

## PACKED admin (admin.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package admin;

import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.JTable;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.JTableHeader;
import javax.swing.table.TableCellRenderer;
import javax.swing.table.TableColumn;
import spkbeasiswafmadmnsaw.koneksi;
import spkbeasiswafmadmnsaw.tabel_header_render_tengah;
import spkbeasiswafmadmnsaw.tabel_isi_render_tengah;

/**
 *
 * @author dxdiaxz7z
 */
public class admin extends javax.swing.JFrame {

    koneksi k;
    TableColumn column;
    public TableCellRenderer tengah = new
tabel_isi_render_tengah();
    JTable table = new JTable();
    JTableHeader header = table.getTableHeader();

    /**
     * Creates new form admin
     */
    public admin() {
        initComponents();
        setLocationRelativeTo(null);

        k = new koneksi();
        k.koneksi();

        // set rdo cari default
        rdoNama.setSelected(true);

        // menampilkan tabel data user default (semua user)
        sql = "SELECT
id_user,nip,nama,agama,kelamin,tempat_lahir,DATE_FORMAT(tgl_lahir,
'%d-%m-%Y') AS tgl_lahir,keterangan FROM user";
        this.TampilkanTabel();
    }
    // fungsi menampilkan tabel data user - mulai
    String sql = ""; // query yang di eksekusi
    Object[][] list;
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    Object[] header_daftar_user = {"ID User", "NIP", "Nama",
    "Agama", "Jenis Kelamin", "Tempat Lahir", "Tanggal Lahir",
    "Keterangan"};

    Object[][] getList() {
        try {
            k.st = k.conn.createStatement();
            k.rs = k.st.executeQuery(sql);

            k.rs.last();
            int rows = k.rs.getRow();
            k.rs.beforeFirst();
            list = new Object[rows][8];
            for (int i = 0; i < rows; i++) {
                k.rs.next();
                list[i][0] = k.rs.getString(1);
                list[i][1] = k.rs.getString(2);
                list[i][2] = k.rs.getString(3);
                list[i][3] = k.rs.getString(4);
                list[i][4] = k.rs.getString(5);
                list[i][5] = k.rs.getString(6);
                list[i][6] = k.rs.getString(7);
                list[i][7] = k.rs.getString(8);
            }
            k.st.close();
            k.rs.close();
        } catch (SQLException exception) {

Logger.getLogger(admin.class.getName()).log(Level.SEVERE, null,
exception);
        }
        return list;
    }

    final void TampilkanTabel() {
        DefaultTableModel tableModel = new
DefaultTableModel(getList(), header_daftar_user);
tblDaftarDataUser.setModel(tableModel);
// seting lebar
column = tblDaftarDataUser.getColumnModel().getColumn(0);
column.setPreferredWidth(15);
column = tblDaftarDataUser.getColumnModel().getColumn(1);
column.setPreferredWidth(85);
column = tblDaftarDataUser.getColumnModel().getColumn(2);
column.setPreferredWidth(120);
column = tblDaftarDataUser.getColumnModel().getColumn(3);
column.setPreferredWidth(15);
column = tblDaftarDataUser.getColumnModel().getColumn(4);
column.setPreferredWidth(35);
column = tblDaftarDataUser.getColumnModel().getColumn(5);
column.setPreferredWidth(35);
column = tblDaftarDataUser.getColumnModel().getColumn(6);
column.setPreferredWidth(35);
column = tblDaftarDataUser.getColumnModel().getColumn(7);
column.setPreferredWidth(20);
// Seting rata tengah

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        header.setDefaultRenderer(new
tabel_header_render_tengah(tblDaftarDataUser));

tblDaftarDataUser.getColumnModel().getColumn(0).setCellRenderer(te
ngah);

tblDaftarDataUser.getColumnModel().getColumn(1).setCellRenderer(te
ngah);

tblDaftarDataUser.getColumnModel().getColumn(3).setCellRenderer(te
ngah);

tblDaftarDataUser.getColumnModel().getColumn(4).setCellRenderer(te
ngah);

tblDaftarDataUser.getColumnModel().getColumn(6).setCellRenderer(te
ngah);

tblDaftarDataUser.getColumnModel().getColumn(7).setCellRenderer(te
ngah);
    }
    // fungsi menampilkan tabel data user - selesai

    /**
     * This method is called from within the constructor to
initialize the form.
     * WARNING: Do NOT modify this code. The content of this
method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated
Code">
    private void initComponents() {

        rdgCari = new javax.swing.ButtonGroup();
        jPanel6 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        lblNamaAdmin = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
        jPanel12 = new javax.swing.JPanel();
        jPanel13 = new javax.swing.JPanel();
        txtCariUser = new javax.swing.JTextField();
        btnCariUser = new javax.swing.JButton();
        jPanel14 = new javax.swing.JPanel();
        rdoNama = new javax.swing.JRadioButton();
        rdoNip = new javax.swing.JRadioButton();
        rdoIdUser = new javax.swing.JRadioButton();
        btnPerbaharuiTabel = new javax.swing.JButton();
        jPanel15 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        tblDaftarDataUser = new javax.swing.JTable();
        jPanel17 = new javax.swing.JPanel();
        jLabel3 = new javax.swing.JLabel();
        txtEditIdUser = new javax.swing.JTextField();
        btnSuntingUser = new javax.swing.JButton();

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jSeparator1 = new javax.swing.JSeparator();
btnTambahUser = new javax.swing.JButton();
jSeparator2 = new javax.swing.JSeparator();
jPanel21 = new javax.swing.JPanel();
btnBilanganFuzzy = new javax.swing.JButton();
btnBobotKriteria = new javax.swing.JButton();
btnTahunAjaran = new javax.swing.JButton();
jMenuBar1 = new javax.swing.JMenuBar();
jmAdmin = new javax.swing.JMenu();
jmiProfileAdmin = new javax.swing.JMenuItem();
jmiGantiPassword = new javax.swing.JMenuItem();
jmCetak = new javax.swing.JMenu();
jmiCetakDataFuzzy = new javax.swing.JMenuItem();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE
);
setTitle("SPK Penerimaan Beasiswa SMAN 1 PLERET");
addWindowListener(new java.awt.event.WindowAdapter() {
    public void windowActivated(java.awt.event.WindowEvent
evt) {
        formWindowActivated(evt);
    }
});

jPanel6.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jLabel2.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("ADMIN");

lblNamaAdmin.setText("Admin :");

javax.swing.GroupLayout jPanel6Layout = new
javax.swing.GroupLayout(jPanel6);
jPanel6.setLayout(jPanel6Layout);
jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addGroup(jPanel6Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(lblNamaAdmin,
javax.swing.GroupLayout.PREFERRED_SIZE, 223,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

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.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jLabel11,
javax.swing.GroupLayout.PREFERRED_SIZE, 223,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())
    );
jPanel6Layout.setVerticalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jLabel11,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(lblNamaAdmin,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

jPanel12.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jPanel13.setBorder(javax.swing.BorderFactory.createTitledBorder("C
ari User"));

txtCariUser.setHorizontalAlignment(javax.swing.JTextField.CENTER);

    btnCariUser.setText("Cari");
    btnCariUser.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnCariUserActionPerformed(evt);
        }
    });

jPanel14.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(204, 204, 204)));

    rdgCari.add(rdoNama);
    rdoNama.setText("Nama");

    rdgCari.add(rdoNip);
    rdoNip.setText("NIP");
    rdoNip.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {

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        rdoNipActionPerformed(evt);
    }
});

rdgCari.add(rdoIdUser);
rdoIdUser.setText("Id User");
rdoIdUser.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        rdoIdUserActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel14Layout = new
javax.swing.GroupLayout(jPanel14);
jPanel14.setLayout(jPanel14Layout);
jPanel14Layout.setHorizontalGroup(

jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
    .addGroup(jPanel14Layout.createSequentialGroup()
        .addComponent(rdoNama)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(rdoIdUser)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(rdoNip)
        .addGap(82, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
jPanel14Layout.setVerticalGroup(

jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
    .addGroup(jPanel14Layout.createSequentialGroup()
        .addComponent(rdoNama,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(rdoIdUser,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(rdoNip,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    btnPerbaharuiTabel.setText("Perbaharui Tabel");
    btnPerbaharuiTabel.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnPerbaharuiTabelActionPerformed(evt);
    }
});

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    });

    javax.swing.GroupLayout jPanel13Layout = new
javax.swing.GroupLayout(jPanel13);
    jPanel13.setLayout(jPanel13Layout);
    jPanel13Layout.setHorizontalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel13Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jPanel14,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(txtCariUser)

            .addGap(10, 10, 10)
            .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addComponent(btnPerbaharuiTabel,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(btnCariUser,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGap(10, 10, 10)
        );
    jPanel13Layout.setVerticalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel13Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txtCariUser,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(btnCariUser))

            .addGap(10, 10, 10)
            .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel14,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            );

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        .addComponent(btnPerbaharuiTabel,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addContainerGap()
    );

jPanel15.setBorder(javax.swing.BorderFactory.createTitledBorder(
nu
ll, "Daftar Data User", javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION));

tblDaftarDataUser.setModel(new
javax.swing.table.DefaultTableModel(
    new Object [][] {

        },
    new String [] {

        }
));

tblDaftarDataUser.getTableHeader().setReorderingAllowed(false);
tblDaftarDataUser.addMouseListener(new
java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent
evt) {
        tblDaftarDataUserMouseClicked(evt);
    }
});
jScrollPane1.setViewportView(tblDaftarDataUser);

javax.swing.GroupLayout jPanel15Layout = new
javax.swing.GroupLayout(jPanel15);
jPanel15.setLayout(jPanel15Layout);
jPanel15Layout.setHorizontalGroup(

jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
    .addComponent(jScrollPane1,
javax.swing.GroupLayout.DEFAULT_SIZE, 796, Short.MAX_VALUE)
);
jPanel15Layout.setVerticalGroup(

jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
    .addComponent(jScrollPane1,
javax.swing.GroupLayout.DEFAULT_SIZE, 173, Short.MAX_VALUE)
);

jPanel17.setBorder(javax.swing.BorderFactory.createTitledBorder("T
ambah & Sunting User"));

jLabel3.setText("Id User");

```



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txtEditIdUser.setHorizontalAlignment (javax.swing.JTextField.CENTER
);
    txtEditIdUser.addKeyListener (new
java.awt.event.KeyAdapter () {
        public void keyTyped (java.awt.event.KeyEvent evt) {
            txtEditIdUserKeyTyped (evt);
        }
    });

    btnSuntingUser.setText ("Sunting");
    btnSuntingUser.addActionListener (new
java.awt.event.ActionListener () {
        public void actionPerformed (java.awt.event.ActionEvent
evt) {
            btnSuntingUserActionPerformed (evt);
        }
    });

    btnTambahUser.setText ("Tambah User");
    btnTambahUser.addActionListener (new
java.awt.event.ActionListener () {
        public void actionPerformed (java.awt.event.ActionEvent
evt) {
            btnTambahUserActionPerformed (evt);
        }
    });

    javax.swing.GroupLayout jPanel17Layout = new
javax.swing.GroupLayout (jPanel17);
    jPanel17.setLayout (jPanel17Layout);
    jPanel17Layout.setHorizontalGroup (

jPanel17Layout.createParallelGroup (javax.swing.GroupLayout.Alignme
nt.LEADING)
        .addGroup (jPanel17Layout.createSequentialGroup ()
            .addComponent (jLabel1)
            .addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
            .addComponent (jLabel2)
            .addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
            .addComponent (jLabel3)
            .addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
            .addComponent (txtEditIdUser,
javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.
RELATED)
            .addComponent (btnSuntingUser))

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.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
jPanel17Layout.setVerticalGroup(

jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
    .addGroup(jPanel17Layout.createSequentialGroup())
        .addComponent(btnTambahUser)
        .addGap(9, 9, 9)
        .addComponent(jSeparator1,
javax.swing.GroupLayout.PREFERRED_SIZE, 2,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel17Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
    .addComponent(btnSuntingUser)
    .addComponent(txtEditIdUser,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel3))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
    .addComponent(jSeparator2,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
    .addContainerGap())
);

jPanel21.setBorder(javax.swing.BorderFactory.createTitledBorder("F
uzzy, Bobot & Tahun Ajaran"));

    btnBilanganFuzzy.setText("Bilangan Fuzzy");
    btnBilanganFuzzy.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnBilanganFuzzyActionPerformed(evt);
        }
    });

    btnBobotKriteria.setText("Bobot Kriteria");
    btnBobotKriteria.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnBobotKriteriaActionPerformed(evt);
        }
    });

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        btnTahunAjaran.setText("Tahun Ajaran");
        btnTahunAjaran.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnTahunAjaranActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel21Layout = new
javax.swing.GroupLayout(jPanel21);
        jPanel21.setLayout(jPanel21Layout);
        jPanel21Layout.setHorizontalGroup(

jPanel21Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
            .addGroup(jPanel21Layout.createSequentialGroup()
                .add(jPanel21Layout.createParallelGroup()
                    .addContainerGap()

.addGroup(jPanel21Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.TRAILING, false)
                        .addComponent(btnTahunAjaran,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(btnBilanganFuzzy,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 160, Short.MAX_VALUE)
                        .addComponent(btnBobotKriteria,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
                .addComponent(btnTahunAjaran)
            );
        jPanel21Layout.setVerticalGroup(

jPanel21Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
            .addGroup(jPanel21Layout.createSequentialGroup()
                .add(jPanel21Layout.createParallelGroup()
                    .addContainerGap()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                        .addComponent(btnBobotKriteria)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                        .addComponent(btnTahunAjaran))
                .addComponent(btnBilanganFuzzy)
            );

        javax.swing.GroupLayout jPanel12Layout = new
javax.swing.GroupLayout(jPanel12);
        jPanel12.setLayout(jPanel12Layout);
        jPanel12Layout.setHorizontalGroup(

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jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel15,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addGroup(jPanel12Layout.createSequentialGroup()
        .addComponent(jPanel17,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel13,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel21,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    );
jPanel12Layout.setVerticalGroup(

jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel12Layout.createSequentialGroup()

.addGroup(jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addComponent(jPanel13,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel21,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel17,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel15,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

jmAdmin.setText("Admin");

jmiProfileAdmin.setText("Profile Admin");

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        jmiProfileAdmin.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                jmiProfileAdminActionPerformed(evt);
            }
        });
jmAdmin.add(jmiProfileAdmin);

        jmiGantiPassword.setText("Ganti Password");
        jmiGantiPassword.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                jmiGantiPasswordActionPerformed(evt);
            }
        });
jmAdmin.add(jmiGantiPassword);

        jmMenuBar1.add(jmAdmin);

        jmCetak.setText("Cetak");

        jmiCetakDataFuzzy.setText("Cetak Data Asumsi Bilangan
Fuzzy");
        jmiCetakDataFuzzy.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                jmiCetakDataFuzzyActionPerformed(evt);
            }
        });
jmCetak.add(jmiCetakDataFuzzy);

        jmMenuBar1.add(jmCetak);

        setJMenuBar(jmMenuBar1);

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel6,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jPanel12,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

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        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel6,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

            .addComponent(jPanel12,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        pack();
    }// </editor-fold>

    private void formWindowActivated(java.awt.event.WindowEvent
    evt) {
        // TODO add your handling code here:
        // set nama session
        lblNamaAdmin.setText("Admin : " + k.getNamaSession());
    }

    private void
    btnCariUserActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if (txtCariUser.getText().isEmpty()) {
            JOptionPane.showMessageDialog(this, "Kolom isian tidak
            boleh kosong");
            txtCariUser.requestFocusInWindow();
        } else {
            String where;
            String cari = txtCariUser.getText();

            if (rdoNama.isSelected()) {
                where = "where nama like '%" + cari + "%'";
            } else if (rdoIdUser.isSelected()) {
                where = "where id_user like '%" + cari + "%'";
            } else if (rdoNip.isSelected()) {
                where = "where nip like '%" + cari + "%'";
            } else {
                where = "";
            }

            sql = "SELECT
            id_user,nip,nama,agama,kelamin,tempat_lahir,DATE_FORMAT(tgl_lahir,
            '%d-%m-%Y') AS tgl_lahir,keterangan FROM user " + where + ";
            this.TampilkanTabel();
        }
    }

    private void rdoNipActionPerformed(java.awt.event.ActionEvent
    evt) {
        // TODO add your handling code here:
    }

```

```

        private void
rdoIdUserActionPerformed(java.awt.event.ActionEvent evt) {
            // TODO add your handling code here:
        }

        private void txtEditIdUserKeyTyped(java.awt.event.KeyEvent
evt) {
            // TODO add your handling code here:
            if (txtEditIdUser.getText().length() >= 4) {
                evt.consume();
            }
            if (!Character.isDigit(evt.getKeyChar())) {
                evt.consume();
            }
        }

        private void
btnSuntingUserActionPerformed(java.awt.event.ActionEvent evt) {
            // TODO add your handling code here:
            if (txtEditIdUser.getText().isEmpty()) {
                JOptionPane.showMessageDialog(this, "Id User tidak
boleh kosong");
                txtEditIdUser.requestFocusInWindow();
            } else {
                try {
                    String sql_sunting = "select id_user from user
where id_user=" + txtEditIdUser.getText() + " ";
                    k.st = k.conn.createStatement();
                    k.rs = k.st.executeQuery(sql_sunting);
                    String coba = "";
                    while (k.rs.next()) {
                        coba = k.rs.getString("id_user");
                    }
                    if (coba.isEmpty()) {
                        JOptionPane.showMessageDialog(this, "Data
tidak valid");
                        txtEditIdUser.setText(null);
                    } else {
                        k.id_edit = txtEditIdUser.getText();
                        admin_user_edit dialog = new
admin_user_edit(new javax.swing.JFrame(), true);
                        dialog.setVisible(true);
                    }
                    k.st.close();
                    k.rs.close();
                } catch (SQLException ex) {
                }
            }
        }

        private void
btnTambahUserActionPerformed(java.awt.event.ActionEvent evt) {
            // TODO add your handling code here:
            admin_user_tambah dialog = new admin_user_tambah(new
javax.swing.JFrame(), true);
            dialog.setVisible(true);
        }

```

```

    }

    private void
    btnBilanganFuzzyActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        admin_fuzzy dialog = new admin_fuzzy(new
    javax.swing.JFrame(), true);
        dialog.setVisible(true);
    }

    private void
    btnBobotKriteriaActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        admin_bobot dialog = new admin_bobot(new
    javax.swing.JFrame(), true);
        dialog.setVisible(true);
    }

    private void
    btnTahunAjaranActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        admin_tahun_ajaran dialog = new admin_tahun_ajaran(new
    javax.swing.JFrame(), true);
        dialog.setVisible(true);
    }

    private void
    tblDaftarDataUserMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        int row = tblDaftarDataUser.getSelectedRow();
        txtEditIdUser.setText(tblDaftarDataUser.getValueAt(row,
    0).toString());
    }

    private void
    btnPerbaharuiTabelActionPerformed(java.awt.event.ActionEvent evt)
    {
        // TODO add your handling code here:
        // menampilkan tabel data user default (semua user)
        sql = "SELECT
    id_user,nip,nama,agama,kelamin,tempat_lahir,DATE_FORMAT(tgl_lahir,
    '%d-%m-%Y') AS tgl_lahir,keterangan FROM user";
        this.TampilkanTabel();
    }

    private void
    jmiProfileAdminActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        admin_admin_profile dialog = new admin_admin_profile(new
    javax.swing.JFrame(), true);
        dialog.setVisible(true);
    }

    private void
    jmiGantiPasswordActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:

```



```

        admin_admin_profile_gantipw dialog = new
admin_admin_profile_gantipw(new javax.swing.JFrame(), true);
        dialog.setVisible(true);
    }

    private void
jmiCetakDataFuzzyActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        admin_tahun_ajaran_pilih dialog = new
admin_tahun_ajaran_pilih(new javax.swing.JFrame(), true);
        dialog.setVisible(true);
    }

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(admin.class.getName()).log(java
.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(admin.class.getName()).log(java
.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(admin.class.getName()).log(java
.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(admin.class.getName()).log(java
.util.logging.Level.SEVERE, null, ex);
    }
}
//</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {

```

```

        public void run() {
            new admin().setVisible(true);
        }
    });
}
// Variables declaration - do not modify
private javax.swing.JButton btnBilanganFuzzy;
private javax.swing.JButton btnBobotKriteria;
private javax.swing.JButton btnCariUser;
private javax.swing.JButton btnPerbaharuiTabel;
private javax.swing.JButton btnSuntingUser;
private javax.swing.JButton btnTahunAjaran;
private javax.swing.JButton btnTambahUser;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JMenuBar jMenuBar1;
private javax.swing.JPanel jPanel12;
private javax.swing.JPanel jPanel13;
private javax.swing.JPanel jPanel14;
private javax.swing.JPanel jPanel15;
private javax.swing.JPanel jPanel17;
private javax.swing.JPanel jPanel21;
private javax.swing.JPanel jPanel6;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JSeparator jSeparator2;
private javax.swing.JMenu jmAdmin;
private javax.swing.JMenu jmCetak;
private javax.swing.JMenuItem jmiCetakDataFuzzy;
private javax.swing.JMenuItem jmiGantiPassword;
private javax.swing.JMenuItem jmiProfileAdmin;
private javax.swing.JLabel lblNamaAdmin;
private javax.swing.ButtonGroup rdgCari;
private javax.swing.JRadioButton rdoIdUser;
private javax.swing.JRadioButton rdoNama;
private javax.swing.JRadioButton rdoNip;
private javax.swing.JTable tblDaftarDataUser;
private javax.swing.JTextField txtCariUser;
private javax.swing.JTextField txtEditIdUser;
// End of variables declaration
}

```

## PACKED admin (admin\_admin\_profile.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package admin;

import java.awt.Color;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import spkbeasiswafmadmnsaw.koneksi;

/**
 *
 * @author dxdiarz7z
 */
public class admin_admin_profile extends javax.swing.JDialog {

    koneksi k;
    String testBtnSunting = "0";

    /**
     * Creates new form admin_admin_profile
     */
    public admin_admin_profile(java.awt.Frame parent, boolean
modal) {
        super(parent, modal);
        initComponents();
        setLocationRelativeTo(null);

        k = new koneksi();
        k.koneksi();

        rdoLaki2.setSelected(true);
        this.tampilkanDataAdmin();
    }

    void refresh() {
        txtUsername.setText(null);
        txtNip.setText(null);
        txtNama.setText(null);
        txtNoIdentitas.setText(null);
        cboAgama.setSelectedIndex(0);
        rdoLaki2.setSelected(true);
        txtTempatLahir.setText(null);
        cboHari.setSelectedIndex(0);
        cboBulan.setSelectedIndex(0);
        cboTahun.setSelectedIndex(0);
        txtAlamat.setText(null);
        txtTglRegister.setText(null);
        testBtnSunting = "0";
    }
}
```

```

void aktif() {
    //txtUsername.setEditable(true);
    //txtUsername.setBackground(Color.white);
    txtNip.setEditable(true);
    txtNip.setBackground(Color.white);
    txtNama.setEditable(true);
    txtNama.setBackground(Color.white);
    txtNoIdentitas.setEditable(true);
    txtNoIdentitas.setBackground(Color.white);
    cboAgama.setEnabled(true);
    rdoLaki2.setEnabled(true);
    rdoPerempuan.setEnabled(true);
    txtTempatLahir.setEditable(true);
    txtTempatLahir.setBackground(Color.white);
    cboHari.setEnabled(true);
    cboBulan.setEnabled(true);
    cboTahun.setEnabled(true);
    txtAlamat.setEditable(true);
    txtAlamat.setBackground(Color.white);
}

void nonaktif() {
    //txtUsername.setEditable(false);
    //txtUsername.setBackground(Color.lightGray);
    txtNip.setEditable(false);
    txtNip.setBackground(Color.lightGray);
    txtNama.setEditable(false);
    txtNama.setBackground(Color.lightGray);
    txtNoIdentitas.setEditable(false);
    txtNoIdentitas.setBackground(Color.lightGray);
    cboAgama.setEnabled(false);
    rdoLaki2.setEnabled(false);
    rdoPerempuan.setEnabled(false);
    txtTempatLahir.setEditable(false);
    txtTempatLahir.setBackground(Color.lightGray);
    cboHari.setEnabled(false);
    cboBulan.setEnabled(false);
    cboTahun.setEnabled(false);
    txtAlamat.setEditable(false);
    txtAlamat.setBackground(Color.lightGray);
}

boolean check() {
    if (!txtUsername.getText().isEmpty()
        && !txtNip.getText().isEmpty()
        && !txtNama.getText().isEmpty()
        && !txtNoIdentitas.getText().isEmpty()
        && !txtTempatLahir.getText().isEmpty()
        && !txtAlamat.getText().isEmpty()) {
        return true;
    } else {
        return false;
    }
}

```

```

void focus() {
    if (txtUsername.getText().isEmpty()) {
        txtUsername.requestFocusInWindow();
    } else if (txtNip.getText().isEmpty()) {
        txtNip.requestFocusInWindow();
    } else if (txtNama.getText().isEmpty()) {
        txtNama.requestFocusInWindow();
    } else if (txtNoIdentitas.getText().isEmpty()) {
        txtNoIdentitas.requestFocusInWindow();
    } else if (txtTempatLahir.getText().isEmpty()) {
        txtTempatLahir.requestFocusInWindow();
    } else if (txtAlamat.getText().isEmpty()) {
        txtAlamat.requestFocusInWindow();
    }
}

void tampilkanDataAdmin() {
    try {
        String id_admin = k.getIdSession();
        String sql = "SELECT nip, username, password, nama,
alamat, no_identitas, tempat_lahir, tgl_lahir, agama, tgl_reg,
kelamin "
                + "FROM admin where id_admin='" + id_admin +
""";

        k.st = k.conn.createStatement();
        k.rs = k.st.executeQuery(sql);

        String kelamin = "";
        String tgl_lahir = "";
        while (k.rs.next()) {
            txtUsername.setText(k.rs.getString("username"));
            txtNip.setText(k.rs.getString("nip"));
            txtNama.setText(k.rs.getString("nama"));
            txtNama.setCaretPosition(0);

            txtNoIdentitas.setText(k.rs.getString("no_identitas"));
            cboAgama.setSelectedItem(k.rs.getString("agama"));
            kelamin = (k.rs.getString("kelamin"));

            txtTempatLahir.setText(k.rs.getString("tempat_lahir"));
            tgl_lahir = (k.rs.getString("tgl_lahir"));
            txtAlamat.setText(k.rs.getString("alamat"));
            txtAlamat.setCaretPosition(0);
            k.BalikanTglKeJava(k.rs.getString("tgl_reg"));
            txtTglRegister.setText(k.getBalikanTglKeJava());
        }

        if (txtNama.getText().isEmpty()) {
            //JOptionPane.showMessageDialog(this, "Data tidak
valid");
            this.refresh();
        } else {
            if (kelamin.compareTo("Laki-Laki") == 0) {
                rdoLaki2.setSelected(true);
            } else if (kelamin.compareTo("Perempuan") == 0) {
                rdoPerempuan.setSelected(true);
            }
        }
    }
}

```

```

        }
        cboTahun.setSelectedItem(tgl_lahir.substring(0,
4));
        cboBulan.setSelectedItem(tgl_lahir.substring(5,
7));
        cboHari.setSelectedItem(tgl_lahir.substring(8,
10));
    }
    k.st.close();
    k.rs.close();
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(this, "Gagal Check");

Logger.getLogger(admin_admin_profile.class.getName()).log(Level.SEVERE,
null, ex);
}
}

/**
 * This method is called from within the constructor to
initialize the form.
 * WARNING: Do NOT modify this code. The content of this
method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated
Code">
private void initComponents() {

    rdgKelamin = new javax.swing.ButtonGroup();
    jPanel6 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    jPanel4 = new javax.swing.JPanel();
    jPanel11 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    txtUsername = new javax.swing.JTextField();
    txtNama = new javax.swing.JTextField();
    txtNoIdentitas = new javax.swing.JTextField();
    cboAgama = new javax.swing.JComboBox();
    rdoLaki2 = new javax.swing.JRadioButton();
    rdoPerempuan = new javax.swing.JRadioButton();
    txtNip = new javax.swing.JTextField();
    jLabel11 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jLabel13 = new javax.swing.JLabel();
    txtTglRegister = new javax.swing.JTextField();
    txtTempatLahir = new javax.swing.JTextField();
    jLabel14 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    cboBulan = new javax.swing.JComboBox();
    cboTahun = new javax.swing.JComboBox();
    cboHari = new javax.swing.JComboBox();
    jLabel15 = new javax.swing.JLabel();

```

```

jLabel17 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jScrollPane = new javax.swing.JScrollPane();
txtAlamat = new javax.swing.JTextArea();
jLabel11 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
btnSimpan = new javax.swing.JButton();
btnSunting = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setTitle("Profile Admin");
setResizable(false);
addWindowListener(new java.awt.event.WindowAdapter() {
    public void windowActivated(java.awt.event.WindowEvent
evt) {
        formWindowActivated(evt);
    }
});

jPanel6.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jLabel2.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("PROFILE ADMIN");

javax.swing.GroupLayout jPanel6Layout = new
javax.swing.GroupLayout(jPanel6);
jPanel6.setLayout(jPanel6Layout);
jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
jPanel6Layout.setVerticalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addComponent(jLabel2,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

jPanel4.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

```

```

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Pr
ofile Admin"));

    jLabel4.setText("Username");

    jLabel6.setText("Nama");

    jLabel7.setText("No Identitas");

    txtUsername.setEditable(false);
    txtUsername.setBackground(java.awt.Color.lightGray);
    txtUsername.setMargin(new java.awt.Insets(2, 5, 2, 5));
    txtUsername.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            txtUsernameActionPerformed(evt);
        }
    });
    txtUsername.addKeyListener(new java.awt.event.KeyAdapter()
{
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtUsernameKeyTyped(evt);
        }
    });

    txtNama.setEditable(false);
    txtNama.setBackground(java.awt.Color.lightGray);
    txtNama.setMargin(new java.awt.Insets(2, 5, 2, 5));
    txtNama.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtNamaKeyTyped(evt);
        }
    });

    txtNoIdentitas.setEditable(false);
    txtNoIdentitas.setBackground(java.awt.Color.lightGray);
    txtNoIdentitas.setMargin(new java.awt.Insets(2, 5, 2, 5));
    txtNoIdentitas.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtNoIdentitasKeyTyped(evt);
        }
    });

    cboAgama.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "Islam", "Kristen", "Katholik", "Konghucu", "Hindu",
"Budha" }));
    cboAgama.setEnabled(false);

    rdgKelamin.add(rdoLaki2);
    rdoLaki2.setText("Laki - Laki");
    rdoLaki2.setEnabled(false);

```



```

rdgKelamin.add(rdoPerempuan);
rdoPerempuan.setText("Perempuan");
rdoPerempuan.setEnabled(false);

txtNip.setEditable(false);
txtNip.setBackground(java.awt.Color.lightGray);
txtNip.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtNip.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        txtNipActionPerformed(evt);
    }
});
txtNip.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtNipKeyTyped(evt);
    }
});

jLabel11.setText("NIP");

jLabel8.setText("Agama");

jLabel13.setText("Jenis Kelamin");

txtTglRegister.setEditable(false);
txtTglRegister.setBackground(java.awt.Color.lightGray);

txtTglRegister.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);

txtTempatLahir.setEditable(false);
txtTempatLahir.setBackground(java.awt.Color.lightGray);
txtTempatLahir.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtTempatLahir.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        txtTempatLahirActionPerformed(evt);
    }
});
txtTempatLahir.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtTempatLahirKeyTyped(evt);
    }
});

jLabel14.setText("Tempat Lahir");

jPanel2.setBorder(javax.swing.BorderFactory.createEtchedBorder());

```

```

        cboBulan.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12" }));
        cboBulan.setEnabled(false);

        cboTahun.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "1950", "1951", "1952", "1953", "1954", "1955", "1956",
"1957", "1958", "1959", "1960", "1961", "1962", "1963", "1964",
"1965", "1966", "1967", "1968", "1969", "1970", "1971", "1972",
"1973", "1974", "1975", "1976", "1977", "1978", "1979", "1980",
"1981", "1982", "1983", "1984", "1985", "1986", "1987", "1988",
"1989", "1990", "1991", "1992", "1993", "1994", "1995", "1996",
"1997", "1998", "1999", "2000" }));
        cboTahun.setEnabled(false);

        cboHari.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20",
"21", "22", "23", "24", "25", "26", "27", "28", "29", "30", "31"
}));
        cboHari.setEnabled(false);

jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel15.setText("Hari");

jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel17.setText("Bulan");

jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel18.setText("Tahun");

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(10, 10, 0, true)
                    .addGroup(jPanel2Layout.createParallelGroup(
javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addComponent(jLabel15,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(cboHari, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                )
            )
        );

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING, false)
    .addComponent(jLabel17,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(cboBulan, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING, false)
    .addComponent(jLabel18,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(cboTahun, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );
jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup())
    .addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
    .addComponent(jLabel15)
    .addComponent(jLabel17)
    .addComponent(jLabel18))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(cboHari,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(cboBulan,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(cboTahun,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

jLabel9.setText("Tgl Lahir");

jScrollPane1.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        jScrollPane1KeyTyped(evt);
    }
});

txtAlamat.setEditable(false);
txtAlamat.setBackground(java.awt.Color.lightGray);
txtAlamat.setColumns(20);
txtAlamat.setLineWrap(true);
txtAlamat.setRows(5);
txtAlamat.setAutoScrolls(false);
txtAlamat.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtAlamat.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtAlamatKeyTyped(evt);
    }
});
jScrollPane1.setViewportViewView(txtAlamat);

jLabel11.setText("Alamat");

jLabel10.setText("Tgl Register");

btnSimpan.setText("Simpan");
btnSimpan.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnSimpanActionPerformed(evt);
    }
});

btnSunting.setText("Sunting");
btnSunting.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnSuntingActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(

```

```

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addGroup(jPanell1Layout.createSequentialGroup()
        .addContainerGap()

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING)
    .addComponent(jLabel14)
    .addComponent(jLabel11)
    .addComponent(jLabel16)
    .addComponent(jLabel17)
    .addComponent(jLabel18)
    .addComponent(jLabel13)
    .addComponent(jLabel14)
    .addComponent(jLabel9)
    .addComponent(jLabel11)
    .addComponent(jLabel10))
    .addGap(12, 12, 12)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING)

.addGroup(jPanell1Layout.createSequentialGroup()
    .addComponent(btnSunting)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(btnSimpan)
    .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
    .addComponent(txtNoIdentitas)
    .addComponent(txtNama)
    .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(txtNip)

.addGroup(jPanell1Layout.createSequentialGroup()

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING)
    .addComponent(txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(cboAgama,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanell1Layout.createSequentialGroup()
    .addComponent(rdoLaki2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
    .addComponent(rdoPerempuan)

```

```

                .addComponent(txtTglRegister,
javax.swing.GroupLayout.PREFERRED_SIZE, 83,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtUsername,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(0, 0, Short.MAX_VALUE))
                .addContainerGap())
        );
        jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(txtUsername,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel4))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(txtNip,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel1))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(txtNama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel6))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(txtNoIdentitas,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel7))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(cboAgama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel8))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(rdoLaki2)
        .addComponent(rdoPerempuan)
        .addComponent(jLabel13))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel14))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING, false)
        .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel9,
javax.swing.GroupLayout.PREFERRED_SIZE, 66,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING, false)
        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
        .addComponent(jLabel11,
javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
        .addComponent(txtTglRegister,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel10,
javax.swing.GroupLayout.PREFERRED_SIZE, 14,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
        .addComponent(btnSimpan)
        .addComponent(btnSunting))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

    javax.swing.GroupLayout jPanel4Layout = new
javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);
    jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanell1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );
    jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanell1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
        .addComponent(jPanel4,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```



```

        .addComponent(jPanel6,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel6,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)

            .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addComponent(jPanel4,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))
        );

        pack();
    } // </editor-fold>

    private void
txtUsernameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtUsernameKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtUsername.getText().length() >= 16) {
            evt.consume();
        }
    }

    private void txtNamaKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtNama.getText().length() >= 30) {
            evt.consume();
        }
    }

    private void txtNoIdentitasKeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtNoIdentitas.getText().length() >= 16) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }
}

```



```

        k.st = k.conn.createStatement();
        String sql = "update admin set nip='" +
nip + "', username='" + username + "', nama='" + nama + "',
alamat='" + alamat + "', no_identitas='" + no_identitas + "',
tempat_lahir='" + tempat_lahir + "', tgl_lahir='" + tgl_lahir +
"', agama='" + agama + "', kelamin='" + kelamin + "' where
id_admin='" + k.getIdSession() + "'";
        k.st.execute(sql);
        k.st.close();

        testBtnSunting = "0";
        this.nonaktif();
        JOptionPane.showMessageDialog(this,
"Profile berhasil disunting");
    } else {
        JOptionPane.showMessageDialog(this,
"Profile batal disunting");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data
tidak boleh ada yg kosong");
        this.focus();
    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Profile gagal
disunting");

Logger.getLogger(admin_admin_profile.class.getName()).log(Level.SEVERE, null, ex);
    }
    }

    private void
btnSuntingActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        testBtnSunting = "1";
        this.aktif();
    }

    private void formWindowActivated(java.awt.event.WindowEvent
evt) {
        // TODO add your handling code here:
    }

    private void txtNipKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtNip.getText().length() >= 18) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }
}

```

```

    private void txtTempatLahirKeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtTempatLahir.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void jScrollPaneKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
    }

    private void txtAlamatKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        <editor-fold defaultstate="collapsed" desc=" Look and
        feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available,
        stay with the default look and feel.
         * For details see
        http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/pla
        f.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
            javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(admin_admin_profile.class.getNa
            me()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(admin_admin_profile.class.getNa
            me()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(admin_admin_profile.class.getNa
            me()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(admin_admin_profile.class.getNa
            me()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        </editor-fold>
    }

```

```

        /* Create and display the dialog */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                admin_admin_profile dialog = new
admin_admin_profile(new javax.swing.JFrame(), true);
                dialog.addWindowListener(new
java.awt.event.WindowAdapter() {
                    @Override
                    public void
windowClosing(java.awt.event.WindowEvent e) {
                        System.exit(0);
                    }
                });
                dialog.setVisible(true);
            }
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JButton btnSimpan;
    private javax.swing.JButton btnSunting;
    private javax.swing.JComboBox cboAgama;
    private javax.swing.JComboBox cboBulan;
    private javax.swing.JComboBox cboHari;
    private javax.swing.JComboBox cboTahun;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel13;
    private javax.swing.JLabel jLabel14;
    private javax.swing.JLabel jLabel15;
    private javax.swing.JLabel jLabel17;
    private javax.swing.JLabel jLabel18;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel4;
    private javax.swing.JPanel jPanel6;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.ButtonGroup rdgKelamin;
    private javax.swing.JRadioButton rdoLaki2;
    private javax.swing.JRadioButton rdoPerempuan;
    private javax.swing.JTextArea txtAlamat;
    private javax.swing.JTextField txtNama;
    private javax.swing.JTextField txtNip;
    private javax.swing.JTextField txtNoIdentitas;
    private javax.swing.JTextField txtTempatLahir;
    private javax.swing.JTextField txtTglRegister;
    private javax.swing.JTextField txtUsername;
    // End of variables declaration
}

```

## PACKED admin (admin\_admin\_profile\_gantipw.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package admin;

import java.sql.SQLException;
import javax.swing.JOptionPane;
import spkbeasiswafmadmnsaw.koneksi;

/**
 *
 * @author dxdiarz7z
 */
public class admin_admin_profile_gantipw extends
javax.swing.JDialog {

    koneksi k;

    /**
     * Creates new form admin_admin_profile_gantipw
     */
    public admin_admin_profile_gantipw(java.awt.Frame parent,
boolean modal) {
        super(parent, modal);
        initComponents();
        setLocationRelativeTo(null);

        k = new koneksi();
        k.koneksi();
    }

    boolean check() {
        if (!txtPassLama.getText().isEmpty()
            && !txtPassBaru1.getText().isEmpty()
            && !txtPassBaru2.getText().isEmpty()) {
            return true;
        } else {
            return false;
        }
    }

    void focus() {
        if (txtPassLama.getText().isEmpty()) {
            txtPassLama.requestFocusInWindow();
        } else if (txtPassBaru1.getText().isEmpty()) {
            txtPassBaru1.requestFocusInWindow();
        } else if (txtPassBaru2.getText().isEmpty()) {
            txtPassBaru2.requestFocusInWindow();
        }
    }
}

/**
```

```

        * This method is called from within the constructor to
        initialize the form.
        * WARNING: Do NOT modify this code. The content of this
        method is always
        * regenerated by the Form Editor.
        */
        @SuppressWarnings("unchecked")
        // <editor-fold defaultstate="collapsed" desc="Generated
Code">
        private void initComponents() {

            jPanel2 = new javax.swing.JPanel();
            jLabel1 = new javax.swing.JLabel();
            jLabel2 = new javax.swing.JLabel();
            jLabel3 = new javax.swing.JLabel();
            txtPassLama = new javax.swing.JTextField();
            txtPassBaru1 = new javax.swing.JTextField();
            txtPassBaru2 = new javax.swing.JTextField();
            jSeparator1 = new javax.swing.JSeparator();
            btnGantiPassword = new javax.swing.JButton();

            setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CL
OSE);
            setTitle("Ganti Password");
            setResizable(false);

            jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Ga
nti Password"));

            jLabel1.setText("Password Lama");

            jLabel2.setText("Pasword Baru");

            jLabel3.setText("Ulangi Password");

            txtPassLama.setMargin(new java.awt.Insets(2, 5, 2, 5));
            txtPassLama.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPassLamaKeyTyped(evt);
            }
        });

            txtPassBaru1.setMargin(new java.awt.Insets(2, 5, 2, 5));
            txtPassBaru1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPassBaru1KeyTyped(evt);
            }
        });

            txtPassBaru2.setMargin(new java.awt.Insets(2, 5, 2, 5));
            txtPassBaru2.addKeyListener(new
java.awt.event.KeyAdapter() {

```

```

        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtPassBaru2KeyTyped(evt);
        }
    });

    btnGantiPassword.setText("Ganti Password");
    btnGantiPassword.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnGantiPasswordActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGroup(jPanel2Layout.createParallelGroup()
                .addComponent(jLabel1,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel2,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel3,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addContainerGap())
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.Layou
tStyle.ComponentPlacement.UNRELA
TED)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(jSeparator1,
javax.swing.GroupLayout.Alignment.TRAILING)
                .addComponent(txtPassLama)
                .addComponent(txtPassBaru1,
javax.swing.GroupLayout.DEFAULT_SIZE, 154, Short.MAX_VALUE)
                .addComponent(txtPassBaru2,
javax.swing.GroupLayout.DEFAULT_SIZE, 154, Short.MAX_VALUE)
                .addComponent(btnGantiPassword,
javax.swing.GroupLayout.Alignment.TRAILING))
            .addContainerGap())
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(jLabel4,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
    );

```



```

        );
        jPanel2Layout.setVerticalGroup (

jPanel2Layout.createParallelGroup (javax.swing.GroupLayout.Alignmen
t.LEADING)
                .addGroup (jPanel2Layout.createSequentialGroup ())

                .addGroup (jPanel2Layout.createParallelGroup (javax.swing.GroupLayout.Alignm
ent.BASELINE)
                        .addComponent (jLabel1)
                        .addComponent (txtPassLama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap (8, 8, 8)
                        .addComponent (jSeparator1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addGroup (jPanel2Layout.createParallelGroup (javax.swing.GroupLayout.Alignm
ent.BASELINE)
                        .addComponent (jLabel2)
                        .addComponent (txtPassBarul,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

                .addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addGroup (jPanel2Layout.createParallelGroup (javax.swing.GroupLayout.Alignm
ent.BASELINE)
                        .addComponent (jLabel3)
                        .addComponent (txtPassBaru2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

                .addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                        .addComponent (btnGantiPassword)

                .addContainerGap (javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout (getContentPane ());
        getContentPane ().setLayout (layout);
        layout.setHorizontalGroup (

```

```

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel2,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    );
layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel2,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    );

    pack();
} // </editor-fold>

private void txtPassLamaKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtPassLama.getText().length() >= 16) {
        evt.consume();
    }
}

private void txtPassBaru1KeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtPassBaru1.getText().length() >= 16) {
        evt.consume();
    }
}

private void txtPassBaru2KeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtPassBaru2.getText().length() >= 16) {
        evt.consume();
    }
}

private void
btnGantiPasswordActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        if (check()) {
            k.st = k.conn.createStatement();
            String sql1 = "select password from admin where
id_admin=" + k.getIdSession() + "";
            k.rs = k.st.executeQuery(sql1);
            String passdb = "";
            while (k.rs.next()) {

```

```

        passdb = k.rs.getString("password");
    }
    k.rs.close();

    if (txtPassLama.getText().compareTo(passdb) == 0)
    {
        if
        (txtPassBarul.getText().compareTo(txtPassBaru2.getText()) == 0
            && !txtPassBarul.getText().isEmpty()
            && !txtPassBaru2.getText().isEmpty())
        {
            Object[] options = {"Ya", "Tidak"};
            int jwb =
            JOptionPane.showOptionDialog(this,
                "Apakah yakin password " +
                txtPassLama.getText() + " diganti dengan " +
                txtPassBarul.getText() + "",
                "Konfirmasi",
                JOptionPane.YES_OPTION,
                JOptionPane.QUESTION_MESSAGE,
                null,
                options,
                options[0]);
            if (jwb == 1) {
                JOptionPane.showMessageDialog(this,
                "Password batal diganti");
            } else if (jwb == 0) {
                String sql2 = "update admin set
                password='" + txtPassBarul.getText() + "' where id_admin='" +
                k.getIdSession() + "'";
                k.st.execute(sql2);
                JOptionPane.showMessageDialog(this,
                "Password berhasil diganti menjadi " + txtPassBarul.getText() +
                "");
                dispose();
            }
            } else {
                JOptionPane.showMessageDialog(this,
                "Password baru tidak cocok, Silahkan cek lagi");
            }
            } else {
                JOptionPane.showMessageDialog(this, "Password
                lama tidak cocok, Silahkan cek lagi");
                txtPassLama.setText(null);
                this.focus();
            }
            k.st.close();
        } else {
            JOptionPane.showMessageDialog(this, "Data tidak
            boleh ada yg kosong");
            this.focus();
        }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Password gagal
        diganti");
    }
}

```

```

    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(admin_admin_profile_gantipw.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(admin_admin_profile_gantipw.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(admin_admin_profile_gantipw.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(admin_admin_profile_gantipw.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the dialog */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                admin_admin_profile_gantipw dialog = new
                admin_admin_profile_gantipw(new javax.swing.JFrame(), true);
                dialog.addWindowListener(new
                java.awt.event.WindowAdapter() {
                    @Override
                    public void
                    windowClosing(java.awt.event.WindowEvent e) {
                        System.exit(0);
                    }
                });
            }
        });
    }
}

```

```
        dialog.setVisible(true);
    }
});
}
// Variables declaration - do not modify
private javax.swing.JButton btnGantiPassword;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel2;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JTextField txtPassBaru1;
private javax.swing.JTextField txtPassBaru2;
private javax.swing.JTextField txtPassLama;
// End of variables declaration
}
```

## PACKED admin (admin\_bobot.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package admin;

import java.awt.Color;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import spkbeasiswafmadmnsaw.koneksi;

/**
 *
 * @author dxdiaxz7z
 */
public class admin_bobot extends javax.swing.JDialog {

    koneksi k;
    String testBtnSunting = "0";

    // hubungan antar class - mulai
    // inisiasi variable class diagram
    public float c1_bobot = 0;
    public float c2_bobot = 0;
    public float c3_bobot = 0;
    public float c4_bobot = 0;
    public float c5_bobot = 0;

    String sql_c1_bobot = "SELECT nilai from bobot WHERE id_bobot='C1'";
    String sql_c2_bobot = "SELECT nilai from bobot WHERE id_bobot='C2'";
    String sql_c3_bobot = "SELECT nilai from bobot WHERE id_bobot='C3'";
    String sql_c4_bobot = "SELECT nilai from bobot WHERE id_bobot='C4'";
    String sql_c5_bobot = "SELECT nilai from bobot WHERE id_bobot='C5'";

    public void ambil_data_bobot() {
        try {
            k.st = k.conn.createStatement();

            k.rs = k.st.executeQuery(sql_c1_bobot);
            while (k.rs.next()) {
                c1_bobot =
                Float.parseFloat(k.rs.getString("nilai"));
            }
            k.rs = k.st.executeQuery(sql_c2_bobot);
            while (k.rs.next()) {
                c2_bobot =
                Float.parseFloat(k.rs.getString("nilai"));
            }
        }
    }
}
```

```

        }
        k.rs = k.st.executeQuery(sql_c3_bobot);
        while (k.rs.next()) {
            c3_bobot =
Float.parseFloat(k.rs.getString("nilai"));
        }
        k.rs = k.st.executeQuery(sql_c4_bobot);
        while (k.rs.next()) {
            c4_bobot =
Float.parseFloat(k.rs.getString("nilai"));
        }
        k.rs = k.st.executeQuery(sql_c5_bobot);
        while (k.rs.next()) {
            c5_bobot =
Float.parseFloat(k.rs.getString("nilai"));
        }

        k.st.close();
        k.rs.close();
    } catch (SQLException ex) {

Logger.getLogger(admin_bobot.class.getName()).log(Level.SEVERE,
null, ex);
    }
}
// hubungan antar class - selesai

/**
 * Creates new form admin_bobot
 */
public admin_bobot(java.awt.Frame parent, boolean modal) {
    super(parent, modal);
    initComponents();
    setLocationRelativeTo(null);

    k = new koneksi();
    k.koneksi();

    this.tampilkanDataBobot();
}

void aktif() {
    txtNilaiC1.setEditable(true);
    txtNilaiC1.setBackground(Color.white);
    txtNilaiC2.setEditable(true);
    txtNilaiC2.setBackground(Color.white);
    txtNilaiC3.setEditable(true);
    txtNilaiC3.setBackground(Color.white);
    txtNilaiC4.setEditable(true);
    txtNilaiC4.setBackground(Color.white);
    txtNilaiC5.setEditable(true);
    txtNilaiC5.setBackground(Color.white);
    txtBilanganFuzzyC1.setEditable(true);
    txtBilanganFuzzyC1.setBackground(Color.white);
    txtBilanganFuzzyC2.setEditable(true);
    txtBilanganFuzzyC2.setBackground(Color.white);
}

```

```

txtBilanganFuzzyC3.setEditable(true);
txtBilanganFuzzyC3.setBackground(Color.white);
txtBilanganFuzzyC4.setEditable(true);
txtBilanganFuzzyC4.setBackground(Color.white);
txtBilanganFuzzyC5.setEditable(true);
txtBilanganFuzzyC5.setBackground(Color.white);
cboPrioritasC1.setEnabled(true);
cboPrioritasC2.setEnabled(true);
cboPrioritasC3.setEnabled(true);
cboPrioritasC4.setEnabled(true);
cboPrioritasC5.setEnabled(true);
}

void nonaktif() {
txtNilaiC1.setEditable(false);
txtNilaiC1.setBackground(Color.lightGray);
txtNilaiC2.setEditable(false);
txtNilaiC2.setBackground(Color.lightGray);
txtNilaiC3.setEditable(false);
txtNilaiC3.setBackground(Color.lightGray);
txtNilaiC4.setEditable(false);
txtNilaiC4.setBackground(Color.lightGray);
txtNilaiC5.setEditable(false);
txtNilaiC5.setBackground(Color.lightGray);
txtBilanganFuzzyC1.setEditable(false);
txtBilanganFuzzyC1.setBackground(Color.lightGray);
txtBilanganFuzzyC2.setEditable(false);
txtBilanganFuzzyC2.setBackground(Color.lightGray);
txtBilanganFuzzyC3.setEditable(false);
txtBilanganFuzzyC3.setBackground(Color.lightGray);
txtBilanganFuzzyC4.setEditable(false);
txtBilanganFuzzyC4.setBackground(Color.lightGray);
txtBilanganFuzzyC5.setEditable(false);
txtBilanganFuzzyC5.setBackground(Color.lightGray);
cboPrioritasC1.setEnabled(false);
cboPrioritasC2.setEnabled(false);
cboPrioritasC3.setEnabled(false);
cboPrioritasC4.setEnabled(false);
cboPrioritasC5.setEnabled(false);
}

boolean check() {
if (!txtNilaiC1.getText().isEmpty()
    && !txtNilaiC2.getText().isEmpty()
    && !txtNilaiC3.getText().isEmpty()
    && !txtNilaiC4.getText().isEmpty()
    && !txtNilaiC5.getText().isEmpty()
    && !txtBilanganFuzzyC1.getText().isEmpty()
    && !txtBilanganFuzzyC2.getText().isEmpty()
    && !txtBilanganFuzzyC3.getText().isEmpty()
    && !txtBilanganFuzzyC4.getText().isEmpty()
    && !txtBilanganFuzzyC5.getText().isEmpty()) {
return true;
} else {
return false;
}
}

```



```

    }

    void focus() {
        if (txtBilanganFuzzyC1.getText().isEmpty()) {
            txtBilanganFuzzyC1.requestFocusInWindow();
        } else if (txtNilaiC1.getText().isEmpty()) {
            txtNilaiC1.requestFocusInWindow();
        } else if (txtBilanganFuzzyC2.getText().isEmpty()) {
            txtBilanganFuzzyC2.requestFocusInWindow();
        } else if (txtNilaiC2.getText().isEmpty()) {
            txtNilaiC2.requestFocusInWindow();
        } else if (txtBilanganFuzzyC3.getText().isEmpty()) {
            txtBilanganFuzzyC3.requestFocusInWindow();
        } else if (txtNilaiC3.getText().isEmpty()) {
            txtNilaiC3.requestFocusInWindow();
        } else if (txtBilanganFuzzyC4.getText().isEmpty()) {
            txtBilanganFuzzyC4.requestFocusInWindow();
        } else if (txtNilaiC4.getText().isEmpty()) {
            txtNilaiC4.requestFocusInWindow();
        } else if (txtBilanganFuzzyC5.getText().isEmpty()) {
            txtBilanganFuzzyC5.requestFocusInWindow();
        } else if (txtNilaiC5.getText().isEmpty()) {
            txtNilaiC5.requestFocusInWindow();
        }
    }

    final void tampilkanDataBobot() {
        try {
            k.st = k.conn.createStatement();

            String sqlC1 = "SELECT nilai,bilangan_fuzzy,prioritas
FROM bobot where id_bobot='C1'";
            k.rs = k.st.executeQuery(sqlC1);
            while (k.rs.next()) {
                txtNilaiC1.setText(k.rs.getString("nilai"));

                txtBilanganFuzzyC1.setText(k.rs.getString("bilangan_fuzzy"));

                cboPrioritasC1.setSelectedItem(k.rs.getString("prioritas"));
            }

            String sqlC2 = "SELECT nilai,bilangan_fuzzy,prioritas
FROM bobot where id_bobot='C2'";
            k.rs = k.st.executeQuery(sqlC2);
            while (k.rs.next()) {
                txtNilaiC2.setText(k.rs.getString("nilai"));

                txtBilanganFuzzyC2.setText(k.rs.getString("bilangan_fuzzy"));

                cboPrioritasC2.setSelectedItem(k.rs.getString("prioritas"));
            }

            String sqlC3 = "SELECT nilai,bilangan_fuzzy,prioritas
FROM bobot where id_bobot='C3'";
            k.rs = k.st.executeQuery(sqlC3);
            while (k.rs.next()) {

```

```

        txtNilaiC3.setText(k.rs.getString("nilai"));
txtBilanganFuzzyC3.setText(k.rs.getString("bilangan_fuzzy"));
cboPrioritasC3.setSelectedItem(k.rs.getString("prioritas"));
    }

    String sqlC4 = "SELECT nilai,bilangan_fuzzy,prioritas
FROM bobot where id_bobot='C4'";
    k.rs = k.st.executeQuery(sqlC4);
    while (k.rs.next()) {
        txtNilaiC4.setText(k.rs.getString("nilai"));

txtBilanganFuzzyC4.setText(k.rs.getString("bilangan_fuzzy"));
cboPrioritasC4.setSelectedItem(k.rs.getString("prioritas"));
    }

    String sqlC5 = "SELECT nilai,bilangan_fuzzy,prioritas
FROM bobot where id_bobot='C5'";
    k.rs = k.st.executeQuery(sqlC5);
    while (k.rs.next()) {
        txtNilaiC5.setText(k.rs.getString("nilai"));

txtBilanganFuzzyC5.setText(k.rs.getString("bilangan_fuzzy"));
cboPrioritasC5.setSelectedItem(k.rs.getString("prioritas"));
    }

    k.st.close();
    k.rs.close();
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(this, "Gagal Check");

Logger.getLogger(admin_bobot.class.getName()).log(Level.SEVERE,
null, ex);
}
}

/**
 * This method is called from within the constructor to
initialize the form.
 * WARNING: Do NOT modify this code. The content of this
method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated
Code">
private void initComponents() {

    jPanel4 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel23 = new javax.swing.JPanel();
    jLabel61 = new javax.swing.JLabel();
    jScrollPane4 = new javax.swing.JScrollPane();

```

```

txtKeterangan = new javax.swing.JTextArea();
btnSunting = new javax.swing.JButton();
btnSimpan = new javax.swing.JButton();
jPanel19 = new javax.swing.JPanel();
txtKriteriaC1 = new javax.swing.JTextField();
jLabel54 = new javax.swing.JLabel();
jLabel56 = new javax.swing.JLabel();
txtKriteriaC2 = new javax.swing.JTextField();
txtKriteriaC3 = new javax.swing.JTextField();
txtKriteriaC4 = new javax.swing.JTextField();
txtKriteriaC5 = new javax.swing.JTextField();
jLabel65 = new javax.swing.JLabel();
jLabel66 = new javax.swing.JLabel();
jLabel67 = new javax.swing.JLabel();
jLabel68 = new javax.swing.JLabel();
txtBilanganFuzzyC5 = new javax.swing.JTextField();
txtBilanganFuzzyC4 = new javax.swing.JTextField();
txtBilanganFuzzyC1 = new javax.swing.JTextField();
txtNilaiC1 = new javax.swing.JTextField();
txtBilanganFuzzyC2 = new javax.swing.JTextField();
txtNilaiC2 = new javax.swing.JTextField();
txtBilanganFuzzyC3 = new javax.swing.JTextField();
txtNilaiC3 = new javax.swing.JTextField();
txtNilaiC4 = new javax.swing.JTextField();
txtNilaiC5 = new javax.swing.JTextField();
jLabel64 = new javax.swing.JLabel();
jLabel63 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
cboPrioritasC1 = new javax.swing.JComboBox();
cboPrioritasC2 = new javax.swing.JComboBox();
cboPrioritasC3 = new javax.swing.JComboBox();
cboPrioritasC4 = new javax.swing.JComboBox();
cboPrioritasC5 = new javax.swing.JComboBox();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setTitle("Bobot Kriteria");
setResizable(false);

jPanel4.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jLabel1.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("BOBOT KRITERIA");

javax.swing.GroupLayout jPanel4Layout = new
javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(

```

```

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addComponent(jLabel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addComponent(jLabel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

jPanel23.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jLabel61.setText("Keterangan");

txtKeterangan.setEditable(false);
txtKeterangan.setColumns(20);
txtKeterangan.setLineWrap(true);
txtKeterangan.setRows(5);
txtKeterangan.setText("1. Maksimal panjang karakter
Bilangan Fuzzy 20 termasuk spasi\n\n2. Nilai Fuzzy yang digunakan
antara 0.00 sampai dengan 1.00, Gunakan titik (.) sebagai koma");
txtKeterangan.setWrapStyleWord(true);
txtKeterangan.setCaretPosition(0);
jScrollPane4.setViewportView(txtKeterangan);

btnSunting.setText("Sunting");
btnSunting.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnSuntingActionPerformed(evt);
    }
});

btnSimpan.setText("Simpan");
btnSimpan.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnSimpanActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel23Layout = new
javax.swing.GroupLayout(jPanel23);
jPanel23.setLayout(jPanel23Layout);
jPanel23Layout.setHorizontalGroup(

```

```

jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel23Layout.createSequentialGroup()
        .addContainerGap()

        .addGroup(jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jScrollPane4,
                javax.swing.GroupLayout.DEFAULT_SIZE, 190, Short.MAX_VALUE)

            .addGroup(jPanel23Layout.createSequentialGroup()
                .addComponent(jLabel61)
                .addGap(0, 0, Short.MAX_VALUE))

            .addGroup(jPanel23Layout.createSequentialGroup()
                .addComponent(btnSunting)
                .addGap(18, 18, 18)
                .addComponent(btnSimpan,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addContainerGap()
            );
jPanel23Layout.setVerticalGroup(

jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel23Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel61)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jScrollPane4)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(btnSunting,
                javax.swing.GroupLayout.PREFERRED_SIZE, 45,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(btnSimpan,
                javax.swing.GroupLayout.PREFERRED_SIZE, 45,
                javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap()
            );

jPanel19.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

txtKriteriaC1.setEditable(false);
txtKriteriaC1.setBackground(java.awt.Color.lightGray);

```

```

txtKriteriaC1.setHorizontalAlignment (javax.swing.JTextField.CENTER
);
    txtKriteriaC1.setText ("NRR");

jLabel54.setHorizontalAlignment (javax.swing.SwingConstants.CENTER)
;
    jLabel54.setText ("Kriteria");

    jLabel56.setFont (new java.awt.Font ("Tahoma", 1, 18)); //
NOI18N

jLabel56.setHorizontalAlignment (javax.swing.SwingConstants.CENTER)
;
    jLabel56.setText ("=");

    txtKriteriaC2.setEditable (false);
    txtKriteriaC2.setBackground (java.awt.Color.lightGray);

txtKriteriaC2.setHorizontalAlignment (javax.swing.JTextField.CENTER
);
    txtKriteriaC2.setText ("JPO");
    txtKriteriaC2.addActionListener (new
java.awt.event.ActionListener () {
        public void actionPerformed (java.awt.event.ActionEvent
evt) {
            txtKriteriaC2ActionPerformed (evt);
        }
    });

    txtKriteriaC3.setEditable (false);
    txtKriteriaC3.setBackground (java.awt.Color.lightGray);

txtKriteriaC3.setHorizontalAlignment (javax.swing.JTextField.CENTER
);
    txtKriteriaC3.setText ("JTO");

    txtKriteriaC4.setEditable (false);
    txtKriteriaC4.setBackground (java.awt.Color.lightGray);

txtKriteriaC4.setHorizontalAlignment (javax.swing.JTextField.CENTER
);
    txtKriteriaC4.setText ("JTS");

    txtKriteriaC5.setEditable (false);
    txtKriteriaC5.setBackground (java.awt.Color.lightGray);

txtKriteriaC5.setHorizontalAlignment (javax.swing.JTextField.CENTER
);
    txtKriteriaC5.setText ("JKO");

    jLabel65.setFont (new java.awt.Font ("Tahoma", 1, 18)); //
NOI18N

```

```

jLabel65.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel65.setText("=");

    jLabel66.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel66.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel66.setText("=");

    jLabel67.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel67.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel67.setText("=");

    jLabel68.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel68.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel68.setText("=");

    txtBilanganFuzzyC5.setEditable(false);

txtBilanganFuzzyC5.setBackground(java.awt.Color.lightGray);
    txtBilanganFuzzyC5.setMargin(new java.awt.Insets(2, 5, 2,
5));
    txtBilanganFuzzyC5.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtBilanganFuzzyC5KeyTyped(evt);
        }
    });

    txtBilanganFuzzyC4.setEditable(false);

txtBilanganFuzzyC4.setBackground(java.awt.Color.lightGray);
    txtBilanganFuzzyC4.setMargin(new java.awt.Insets(2, 5, 2,
5));
    txtBilanganFuzzyC4.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtBilanganFuzzyC4KeyTyped(evt);
        }
    });

    txtBilanganFuzzyC1.setEditable(false);

txtBilanganFuzzyC1.setBackground(java.awt.Color.lightGray);
    txtBilanganFuzzyC1.setMargin(new java.awt.Insets(2, 5, 2,
5));

```

```

        txtBilanganFuzzyC1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtBilanganFuzzyC1KeyTyped(evt);
            }
        });

        txtNilaiC1.setEditable(false);
        txtNilaiC1.setBackground(java.awt.Color.lightGray);

txtNilaiC1.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtNilaiC1.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNilaiC1KeyTyped(evt);
            }
        });

        txtBilanganFuzzyC2.setEditable(false);

txtBilanganFuzzyC2.setBackground(java.awt.Color.lightGray);
        txtBilanganFuzzyC2.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtBilanganFuzzyC2.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtBilanganFuzzyC2KeyTyped(evt);
            }
        });

        txtNilaiC2.setEditable(false);
        txtNilaiC2.setBackground(java.awt.Color.lightGray);

txtNilaiC2.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtNilaiC2.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNilaiC2KeyTyped(evt);
            }
        });

        txtBilanganFuzzyC3.setEditable(false);

txtBilanganFuzzyC3.setBackground(java.awt.Color.lightGray);
        txtBilanganFuzzyC3.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtBilanganFuzzyC3.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtBilanganFuzzyC3KeyTyped(evt);
            }
        });

        txtNilaiC3.setEditable(false);
        txtNilaiC3.setBackground(java.awt.Color.lightGray);

```



```

txtNilaiC3.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtNilaiC3.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtNilaiC3KeyTyped(evt);
    }
});

txtNilaiC4.setEditable(false);
txtNilaiC4.setBackground(java.awt.Color.lightGray);

txtNilaiC4.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtNilaiC4.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtNilaiC4KeyTyped(evt);
    }
});

txtNilaiC5.setEditable(false);
txtNilaiC5.setBackground(java.awt.Color.lightGray);

txtNilaiC5.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtNilaiC5.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtNilaiC5KeyTyped(evt);
    }
});

jLabel64.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
jLabel64.setText("Bilangan Fuzzy");

jLabel63.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
jLabel63.setText("Nilai");

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("Prioritas");

cboPrioritasC1.setModel(new
javax.swing.DefaultComboBoxModel(new String[] { "1", "2", "3",
"4", "5" }));
cboPrioritasC1.setEnabled(false);

cboPrioritasC2.setModel(new
javax.swing.DefaultComboBoxModel(new String[] { "1", "2", "3",
"4", "5" }));
cboPrioritasC2.setEnabled(false);

```

```

        cboPrioritasC3.setModel(new
javafx.swing.DefaultComboBoxModel(new String[] { "1", "2", "3",
"4", "5" }));
        cboPrioritasC3.setEnabled(false);

        cboPrioritasC4.setModel(new
javafx.swing.DefaultComboBoxModel(new String[] { "1", "2", "3",
"4", "5" }));
        cboPrioritasC4.setEnabled(false);
        cboPrioritasC4.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                cboPrioritasC4ActionPerformed(evt);
            }
        });

        cboPrioritasC5.setModel(new
javafx.swing.DefaultComboBoxModel(new String[] { "1", "2", "3",
"4", "5" }));
        cboPrioritasC5.setEnabled(false);

        javafx.swing.GroupLayout jPanel19Layout = new
javafx.swing.GroupLayout(jPanel19);
        jPanel19.setLayout(jPanel19Layout);
        jPanel19Layout.setHorizontalGroup(

jPanel19Layout.createParallelGroup(javafx.swing.GroupLayout.Alignme
nt.LEADING)
            .addGroup(jPanel19Layout.createSequentialGroup()
                .addContainerGap()

.addGroup(jPanel19Layout.createParallelGroup(javafx.swing.GroupLayo
ut.Alignment.LEADING)

.addGroup(jPanel19Layout.createParallelGroup(javafx.swing.GroupLayo
ut.Alignment.TRAILING, false)
                .addComponent(jLabel154,
javafx.swing.GroupLayout.Alignment.LEADING,
javafx.swing.GroupLayout.DEFAULT_SIZE, 59, Short.MAX_VALUE)
                .addComponent(txtKriteriaC1,
javafx.swing.GroupLayout.Alignment.LEADING))
                .addComponent(txtKriteriaC2,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtKriteriaC3,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtKriteriaC4,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtKriteriaC5,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)
    .addComponent(jLabel67,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel66,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel68,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)
    .addComponent(jLabel65,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel56,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING, false)

.addGroup(jPanel19Layout.createSequentialGroup())
    .addComponent(jLabel64,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
    .addComponent(jLabel63,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
    .addComponent(jLabel12,
javax.swing.GroupLayout.DEFAULT_SIZE, 45, Short.MAX_VALUE))

.addGroup(jPanel19Layout.createSequentialGroup())

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

.addGroup(jPanel19Layout.createSequentialGroup())

```

```

.addGroup(jPanell9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(txtBilanganFuzzyC5)

.addComponent(txtBilanganFuzzyC4)

.addComponent(txtBilanganFuzzyC3,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanell9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtNilaiC3,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addComponent(txtNilaiC4,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addComponent(txtNilaiC5,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(jPanell9Layout.createSequentialGroup()

.addComponent(txtBilanganFuzzyC2,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(txtNilaiC2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanell9Layout.createSequentialGroup()

.addComponent(txtBilanganFuzzyC1,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(txtNilaiC1,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanell9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

```

```

                .addComponent(cboPrioritasC4,
javax.swing.GroupLayout.Alignment.LEADING, 0, 45, Short.MAX_VALUE)
                .addComponent(cboPrioritasC3,
javax.swing.GroupLayout.Alignment.LEADING, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(cboPrioritasC2,
javax.swing.GroupLayout.Alignment.LEADING, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(cboPrioritasC5, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(cboPrioritasC1,
javax.swing.GroupLayout.Alignment.LEADING, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );
        jPanel19Layout.setVerticalGroup(

jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
                .addGroup(jPanel19Layout.createSequentialGroup()
                .addContainerGap()

        .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
                .addComponent(jLabel154)
                .addComponent(jLabel164)
                .addComponent(jLabel163)
                .addComponent(jLabel12))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

        .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
                .addComponent(txtKriteriaC1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel156)
                .addComponent(txtBilanganFuzzyC1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtNilaiC1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(cboPrioritasC1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

```

```

.addGroup(jPanell19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(txtKriteriaC2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel65)
        .addComponent(txtBilanganFuzzyC2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtNilaiC2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboPrioritasC2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanell19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel66)
        .addComponent(txtKriteriaC3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtBilanganFuzzyC3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtNilaiC3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboPrioritasC3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanell19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(txtKriteriaC4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel67)
        .addComponent(txtBilanganFuzzyC4,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtNilaiC4,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboPrioritasC4,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel19Layout.createParallelGroup(javafx.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(txtKriteriaC5,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel168)
        .addComponent(txtBilanganFuzzyC5,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtNilaiC5,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboPrioritasC5,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javafx.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );

        javafx.swing.GroupLayout layout = new
javafx.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(

layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.LEADI
NG)
        .addComponent(jPanel14,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(javafx.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())
        .addComponent(jPanel19,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

```

```

        .addComponent(jPanel23,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel19,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel23,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
        );

    pack();
} // </editor-fold>

private void
txtKriteriaC2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void
btnSuntingActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    testBtnSunting = "1";
    this.aktif();
}

private void
btnSimpanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if (testBtnSunting.equals("0")) {
        JOptionPane.showMessageDialog(this, "Pilih sunting
terlebih dahulu");
    } else {
        try {
            if (check()) {
                Object[] options = {"Ya", "Tidak"};
                int jwb = JOptionPane.showOptionDialog(this,
                    "Apakah yakin bobot kriteria
disunting?",

```



```

        "Konfirmasi",
        JOptionPane.YES_OPTION,
        JOptionPane.QUESTION_MESSAGE,
        null,
        options,
        options[0]);
    if (jwb == 1) {
        JOptionPane.showMessageDialog(this, "Bobot
kriteria batal disunting");
    } else if (jwb == 0) {
        String nilaic1 = txtNilaiC1.getText();
        String nilaic2 = txtNilaiC2.getText();
        String nilaic3 = txtNilaiC3.getText();
        String nilaic4 = txtNilaiC4.getText();
        String nilaic5 = txtNilaiC5.getText();
        String bilanganfuzzyc1 =
txtBilanganFuzzyC1.getText();
        String bilanganfuzzyc2 =
txtBilanganFuzzyC2.getText();
        String bilanganfuzzyc3 =
txtBilanganFuzzyC3.getText();
        String bilanganfuzzyc4 =
txtBilanganFuzzyC4.getText();
        String bilanganfuzzyc5 =
txtBilanganFuzzyC5.getText();
        String prioritas1 =
cboPrioritasC1.getSelectedItem().toString();
        String prioritas2 =
cboPrioritasC2.getSelectedItem().toString();
        String prioritas3 =
cboPrioritasC3.getSelectedItem().toString();
        String prioritas4 =
cboPrioritasC4.getSelectedItem().toString();
        String prioritas5 =
cboPrioritasC5.getSelectedItem().toString();

        k.st = k.conn.createStatement();

        String sqlSimpanC1 = "update bobot set
nilai='" + nilaic1 + "', bilangan_fuzzy='" + bilanganfuzzyc1 + "',
prioritas='" + prioritas1 + "' where id_bobot='C1'";
        k.st.execute(sqlSimpanC1);

        String sqlSimpanC2 = "update bobot set
nilai='" + nilaic2 + "', bilangan_fuzzy='" + bilanganfuzzyc2 + "',
prioritas='" + prioritas2 + "' where id_bobot='C2'";
        k.st.execute(sqlSimpanC2);

        String sqlSimpanC3 = "update bobot set
nilai='" + nilaic3 + "', bilangan_fuzzy='" + bilanganfuzzyc3 + "',
prioritas='" + prioritas3 + "' where id_bobot='C3'";
        k.st.execute(sqlSimpanC3);

        String sqlSimpanC4 = "update bobot set
nilai='" + nilaic4 + "', bilangan_fuzzy='" + bilanganfuzzyc4 + "',
prioritas='" + prioritas4 + "' where id_bobot='C4'";

```

```

        k.st.execute(sqlSimpanC4);

        String sqlSimpanC5 = "update bobot set
nilai='" + nilaic5 + "', bilangan_fuzzy='" + bilanganfuzzyc5 + "',
prioritas='" + prioritas5 + "' where id_bobot='C5'";
        k.st.execute(sqlSimpanC5);

        k.st.close();

        testBtnSunting = "0";
        this.nonaktif();
        JOptionPane.showMessageDialog(this, "Bobot
kriteria berhasil disunting");
    } else {
        JOptionPane.showMessageDialog(this, "Bobot
kriteria batal disunting");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data
tidak boleh ada yg kosong");
        this.focus();
    }
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(this, "Bobot
kriteria gagal disunting");

    Logger.getLogger(admin_bobot.class.getName()).log(Level.SEVERE,
    null, ex);
}
}

private void txtNilaiC1KeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtNilaiC1.getText().length() >= 4) {
        evt.consume();
    }
}

private void txtNilaiC2KeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtNilaiC2.getText().length() >= 4) {
        evt.consume();
    }
}

private void txtNilaiC3KeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtNilaiC3.getText().length() >= 4) {
        evt.consume();
    }
}

private void txtNilaiC4KeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtNilaiC4.getText().length() >= 4) {

```

```

        evt.consume();
    }
}

private void txtNilaiC5KeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtNilaiC5.getText().length() >= 4) {
        evt.consume();
    }
}

private void
txtBilanganFuzzyC1KeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtBilanganFuzzyC1.getText().length() >= 20) {
        evt.consume();
    }
}

private void
txtBilanganFuzzyC2KeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtBilanganFuzzyC2.getText().length() >= 20) {
        evt.consume();
    }
}

private void
txtBilanganFuzzyC3KeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtBilanganFuzzyC3.getText().length() >= 20) {
        evt.consume();
    }
}

private void
txtBilanganFuzzyC4KeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtBilanganFuzzyC4.getText().length() >= 20) {
        evt.consume();
    }
}

private void
txtBilanganFuzzyC5KeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtBilanganFuzzyC5.getText().length() >= 20) {
        evt.consume();
    }
}

private void
cboPrioritasC4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(admin_bobot.class.getName()).log(
java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(admin_bobot.class.getName()).log(
java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(admin_bobot.class.getName()).log(
java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(admin_bobot.class.getName()).log(
java.util.logging.Level.SEVERE, null, ex);
    }
}
//</editor-fold>

    /* Create and display the dialog */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            admin_bobot dialog = new admin_bobot(new
javax.swing.JFrame(), true);
            dialog.addWindowListener(new
java.awt.event.WindowAdapter() {
                @Override
                public void
windowClosing(java.awt.event.WindowEvent e) {
                    System.exit(0);
                }
            });
            dialog.setVisible(true);
        }
    });
}

```

```

    });
}
// Variables declaration - do not modify
private javax.swing.JButton btnSimpan;
private javax.swing.JButton btnSunting;
private javax.swing.JComboBox cboPrioritasC1;
private javax.swing.JComboBox cboPrioritasC2;
private javax.swing.JComboBox cboPrioritasC3;
private javax.swing.JComboBox cboPrioritasC4;
private javax.swing.JComboBox cboPrioritasC5;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel154;
private javax.swing.JLabel jLabel156;
private javax.swing.JLabel jLabel161;
private javax.swing.JLabel jLabel163;
private javax.swing.JLabel jLabel164;
private javax.swing.JLabel jLabel165;
private javax.swing.JLabel jLabel166;
private javax.swing.JLabel jLabel167;
private javax.swing.JLabel jLabel168;
private javax.swing.JPanel jPanel19;
private javax.swing.JPanel jPanel23;
private javax.swing.JPanel jPanel4;
private javax.swing.JScrollPane jScrollPane4;
private javax.swing.JTextField txtBilanganFuzzyC1;
private javax.swing.JTextField txtBilanganFuzzyC2;
private javax.swing.JTextField txtBilanganFuzzyC3;
private javax.swing.JTextField txtBilanganFuzzyC4;
private javax.swing.JTextField txtBilanganFuzzyC5;
private javax.swing.JTextArea txtKeterangan;
private javax.swing.JTextField txtKriteriaC1;
private javax.swing.JTextField txtKriteriaC2;
private javax.swing.JTextField txtKriteriaC3;
private javax.swing.JTextField txtKriteriaC4;
private javax.swing.JTextField txtKriteriaC5;
private javax.swing.JTextField txtNilaiC1;
private javax.swing.JTextField txtNilaiC2;
private javax.swing.JTextField txtNilaiC3;
private javax.swing.JTextField txtNilaiC4;
private javax.swing.JTextField txtNilaiC5;
// End of variables declaration
}

```

## PACKED admin (admin\_fuzzy.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package admin;

import java.awt.Color;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import spkbeasiswafmadmnsaw.koneksi;

/**
 *
 * @author dxdiaxz7z
 */
public class admin_fuzzy extends javax.swing.JDialog {

    koneksi k;
    String C1testBtnSunting = "0";
    String C2testBtnSunting = "0";
    String C3testBtnSunting = "0";
    String C4testBtnSunting = "0";
    String C5testBtnSunting = "0";

    // hubungan antar class - mulai
    // inisiasi variable class diagram
    public float c11_fuzzy_nilai = 0;
    public float c12_fuzzy_nilai = 0;
    public float c13_fuzzy_nilai = 0;
    public float c14_fuzzy_nilai = 0;
    public float c15_fuzzy_nilai = 0;
    public float c16_fuzzy_nilai = 0;
    public float c17_fuzzy_nilai = 0;

    public float c21_fuzzy_nilai = 0;
    public float c22_fuzzy_nilai = 0;
    public float c23_fuzzy_nilai = 0;
    public float c24_fuzzy_nilai = 0;
    public float c25_fuzzy_nilai = 0;
    public float c26_fuzzy_nilai = 0;
    public float c27_fuzzy_nilai = 0;

    public float c31_fuzzy_nilai = 0;
    public float c32_fuzzy_nilai = 0;
    public float c33_fuzzy_nilai = 0;
    public float c34_fuzzy_nilai = 0;
    public float c35_fuzzy_nilai = 0;

    public float c41_fuzzy_nilai = 0;
    public float c42_fuzzy_nilai = 0;
    public float c43_fuzzy_nilai = 0;
    public float c44_fuzzy_nilai = 0;
}
```

```
public float c45_fuzzy_nilai = 0;

public float c51_fuzzy_nilai = 0;
public float c52_fuzzy_nilai = 0;
public float c53_fuzzy_nilai = 0;
public float c54_fuzzy_nilai = 0;
public float c55_fuzzy_nilai = 0;

//public float c11_rentang_1 = 0;
public float c11_rentang_2 = 0;
public float c12_rentang_1 = 0;
public float c12_rentang_2 = 0;
public float c13_rentang_1 = 0;
public float c13_rentang_2 = 0;
public float c14_rentang_1 = 0;
public float c14_rentang_2 = 0;
public float c15_rentang_1 = 0;
public float c15_rentang_2 = 0;
public float c16_rentang_1 = 0;
public float c16_rentang_2 = 0;
//public float c17_rentang_1 = 0;
public float c17_rentang_2 = 0;

//public int c21_rentang_1 = 0;
public int c21_rentang_2 = 0;
public int c22_rentang_1 = 0;
public int c22_rentang_2 = 0;
public int c23_rentang_1 = 0;
public int c23_rentang_2 = 0;
public int c24_rentang_1 = 0;
public int c24_rentang_2 = 0;
public int c25_rentang_1 = 0;
public int c25_rentang_2 = 0;
public int c26_rentang_1 = 0;
public int c26_rentang_2 = 0;
//public int c27_rentang_1 = 0;
public int c27_rentang_2 = 0;

public int c31_rentang_1 = 0;
public int c32_rentang_1 = 0;
public int c33_rentang_1 = 0;
public int c34_rentang_1 = 0;
public int c35_rentang_1 = 0;

//public float c41_rentang_1 = 0;
public float c41_rentang_2 = 0;
public float c42_rentang_1 = 0;
public float c42_rentang_2 = 0;
public float c43_rentang_1 = 0;
public float c43_rentang_2 = 0;
public float c44_rentang_1 = 0;
public float c44_rentang_2 = 0;
//public float c45_rentang_1 = 0;
public float c45_rentang_2 = 0;

public int c51_rentang_1 = 0;
```

```

public int c52_rentang_1 = 0;
public int c53_rentang_1 = 0;
public int c54_rentang_1 = 0;
public int c55_rentang_1 = 0;

String sql_c11_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C11'";
String sql_c12_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C12'";
String sql_c13_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C13'";
String sql_c14_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C14'";
String sql_c15_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C15'";
String sql_c16_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C16'";
String sql_c17_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C17'";

String sql_c21_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C21'";
String sql_c22_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C22'";
String sql_c23_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C23'";
String sql_c24_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C24'";
String sql_c25_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C25'";
String sql_c26_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C26'";
String sql_c27_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C27'";

String sql_c31_fuzzy = "SELECT nilai,rentang1 FROM fuzzy WHERE
id_nilai='C31'";
String sql_c32_fuzzy = "SELECT nilai,rentang1 FROM fuzzy WHERE
id_nilai='C32'";
String sql_c33_fuzzy = "SELECT nilai,rentang1 FROM fuzzy WHERE
id_nilai='C33'";
String sql_c34_fuzzy = "SELECT nilai,rentang1 FROM fuzzy WHERE
id_nilai='C34'";
String sql_c35_fuzzy = "SELECT nilai,rentang1 FROM fuzzy WHERE
id_nilai='C35'";

String sql_c41_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C41'";
String sql_c42_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C42'";
String sql_c43_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C43'";
String sql_c44_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C44'";
String sql_c45_fuzzy = "SELECT nilai,rentang1,rentang2 FROM
fuzzy WHERE id_nilai='C45'";

```



```

        String sql_c51_fuzzy = "SELECT nilai,rentang1 FROM fuzzy WHERE
id_nilai='C51'";
        String sql_c52_fuzzy = "SELECT nilai,rentang1 FROM fuzzy WHERE
id_nilai='C52'";
        String sql_c53_fuzzy = "SELECT nilai,rentang1 FROM fuzzy WHERE
id_nilai='C53'";
        String sql_c54_fuzzy = "SELECT nilai,rentang1 FROM fuzzy WHERE
id_nilai='C54'";
        String sql_c55_fuzzy = "SELECT nilai,rentang1 FROM fuzzy WHERE
id_nilai='C55'";

        public void ambil_data_fuzzy() {
            try {
                k.st = k.conn.createStatement();

                k.rs = k.st.executeQuery(sql_c11_fuzzy);
                while (k.rs.next()) {
                    c11_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
                    //c11_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
                    c11_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
                }

                k.rs = k.st.executeQuery(sql_c12_fuzzy);
                while (k.rs.next()) {
                    c12_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
                    c12_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
                    c12_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
                }

                k.rs = k.st.executeQuery(sql_c13_fuzzy);
                while (k.rs.next()) {
                    c13_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
                    c13_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
                    c13_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
                }

                k.rs = k.st.executeQuery(sql_c14_fuzzy);
                while (k.rs.next()) {
                    c14_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
                    c14_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
                    c14_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
                }
            }
        }

```

```

        k.rs = k.st.executeQuery(sql_c15_fuzzy);
        while (k.rs.next()) {
            c15_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c15_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
            c15_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
        }

        k.rs = k.st.executeQuery(sql_c16_fuzzy);
        while (k.rs.next()) {
            c16_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c16_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
            c16_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
        }

        k.rs = k.st.executeQuery(sql_c17_fuzzy);
        while (k.rs.next()) {
            c17_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            //c17_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
            c17_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
        }

        k.rs = k.st.executeQuery(sql_c21_fuzzy);
        while (k.rs.next()) {
            c21_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            //c21_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
            c21_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
        }

        k.rs = k.st.executeQuery(sql_c22_fuzzy);
        while (k.rs.next()) {
            c22_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c22_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
            c22_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
        }

        k.rs = k.st.executeQuery(sql_c23_fuzzy);
        while (k.rs.next()) {
            c23_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));

```

```

        c23_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        c23_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c24_fuzzy);
    while (k.rs.next()) {
        c24_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c24_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        c24_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c25_fuzzy);
    while (k.rs.next()) {
        c25_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c25_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        c25_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c26_fuzzy);
    while (k.rs.next()) {
        c26_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c26_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        c26_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c27_fuzzy);
    while (k.rs.next()) {
        c27_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        //c27_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        c27_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c31_fuzzy);
    while (k.rs.next()) {
        c31_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c31_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
    }

    k.rs = k.st.executeQuery(sql_c32_fuzzy);

```

```

        while (k.rs.next()) {
            c32_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c32_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c33_fuzzy);
        while (k.rs.next()) {
            c33_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c33_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c34_fuzzy);
        while (k.rs.next()) {
            c34_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c34_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c35_fuzzy);
        while (k.rs.next()) {
            c35_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c35_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c41_fuzzy);
        while (k.rs.next()) {
            c41_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            //c41_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
            c41_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
        }

        k.rs = k.st.executeQuery(sql_c42_fuzzy);
        while (k.rs.next()) {
            c42_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c42_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
            c42_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
        }

        k.rs = k.st.executeQuery(sql_c43_fuzzy);
        while (k.rs.next()) {
            c43_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));

```

```

        c43_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c43_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c44_fuzzy);
    while (k.rs.next()) {
        c44_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c44_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c44_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c45_fuzzy);
    while (k.rs.next()) {
        c45_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        //c45_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c45_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c51_fuzzy);
    while (k.rs.next()) {
        c51_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c51_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
    }

    k.rs = k.st.executeQuery(sql_c52_fuzzy);
    while (k.rs.next()) {
        c52_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c52_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
    }

    k.rs = k.st.executeQuery(sql_c53_fuzzy);
    while (k.rs.next()) {
        c53_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c53_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
    }

    k.rs = k.st.executeQuery(sql_c54_fuzzy);
    while (k.rs.next()) {
        c54_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));

```

```

        c54_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
    }

        k.rs = k.st.executeQuery(sql_c55_fuzzy);
        while (k.rs.next()) {
            c55_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c55_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.st.close();
        k.rs.close();
    } catch (SQLException ex) {

Logger.getLogger(admin_fuzzy.class.getName()).log(Level.SEVERE,
null, ex);
    }
}
// hubungan antar class - selesai

/**
 * Creates new form admin_fuzzy
 */
public admin_fuzzy(java.awt.Frame parent, boolean modal) {
    super(parent, modal);
    initComponents();
    setLocationRelativeTo(null);

    k = new koneksi();
    k.koneksi();

    this.C1tampilkanData();
    this.C2tampilkanData();
    this.C3tampilkanData();
    this.C4tampilkanData();
    this.C5tampilkanData();
}

// C1 - mulai
void C1aktif() {
    txtC11Rentang2.setEditable(true);
    txtC11Rentang2.setBackground(Color.white);
    txtC11Nilai.setEditable(true);
    txtC11Nilai.setBackground(Color.white);
    txtC11BilanganFuzzy.setEditable(true);
    txtC11BilanganFuzzy.setBackground(Color.white);
    txtC12Rentang1.setEditable(true);
    txtC12Rentang1.setBackground(Color.white);
    txtC12Rentang2.setEditable(true);
    txtC12Rentang2.setBackground(Color.white);
    txtC12Nilai.setEditable(true);
    txtC12Nilai.setBackground(Color.white);
    txtC12BilanganFuzzy.setEditable(true);
    txtC12BilanganFuzzy.setBackground(Color.white);
}

```

```

txtC13Rentang1.setEditable(true);
txtC13Rentang1.setBackground(Color.white);
txtC13Rentang2.setEditable(true);
txtC13Rentang2.setBackground(Color.white);
txtC13Nilai.setEditable(true);
txtC13Nilai.setBackground(Color.white);
txtC13BilanganFuzzy.setEditable(true);
txtC13BilanganFuzzy.setBackground(Color.white);
txtC14Rentang1.setEditable(true);
txtC14Rentang1.setBackground(Color.white);
txtC14Rentang2.setEditable(true);
txtC14Rentang2.setBackground(Color.white);
txtC14Nilai.setEditable(true);
txtC14Nilai.setBackground(Color.white);
txtC14BilanganFuzzy.setEditable(true);
txtC14BilanganFuzzy.setBackground(Color.white);
txtC15Rentang1.setEditable(true);
txtC15Rentang1.setBackground(Color.white);
txtC15Rentang2.setEditable(true);
txtC15Rentang2.setBackground(Color.white);
txtC15Nilai.setEditable(true);
txtC15Nilai.setBackground(Color.white);
txtC15BilanganFuzzy.setEditable(true);
txtC15BilanganFuzzy.setBackground(Color.white);
txtC16Rentang1.setEditable(true);
txtC16Rentang1.setBackground(Color.white);
txtC16Rentang2.setEditable(true);
txtC16Rentang2.setBackground(Color.white);
txtC16Nilai.setEditable(true);
txtC16Nilai.setBackground(Color.white);
txtC16BilanganFuzzy.setEditable(true);
txtC16BilanganFuzzy.setBackground(Color.white);
txtC17Rentang2.setEditable(true);
txtC17Rentang2.setBackground(Color.white);
txtC17Nilai.setEditable(true);
txtC17Nilai.setBackground(Color.white);
txtC17BilanganFuzzy.setEditable(true);
txtC17BilanganFuzzy.setBackground(Color.white);
}

void C1nonaktif() {
txtC11Rentang2.setEditable(false);
txtC11Rentang2.setBackground(Color.lightGray);
txtC11Nilai.setEditable(false);
txtC11Nilai.setBackground(Color.lightGray);
txtC11BilanganFuzzy.setEditable(false);
txtC11BilanganFuzzy.setBackground(Color.lightGray);
txtC12Rentang1.setEditable(false);
txtC12Rentang1.setBackground(Color.lightGray);
txtC12Rentang2.setEditable(false);
txtC12Rentang2.setBackground(Color.lightGray);
txtC12Nilai.setEditable(false);
txtC12Nilai.setBackground(Color.lightGray);
txtC12BilanganFuzzy.setEditable(false);
txtC12BilanganFuzzy.setBackground(Color.lightGray);
txtC13Rentang1.setEditable(false);
}

```

```

txtC13Rentang1.setBackground(Color.lightGray);
txtC13Rentang2.setEditable(false);
txtC13Rentang2.setBackground(Color.lightGray);
txtC13Nilai.setEditable(false);
txtC13Nilai.setBackground(Color.lightGray);
txtC13BilanganFuzzy.setEditable(false);
txtC13BilanganFuzzy.setBackground(Color.lightGray);
txtC14Rentang1.setEditable(false);
txtC14Rentang1.setBackground(Color.lightGray);
txtC14Rentang2.setEditable(false);
txtC14Rentang2.setBackground(Color.lightGray);
txtC14Nilai.setEditable(false);
txtC14Nilai.setBackground(Color.lightGray);
txtC14BilanganFuzzy.setEditable(false);
txtC14BilanganFuzzy.setBackground(Color.lightGray);
txtC15Rentang1.setEditable(false);
txtC15Rentang1.setBackground(Color.lightGray);
txtC15Rentang2.setEditable(false);
txtC15Rentang2.setBackground(Color.lightGray);
txtC15Nilai.setEditable(false);
txtC15Nilai.setBackground(Color.lightGray);
txtC15BilanganFuzzy.setEditable(false);
txtC15BilanganFuzzy.setBackground(Color.lightGray);
txtC16Rentang1.setEditable(false);
txtC16Rentang1.setBackground(Color.lightGray);
txtC16Rentang2.setEditable(false);
txtC16Rentang2.setBackground(Color.lightGray);
txtC16Nilai.setEditable(false);
txtC16Nilai.setBackground(Color.lightGray);
txtC16BilanganFuzzy.setEditable(false);
txtC16BilanganFuzzy.setBackground(Color.lightGray);
txtC17Rentang2.setEditable(false);
txtC17Rentang2.setBackground(Color.lightGray);
txtC17Nilai.setEditable(false);
txtC17Nilai.setBackground(Color.lightGray);
txtC17BilanganFuzzy.setEditable(false);
txtC17BilanganFuzzy.setBackground(Color.lightGray);
}

```

```

boolean C1check() {
    if (!txtC11Rentang2.getText().isEmpty()
        && !txtC11Nilai.getText().isEmpty()
        && !txtC11BilanganFuzzy.getText().isEmpty()
        && !txtC12Rentang1.getText().isEmpty()
        && !txtC12Rentang2.getText().isEmpty()
        && !txtC12Nilai.getText().isEmpty()
        && !txtC12BilanganFuzzy.getText().isEmpty()
        && !txtC13Rentang1.getText().isEmpty()
        && !txtC13Rentang2.getText().isEmpty()
        && !txtC13Nilai.getText().isEmpty()
        && !txtC13BilanganFuzzy.getText().isEmpty()
        && !txtC14Rentang1.getText().isEmpty()
        && !txtC14Rentang2.getText().isEmpty()
        && !txtC14Nilai.getText().isEmpty()
        && !txtC14BilanganFuzzy.getText().isEmpty()
        && !txtC15Rentang1.getText().isEmpty()
    )

```



```

        && !txtC15Rentang2.getText().isEmpty()
        && !txtC15Nilai.getText().isEmpty()
        && !txtC15BilanganFuzzy.getText().isEmpty()
        && !txtC16Rentang1.getText().isEmpty()
        && !txtC16Rentang2.getText().isEmpty()
        && !txtC16Nilai.getText().isEmpty()
        && !txtC16BilanganFuzzy.getText().isEmpty()
        && !txtC17Rentang2.getText().isEmpty()
        && !txtC17Nilai.getText().isEmpty()
        && !txtC17BilanganFuzzy.getText().isEmpty()) {
    return true;
} else {
    return false;
}
}

void C1focus() {
    if (txtC11Rentang2.getText().isEmpty()) {
        txtC11Rentang2.requestFocusInWindow();
    } else if (txtC11BilanganFuzzy.getText().isEmpty()) {
        txtC11BilanganFuzzy.requestFocusInWindow();
    } else if (txtC11Nilai.getText().isEmpty()) {
        txtC11Nilai.requestFocusInWindow();
    } else if (txtC12Rentang1.getText().isEmpty()) {
        txtC12Rentang1.requestFocusInWindow();
    } else if (txtC12Rentang2.getText().isEmpty()) {
        txtC12Rentang2.requestFocusInWindow();
    } else if (txtC12BilanganFuzzy.getText().isEmpty()) {
        txtC12BilanganFuzzy.requestFocusInWindow();
    } else if (txtC12Nilai.getText().isEmpty()) {
        txtC12Nilai.requestFocusInWindow();
    } else if (txtC13Rentang1.getText().isEmpty()) {
        txtC13Rentang1.requestFocusInWindow();
    } else if (txtC13Rentang2.getText().isEmpty()) {
        txtC13Rentang2.requestFocusInWindow();
    } else if (txtC13BilanganFuzzy.getText().isEmpty()) {
        txtC13BilanganFuzzy.requestFocusInWindow();
    } else if (txtC13Nilai.getText().isEmpty()) {
        txtC13Nilai.requestFocusInWindow();
    } else if (txtC14Rentang1.getText().isEmpty()) {
        txtC14Rentang1.requestFocusInWindow();
    } else if (txtC14Rentang2.getText().isEmpty()) {
        txtC14Rentang2.requestFocusInWindow();
    } else if (txtC14BilanganFuzzy.getText().isEmpty()) {
        txtC14BilanganFuzzy.requestFocusInWindow();
    } else if (txtC14Nilai.getText().isEmpty()) {
        txtC14Nilai.requestFocusInWindow();
    } else if (txtC15Rentang1.getText().isEmpty()) {
        txtC15Rentang1.requestFocusInWindow();
    } else if (txtC15Rentang2.getText().isEmpty()) {
        txtC15Rentang2.requestFocusInWindow();
    } else if (txtC15BilanganFuzzy.getText().isEmpty()) {
        txtC15BilanganFuzzy.requestFocusInWindow();
    } else if (txtC15Nilai.getText().isEmpty()) {
        txtC15Nilai.requestFocusInWindow();
    } else if (txtC16Rentang1.getText().isEmpty()) {

```

```

        txtC16Rentang1.requestFocusInWindow();
    } else if (txtC16Rentang2.getText().isEmpty()) {
        txtC16Rentang2.requestFocusInWindow();
    } else if (txtC16BilanganFuzzy.getText().isEmpty()) {
        txtC16BilanganFuzzy.requestFocusInWindow();
    } else if (txtC16Nilai.getText().isEmpty()) {
        txtC16Nilai.requestFocusInWindow();
    } else if (txtC17Rentang2.getText().isEmpty()) {
        txtC17Rentang2.requestFocusInWindow();
    } else if (txtC17BilanganFuzzy.getText().isEmpty()) {
        txtC17BilanganFuzzy.requestFocusInWindow();
    } else if (txtC17Nilai.getText().isEmpty()) {
        txtC17Nilai.requestFocusInWindow();
    }
}

final void C1tampilkanData() {
    try {
        k.st = k.conn.createStatement();

        String sqlC11 = "SELECT rentang2,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C11'";
        k.rs = k.st.executeQuery(sqlC11);
        while (k.rs.next()) {

txtC11Rentang2.setText(k.rs.getString("rentang2"));
            txtC11Nilai.setText(k.rs.getString("nilai"));

txtC11BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC12 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C12'";
        k.rs = k.st.executeQuery(sqlC12);
        while (k.rs.next()) {

txtC12Rentang1.setText(k.rs.getString("rentang1"));

txtC12Rentang2.setText(k.rs.getString("rentang2"));
            txtC12Nilai.setText(k.rs.getString("nilai"));

txtC12BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC13 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C13'";
        k.rs = k.st.executeQuery(sqlC13);
        while (k.rs.next()) {

txtC13Rentang1.setText(k.rs.getString("rentang1"));

txtC13Rentang2.setText(k.rs.getString("rentang2"));
            txtC13Nilai.setText(k.rs.getString("nilai"));
        }
    }
}

```

```

txtC13BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

    String sqlC14 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C14'";
    k.rs = k.st.executeQuery(sqlC14);
    while (k.rs.next()) {

txtC14Rentang1.setText(k.rs.getString("rentang1"));

txtC14Rentang2.setText(k.rs.getString("rentang2"));
    txtC14Nilai.setText(k.rs.getString("nilai"));

txtC14BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

    String sqlC15 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C15'";
    k.rs = k.st.executeQuery(sqlC15);
    while (k.rs.next()) {

txtC15Rentang1.setText(k.rs.getString("rentang1"));

txtC15Rentang2.setText(k.rs.getString("rentang2"));
    txtC15Nilai.setText(k.rs.getString("nilai"));

txtC15BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

    String sqlC16 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C16'";
    k.rs = k.st.executeQuery(sqlC16);
    while (k.rs.next()) {

txtC16Rentang1.setText(k.rs.getString("rentang1"));

txtC16Rentang2.setText(k.rs.getString("rentang2"));
    txtC16Nilai.setText(k.rs.getString("nilai"));

txtC16BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

    String sqlC17 = "SELECT rentang2,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C17'";
    k.rs = k.st.executeQuery(sqlC17);
    while (k.rs.next()) {

txtC17Rentang2.setText(k.rs.getString("rentang2"));
    txtC17Nilai.setText(k.rs.getString("nilai"));

txtC17BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

```

```

        k.st.close();
        k.rs.close();
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Gagal Check");
    }

    Logger.getLogger(admin_fuzzy.class.getName()).log(Level.SEVERE,
    null, ex);
}
}
// C1 - selesai

// C2 - mulai
void C2aktif() {
    txtC21Rentang2.setEditable(true);
    txtC21Rentang2.setBackground(Color.white);
    txtC21Nilai.setEditable(true);
    txtC21Nilai.setBackground(Color.white);
    txtC21BilanganFuzzy.setEditable(true);
    txtC21BilanganFuzzy.setBackground(Color.white);
    txtC22Rentang1.setEditable(true);
    txtC22Rentang1.setBackground(Color.white);
    txtC22Rentang2.setEditable(true);
    txtC22Rentang2.setBackground(Color.white);
    txtC22Nilai.setEditable(true);
    txtC22Nilai.setBackground(Color.white);
    txtC22BilanganFuzzy.setEditable(true);
    txtC22BilanganFuzzy.setBackground(Color.white);
    txtC23Rentang1.setEditable(true);
    txtC23Rentang1.setBackground(Color.white);
    txtC23Rentang2.setEditable(true);
    txtC23Rentang2.setBackground(Color.white);
    txtC23Nilai.setEditable(true);
    txtC23Nilai.setBackground(Color.white);
    txtC23BilanganFuzzy.setEditable(true);
    txtC23BilanganFuzzy.setBackground(Color.white);
    txtC24Rentang1.setEditable(true);
    txtC24Rentang1.setBackground(Color.white);
    txtC24Rentang2.setEditable(true);
    txtC24Rentang2.setBackground(Color.white);
    txtC24Nilai.setEditable(true);
    txtC24Nilai.setBackground(Color.white);
    txtC24BilanganFuzzy.setEditable(true);
    txtC24BilanganFuzzy.setBackground(Color.white);
    txtC25Rentang1.setEditable(true);
    txtC25Rentang1.setBackground(Color.white);
    txtC25Rentang2.setEditable(true);
    txtC25Rentang2.setBackground(Color.white);
    txtC25Nilai.setEditable(true);
    txtC25Nilai.setBackground(Color.white);
    txtC25BilanganFuzzy.setEditable(true);
    txtC25BilanganFuzzy.setBackground(Color.white);
    txtC26Rentang1.setEditable(true);
    txtC26Rentang1.setBackground(Color.white);
    txtC26Rentang2.setEditable(true);
    txtC26Rentang2.setBackground(Color.white);
}
}

```

```

txtC26Nilai.setEditable(true);
txtC26Nilai.setBackground(Color.white);
txtC26BilanganFuzzy.setEditable(true);
txtC26BilanganFuzzy.setBackground(Color.white);
txtC27Rentang2.setEditable(true);
txtC27Rentang2.setBackground(Color.white);
txtC27Nilai.setEditable(true);
txtC27Nilai.setBackground(Color.white);
txtC27BilanganFuzzy.setEditable(true);
txtC27BilanganFuzzy.setBackground(Color.white);
}

void C2nonaktif() {
txtC21Rentang2.setEditable(false);
txtC21Rentang2.setBackground(Color.lightGray);
txtC21Nilai.setEditable(false);
txtC21Nilai.setBackground(Color.lightGray);
txtC21BilanganFuzzy.setEditable(false);
txtC21BilanganFuzzy.setBackground(Color.lightGray);
txtC22Rentang1.setEditable(false);
txtC22Rentang1.setBackground(Color.lightGray);
txtC22Rentang2.setEditable(false);
txtC22Rentang2.setBackground(Color.lightGray);
txtC22Nilai.setEditable(false);
txtC22Nilai.setBackground(Color.lightGray);
txtC22BilanganFuzzy.setEditable(false);
txtC22BilanganFuzzy.setBackground(Color.lightGray);
txtC23Rentang1.setEditable(false);
txtC23Rentang1.setBackground(Color.lightGray);
txtC23Rentang2.setEditable(false);
txtC23Rentang2.setBackground(Color.lightGray);
txtC23Nilai.setEditable(false);
txtC23Nilai.setBackground(Color.lightGray);
txtC23BilanganFuzzy.setEditable(false);
txtC23BilanganFuzzy.setBackground(Color.lightGray);
txtC24Rentang1.setEditable(false);
txtC24Rentang1.setBackground(Color.lightGray);
txtC24Rentang2.setEditable(false);
txtC24Rentang2.setBackground(Color.lightGray);
txtC24Nilai.setEditable(false);
txtC24Nilai.setBackground(Color.lightGray);
txtC24BilanganFuzzy.setEditable(false);
txtC24BilanganFuzzy.setBackground(Color.lightGray);
txtC25Rentang1.setEditable(false);
txtC25Rentang1.setBackground(Color.lightGray);
txtC25Rentang2.setEditable(false);
txtC25Rentang2.setBackground(Color.lightGray);
txtC25Nilai.setEditable(false);
txtC25Nilai.setBackground(Color.lightGray);
txtC25BilanganFuzzy.setEditable(false);
txtC25BilanganFuzzy.setBackground(Color.lightGray);
txtC26Rentang1.setEditable(false);
txtC26Rentang1.setBackground(Color.lightGray);
txtC26Rentang2.setEditable(false);
txtC26Rentang2.setBackground(Color.lightGray);
txtC26Nilai.setEditable(false);
}

```

```

txtC26Nilai.setBackground(Color.lightGray);
txtC26BilanganFuzzy.setEditable(false);
txtC26BilanganFuzzy.setBackground(Color.lightGray);
txtC27Rentang2.setEditable(false);
txtC27Rentang2.setBackground(Color.lightGray);
txtC27Nilai.setEditable(false);
txtC27Nilai.setBackground(Color.lightGray);
txtC27BilanganFuzzy.setEditable(false);
txtC27BilanganFuzzy.setBackground(Color.lightGray);
}

boolean C2check() {
    if (!txtC21Rentang2.getText().isEmpty()
        && !txtC21Nilai.getText().isEmpty()
        && !txtC21BilanganFuzzy.getText().isEmpty()
        && !txtC22Rentang1.getText().isEmpty()
        && !txtC22Rentang2.getText().isEmpty()
        && !txtC22Nilai.getText().isEmpty()
        && !txtC22BilanganFuzzy.getText().isEmpty()
        && !txtC23Rentang1.getText().isEmpty()
        && !txtC23Rentang2.getText().isEmpty()
        && !txtC23Nilai.getText().isEmpty()
        && !txtC23BilanganFuzzy.getText().isEmpty()
        && !txtC24Rentang1.getText().isEmpty()
        && !txtC24Rentang2.getText().isEmpty()
        && !txtC24Nilai.getText().isEmpty()
        && !txtC24BilanganFuzzy.getText().isEmpty()
        && !txtC25Rentang1.getText().isEmpty()
        && !txtC25Rentang2.getText().isEmpty()
        && !txtC25Nilai.getText().isEmpty()
        && !txtC25BilanganFuzzy.getText().isEmpty()
        && !txtC26Rentang1.getText().isEmpty()
        && !txtC26Rentang2.getText().isEmpty()
        && !txtC26Nilai.getText().isEmpty()
        && !txtC26BilanganFuzzy.getText().isEmpty()
        && !txtC27Rentang2.getText().isEmpty()
        && !txtC27Nilai.getText().isEmpty()
        && !txtC27BilanganFuzzy.getText().isEmpty()) {
        return true;
    } else {
        return false;
    }
}

void C2focus() {
    if (txtC21Rentang2.getText().isEmpty()) {
        txtC21Rentang2.requestFocusInWindow();
    } else if (txtC21BilanganFuzzy.getText().isEmpty()) {
        txtC21BilanganFuzzy.requestFocusInWindow();
    } else if (txtC21Nilai.getText().isEmpty()) {
        txtC21Nilai.requestFocusInWindow();
    } else if (txtC22Rentang1.getText().isEmpty()) {
        txtC22Rentang1.requestFocusInWindow();
    } else if (txtC22Rentang2.getText().isEmpty()) {
        txtC22Rentang2.requestFocusInWindow();
    } else if (txtC22BilanganFuzzy.getText().isEmpty()) {

```

```

        txtC22BilanganFuzzy.requestFocusInWindow();
    } else if (txtC22Nilai.getText().isEmpty()) {
        txtC22Nilai.requestFocusInWindow();
    } else if (txtC23Rentang1.getText().isEmpty()) {
        txtC23Rentang1.requestFocusInWindow();
    } else if (txtC23Rentang2.getText().isEmpty()) {
        txtC23Rentang2.requestFocusInWindow();
    } else if (txtC23BilanganFuzzy.getText().isEmpty()) {
        txtC23BilanganFuzzy.requestFocusInWindow();
    } else if (txtC23Nilai.getText().isEmpty()) {
        txtC23Nilai.requestFocusInWindow();
    } else if (txtC24Rentang1.getText().isEmpty()) {
        txtC24Rentang1.requestFocusInWindow();
    } else if (txtC24Rentang2.getText().isEmpty()) {
        txtC24Rentang2.requestFocusInWindow();
    } else if (txtC24BilanganFuzzy.getText().isEmpty()) {
        txtC24BilanganFuzzy.requestFocusInWindow();
    } else if (txtC24Nilai.getText().isEmpty()) {
        txtC24Nilai.requestFocusInWindow();
    } else if (txtC25Rentang1.getText().isEmpty()) {
        txtC25Rentang1.requestFocusInWindow();
    } else if (txtC25Rentang2.getText().isEmpty()) {
        txtC25Rentang2.requestFocusInWindow();
    } else if (txtC25BilanganFuzzy.getText().isEmpty()) {
        txtC25BilanganFuzzy.requestFocusInWindow();
    } else if (txtC25Nilai.getText().isEmpty()) {
        txtC25Nilai.requestFocusInWindow();
    } else if (txtC26Rentang1.getText().isEmpty()) {
        txtC26Rentang1.requestFocusInWindow();
    } else if (txtC26Rentang2.getText().isEmpty()) {
        txtC26Rentang2.requestFocusInWindow();
    } else if (txtC26BilanganFuzzy.getText().isEmpty()) {
        txtC26BilanganFuzzy.requestFocusInWindow();
    } else if (txtC26Nilai.getText().isEmpty()) {
        txtC26Nilai.requestFocusInWindow();
    } else if (txtC27Rentang2.getText().isEmpty()) {
        txtC27Rentang2.requestFocusInWindow();
    } else if (txtC27BilanganFuzzy.getText().isEmpty()) {
        txtC27BilanganFuzzy.requestFocusInWindow();
    } else if (txtC27Nilai.getText().isEmpty()) {
        txtC27Nilai.requestFocusInWindow();
    }
}

final void C2tampilkanData() {
    try {
        k.st = k.conn.createStatement();

        String sqlC21 = "SELECT rentang2,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C21'";
        k.rs = k.st.executeQuery(sqlC21);
        while (k.rs.next()) {

txtC21Rentang2.setText(k.rs.getString("rentang2"));
            txtC21Nilai.setText(k.rs.getString("nilai"));

```

```

txtC21BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

    String sqlC22 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C22'";
    k.rs = k.st.executeQuery(sqlC22);
    while (k.rs.next()) {

txtC22Rentang1.setText(k.rs.getString("rentang1"));

txtC22Rentang2.setText(k.rs.getString("rentang2"));
        txtC22Nilai.setText(k.rs.getString("nilai"));

txtC22BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

    String sqlC23 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C23'";
    k.rs = k.st.executeQuery(sqlC23);
    while (k.rs.next()) {

txtC23Rentang1.setText(k.rs.getString("rentang1"));

txtC23Rentang2.setText(k.rs.getString("rentang2"));
        txtC23Nilai.setText(k.rs.getString("nilai"));

txtC23BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

    String sqlC24 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C24'";
    k.rs = k.st.executeQuery(sqlC24);
    while (k.rs.next()) {

txtC24Rentang1.setText(k.rs.getString("rentang1"));

txtC24Rentang2.setText(k.rs.getString("rentang2"));
        txtC24Nilai.setText(k.rs.getString("nilai"));

txtC24BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

    String sqlC25 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C25'";
    k.rs = k.st.executeQuery(sqlC25);
    while (k.rs.next()) {

txtC25Rentang1.setText(k.rs.getString("rentang1"));

txtC25Rentang2.setText(k.rs.getString("rentang2"));
        txtC25Nilai.setText(k.rs.getString("nilai"));
    }

```



```

txtC25BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

    String sqlC26 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C26'";
    k.rs = k.st.executeQuery(sqlC26);
    while (k.rs.next()) {

txtC26Rentang1.setText(k.rs.getString("rentang1"));

txtC26Rentang2.setText(k.rs.getString("rentang2"));
    txtC26Nilai.setText(k.rs.getString("nilai"));

txtC26BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

    String sqlC27 = "SELECT rentang2,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C27'";
    k.rs = k.st.executeQuery(sqlC27);
    while (k.rs.next()) {

txtC27Rentang2.setText(k.rs.getString("rentang2"));
    txtC27Nilai.setText(k.rs.getString("nilai"));

txtC27BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
    }

    k.st.close();
    k.rs.close();
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Gagal Check");

Logger.getLogger(admin_fuzzy.class.getName()).log(Level.SEVERE,
null, ex);
    }
}
// C2 - selesai

// C3 - mulai
void C3aktif() {
    txtC31Rentang1.setEditable(true);
    txtC31Rentang1.setBackground(Color.white);
    txtC31Nilai.setEditable(true);
    txtC31Nilai.setBackground(Color.white);
    txtC31BilanganFuzzy.setEditable(true);
    txtC31BilanganFuzzy.setBackground(Color.white);
    txtC32Rentang1.setEditable(true);
    txtC32Rentang1.setBackground(Color.white);
    txtC32Nilai.setEditable(true);
    txtC32Nilai.setBackground(Color.white);
    txtC32BilanganFuzzy.setEditable(true);
    txtC32BilanganFuzzy.setBackground(Color.white);
    txtC33Rentang1.setEditable(true);
    txtC33Rentang1.setBackground(Color.white);
}

```

```

txtC33Nilai.setEditable(true);
txtC33Nilai.setBackground(Color.white);
txtC33BilanganFuzzy.setEditable(true);
txtC33BilanganFuzzy.setBackground(Color.white);
txtC34Rentang1.setEditable(true);
txtC34Rentang1.setBackground(Color.white);
txtC34Nilai.setEditable(true);
txtC34Nilai.setBackground(Color.white);
txtC34BilanganFuzzy.setEditable(true);
txtC34BilanganFuzzy.setBackground(Color.white);
txtC35Rentang1.setEditable(true);
txtC35Rentang1.setBackground(Color.white);
txtC35Nilai.setEditable(true);
txtC35Nilai.setBackground(Color.white);
txtC35BilanganFuzzy.setEditable(true);
txtC35BilanganFuzzy.setBackground(Color.white);
}

void C3nonaktif() {
txtC31Rentang1.setEditable(false);
txtC31Rentang1.setBackground(Color.lightGray);
txtC31Nilai.setEditable(false);
txtC31Nilai.setBackground(Color.lightGray);
txtC31BilanganFuzzy.setEditable(false);
txtC31BilanganFuzzy.setBackground(Color.lightGray);
txtC32Rentang1.setEditable(false);
txtC32Rentang1.setBackground(Color.lightGray);
txtC32Nilai.setEditable(false);
txtC32Nilai.setBackground(Color.lightGray);
txtC32BilanganFuzzy.setEditable(false);
txtC32BilanganFuzzy.setBackground(Color.lightGray);
txtC33Rentang1.setEditable(false);
txtC33Rentang1.setBackground(Color.lightGray);
txtC33Nilai.setEditable(false);
txtC33Nilai.setBackground(Color.lightGray);
txtC33BilanganFuzzy.setEditable(false);
txtC33BilanganFuzzy.setBackground(Color.lightGray);
txtC34Rentang1.setEditable(false);
txtC34Rentang1.setBackground(Color.lightGray);
txtC34Nilai.setEditable(false);
txtC34Nilai.setBackground(Color.lightGray);
txtC34BilanganFuzzy.setEditable(false);
txtC34BilanganFuzzy.setBackground(Color.lightGray);
txtC35Rentang1.setEditable(false);
txtC35Rentang1.setBackground(Color.lightGray);
txtC35Nilai.setEditable(false);
txtC35Nilai.setBackground(Color.lightGray);
txtC35BilanganFuzzy.setEditable(false);
txtC35BilanganFuzzy.setBackground(Color.lightGray);
}

boolean C3check() {
if (!txtC31Rentang1.getText().isEmpty()
    && !txtC31Nilai.getText().isEmpty()
    && !txtC31BilanganFuzzy.getText().isEmpty()
    && !txtC32Rentang1.getText().isEmpty()

```

```

        && !txtC32Nilai.getText().isEmpty()
        && !txtC32BilanganFuzzy.getText().isEmpty()
        && !txtC33Rentang1.getText().isEmpty()
        && !txtC33Nilai.getText().isEmpty()
        && !txtC33BilanganFuzzy.getText().isEmpty()
        && !txtC34Rentang1.getText().isEmpty()
        && !txtC34Nilai.getText().isEmpty()
        && !txtC34BilanganFuzzy.getText().isEmpty()
        && !txtC35Rentang1.getText().isEmpty()
        && !txtC35Nilai.getText().isEmpty()
        && !txtC35BilanganFuzzy.getText().isEmpty() ) {
    return true;
} else {
    return false;
}
}

void C3focus() {
    if (txtC31Rentang1.getText().isEmpty()) {
        txtC31Rentang1.requestFocusInWindow();
    } else if (txtC31BilanganFuzzy.getText().isEmpty()) {
        txtC31BilanganFuzzy.requestFocusInWindow();
    } else if (txtC31Nilai.getText().isEmpty()) {
        txtC31Nilai.requestFocusInWindow();
    } else if (txtC32Rentang1.getText().isEmpty()) {
        txtC32Rentang1.requestFocusInWindow();
    } else if (txtC32BilanganFuzzy.getText().isEmpty()) {
        txtC32BilanganFuzzy.requestFocusInWindow();
    } else if (txtC32Nilai.getText().isEmpty()) {
        txtC32Nilai.requestFocusInWindow();
    } else if (txtC33Rentang1.getText().isEmpty()) {
        txtC33Rentang1.requestFocusInWindow();
    } else if (txtC33BilanganFuzzy.getText().isEmpty()) {
        txtC33BilanganFuzzy.requestFocusInWindow();
    } else if (txtC33Nilai.getText().isEmpty()) {
        txtC33Nilai.requestFocusInWindow();
    } else if (txtC34Rentang1.getText().isEmpty()) {
        txtC34Rentang1.requestFocusInWindow();
    } else if (txtC34BilanganFuzzy.getText().isEmpty()) {
        txtC34BilanganFuzzy.requestFocusInWindow();
    } else if (txtC34Nilai.getText().isEmpty()) {
        txtC34Nilai.requestFocusInWindow();
    } else if (txtC35Rentang1.getText().isEmpty()) {
        txtC35Rentang1.requestFocusInWindow();
    } else if (txtC35BilanganFuzzy.getText().isEmpty()) {
        txtC35BilanganFuzzy.requestFocusInWindow();
    } else if (txtC35Nilai.getText().isEmpty()) {
        txtC35Nilai.requestFocusInWindow();
    }
}

final void C3tampilkanData() {
    try {
        k.st = k.conn.createStatement();

```

```

        String sqlC31 = "SELECT rentang1,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C31'";
        k.rs = k.st.executeQuery(sqlC31);
        while (k.rs.next()) {

txtC31Rentang1.setText(k.rs.getString("rentang1"));
        txtC31Nilai.setText(k.rs.getString("nilai"));

txtC31BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC32 = "SELECT rentang1,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C32'";
        k.rs = k.st.executeQuery(sqlC32);
        while (k.rs.next()) {

txtC32Rentang1.setText(k.rs.getString("rentang1"));
        txtC32Nilai.setText(k.rs.getString("nilai"));

txtC32BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC33 = "SELECT rentang1,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C33'";
        k.rs = k.st.executeQuery(sqlC33);
        while (k.rs.next()) {

txtC33Rentang1.setText(k.rs.getString("rentang1"));
        txtC33Nilai.setText(k.rs.getString("nilai"));

txtC33BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC34 = "SELECT rentang1,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C34'";
        k.rs = k.st.executeQuery(sqlC34);
        while (k.rs.next()) {

txtC34Rentang1.setText(k.rs.getString("rentang1"));
        txtC34Nilai.setText(k.rs.getString("nilai"));

txtC34BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC35 = "SELECT rentang1,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C35'";
        k.rs = k.st.executeQuery(sqlC35);
        while (k.rs.next()) {

txtC35Rentang1.setText(k.rs.getString("rentang1"));
        txtC35Nilai.setText(k.rs.getString("nilai"));

txtC35BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        k.st.close();

```

```

        k.rs.close();
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Gagal Check");
    }
}
Logger.getLogger(admin_fuzzy.class.getName()).log(Level.SEVERE,
null, ex);
}
}
// C3 - selesai

// C4 - mulai
void C4aktif() {
    txtC41Rentang2.setEditable(true);
    txtC41Rentang2.setBackground(Color.white);
    txtC41Nilai.setEditable(true);
    txtC41Nilai.setBackground(Color.white);
    txtC41BilanganFuzzy.setEditable(true);
    txtC41BilanganFuzzy.setBackground(Color.white);
    txtC42Rentang1.setEditable(true);
    txtC42Rentang1.setBackground(Color.white);
    txtC42Rentang2.setEditable(true);
    txtC42Rentang2.setBackground(Color.white);
    txtC42Nilai.setEditable(true);
    txtC42Nilai.setBackground(Color.white);
    txtC42BilanganFuzzy.setEditable(true);
    txtC42BilanganFuzzy.setBackground(Color.white);
    txtC43Rentang1.setEditable(true);
    txtC43Rentang1.setBackground(Color.white);
    txtC43Rentang2.setEditable(true);
    txtC43Rentang2.setBackground(Color.white);
    txtC43Nilai.setEditable(true);
    txtC43Nilai.setBackground(Color.white);
    txtC43BilanganFuzzy.setEditable(true);
    txtC43BilanganFuzzy.setBackground(Color.white);
    txtC44Rentang1.setEditable(true);
    txtC44Rentang1.setBackground(Color.white);
    txtC44Rentang2.setEditable(true);
    txtC44Rentang2.setBackground(Color.white);
    txtC44Nilai.setEditable(true);
    txtC44Nilai.setBackground(Color.white);
    txtC44BilanganFuzzy.setEditable(true);
    txtC44BilanganFuzzy.setBackground(Color.white);
    txtC45Rentang2.setEditable(true);
    txtC45Rentang2.setBackground(Color.white);
    txtC45Nilai.setEditable(true);
    txtC45Nilai.setBackground(Color.white);
    txtC45BilanganFuzzy.setEditable(true);
    txtC45BilanganFuzzy.setBackground(Color.white);
}

void C4nonaktif() {
    txtC41Rentang2.setEditable(false);
    txtC41Rentang2.setBackground(Color.lightGray);
    txtC41Nilai.setEditable(false);
    txtC41Nilai.setBackground(Color.lightGray);
    txtC41BilanganFuzzy.setEditable(false);
}

```

```

txtC41BilanganFuzzy.setBackground(Color.lightGray);
txtC42Rentang1.setEditable(false);
txtC42Rentang1.setBackground(Color.lightGray);
txtC42Rentang2.setEditable(false);
txtC42Rentang2.setBackground(Color.lightGray);
txtC42Nilai.setEditable(false);
txtC42Nilai.setBackground(Color.lightGray);
txtC42BilanganFuzzy.setEditable(false);
txtC42BilanganFuzzy.setBackground(Color.lightGray);
txtC43Rentang1.setEditable(false);
txtC43Rentang1.setBackground(Color.lightGray);
txtC43Rentang2.setEditable(false);
txtC43Rentang2.setBackground(Color.lightGray);
txtC43Nilai.setEditable(false);
txtC43Nilai.setBackground(Color.lightGray);
txtC43BilanganFuzzy.setEditable(false);
txtC43BilanganFuzzy.setBackground(Color.lightGray);
txtC44Rentang1.setEditable(false);
txtC44Rentang1.setBackground(Color.lightGray);
txtC44Rentang2.setEditable(false);
txtC44Rentang2.setBackground(Color.lightGray);
txtC44Nilai.setEditable(false);
txtC44Nilai.setBackground(Color.lightGray);
txtC44BilanganFuzzy.setEditable(false);
txtC44BilanganFuzzy.setBackground(Color.lightGray);
txtC45Rentang2.setEditable(false);
txtC45Rentang2.setBackground(Color.lightGray);
txtC45Nilai.setEditable(false);
txtC45Nilai.setBackground(Color.lightGray);
txtC45BilanganFuzzy.setEditable(false);
txtC45BilanganFuzzy.setBackground(Color.lightGray);
}

boolean C4check() {
    if (!txtC41Rentang2.getText().isEmpty()
        && !txtC41Nilai.getText().isEmpty()
        && !txtC41BilanganFuzzy.getText().isEmpty()
        && !txtC42Rentang1.getText().isEmpty()
        && !txtC42Rentang2.getText().isEmpty()
        && !txtC42Nilai.getText().isEmpty()
        && !txtC42BilanganFuzzy.getText().isEmpty()
        && !txtC43Rentang1.getText().isEmpty()
        && !txtC43Rentang2.getText().isEmpty()
        && !txtC43Nilai.getText().isEmpty()
        && !txtC43BilanganFuzzy.getText().isEmpty()
        && !txtC44Rentang1.getText().isEmpty()
        && !txtC44Rentang2.getText().isEmpty()
        && !txtC44Nilai.getText().isEmpty()
        && !txtC44BilanganFuzzy.getText().isEmpty()
        && !txtC45Rentang2.getText().isEmpty()
        && !txtC45Nilai.getText().isEmpty()
        && !txtC45BilanganFuzzy.getText().isEmpty()) {
        return true;
    } else {
        return false;
    }
}

```

```

    }

    void C4focus() {
        if (txtC41Rentang2.getText().isEmpty()) {
            txtC41Rentang2.requestFocusInWindow();
        } else if (txtC41BilanganFuzzy.getText().isEmpty()) {
            txtC41BilanganFuzzy.requestFocusInWindow();
        } else if (txtC41Nilai.getText().isEmpty()) {
            txtC41Nilai.requestFocusInWindow();
        } else if (txtC42Rentang1.getText().isEmpty()) {
            txtC42Rentang1.requestFocusInWindow();
        } else if (txtC42Rentang2.getText().isEmpty()) {
            txtC42Rentang2.requestFocusInWindow();
        } else if (txtC42BilanganFuzzy.getText().isEmpty()) {
            txtC42BilanganFuzzy.requestFocusInWindow();
        } else if (txtC42Nilai.getText().isEmpty()) {
            txtC42Nilai.requestFocusInWindow();
        } else if (txtC43Rentang1.getText().isEmpty()) {
            txtC43Rentang1.requestFocusInWindow();
        } else if (txtC43Rentang2.getText().isEmpty()) {
            txtC43Rentang2.requestFocusInWindow();
        } else if (txtC43BilanganFuzzy.getText().isEmpty()) {
            txtC43BilanganFuzzy.requestFocusInWindow();
        } else if (txtC43Nilai.getText().isEmpty()) {
            txtC43Nilai.requestFocusInWindow();
        } else if (txtC44Rentang1.getText().isEmpty()) {
            txtC44Rentang1.requestFocusInWindow();
        } else if (txtC44Rentang2.getText().isEmpty()) {
            txtC44Rentang2.requestFocusInWindow();
        } else if (txtC44BilanganFuzzy.getText().isEmpty()) {
            txtC44BilanganFuzzy.requestFocusInWindow();
        } else if (txtC44Nilai.getText().isEmpty()) {
            txtC44Nilai.requestFocusInWindow();
        } else if (txtC45Rentang2.getText().isEmpty()) {
            txtC45Rentang2.requestFocusInWindow();
        } else if (txtC45BilanganFuzzy.getText().isEmpty()) {
            txtC45BilanganFuzzy.requestFocusInWindow();
        } else if (txtC45Nilai.getText().isEmpty()) {
            txtC45Nilai.requestFocusInWindow();
        }
    }
}

final void C4tampilkanData() {
    try {
        k.st = k.conn.createStatement();

        String sqlC41 = "SELECT rentang2,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C41'";
        k.rs = k.st.executeQuery(sqlC41);
        while (k.rs.next()) {

txtC41Rentang2.setText(k.rs.getString("rentang2"));
            txtC41Nilai.setText(k.rs.getString("nilai"));

txtC41BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }
    }
}

```

```

        String sqlC42 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C42'";
        k.rs = k.st.executeQuery(sqlC42);
        while (k.rs.next()) {

txtC42Rentang1.setText(k.rs.getString("rentang1"));

txtC42Rentang2.setText(k.rs.getString("rentang2"));
        txtC42Nilai.setText(k.rs.getString("nilai"));

txtC42BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC43 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C43'";
        k.rs = k.st.executeQuery(sqlC43);
        while (k.rs.next()) {

txtC43Rentang1.setText(k.rs.getString("rentang1"));

txtC43Rentang2.setText(k.rs.getString("rentang2"));
        txtC43Nilai.setText(k.rs.getString("nilai"));

txtC43BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC44 = "SELECT
rentang1,rentang2,nilai,bilangan_fuzzy FROM fuzzy where
id_nilai='C44'";
        k.rs = k.st.executeQuery(sqlC44);
        while (k.rs.next()) {

txtC44Rentang1.setText(k.rs.getString("rentang1"));

txtC44Rentang2.setText(k.rs.getString("rentang2"));
        txtC44Nilai.setText(k.rs.getString("nilai"));

txtC44BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC45 = "SELECT rentang2,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C45'";
        k.rs = k.st.executeQuery(sqlC45);
        while (k.rs.next()) {

txtC45Rentang2.setText(k.rs.getString("rentang2"));
        txtC45Nilai.setText(k.rs.getString("nilai"));

txtC45BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        k.st.close();
        k.rs.close();

```



```

        } catch (SQLException ex) {
            JOptionPane.showMessageDialog(this, "Gagal Check");

Logger.getLogger(admin_fuzzy.class.getName()).log(Level.SEVERE,
null, ex);
        }
    }
    // C4 - selesai

    // C5 - mulai
    void C5aktif() {
        txtC51Rentang1.setEditable(true);
        txtC51Rentang1.setBackground(Color.white);
        txtC51Nilai.setEditable(true);
        txtC51Nilai.setBackground(Color.white);
        txtC51BilanganFuzzy.setEditable(true);
        txtC51BilanganFuzzy.setBackground(Color.white);
        txtC52Rentang1.setEditable(true);
        txtC52Rentang1.setBackground(Color.white);
        txtC52Nilai.setEditable(true);
        txtC52Nilai.setBackground(Color.white);
        txtC52BilanganFuzzy.setEditable(true);
        txtC52BilanganFuzzy.setBackground(Color.white);
        txtC53Rentang1.setEditable(true);
        txtC53Rentang1.setBackground(Color.white);
        txtC53Nilai.setEditable(true);
        txtC53Nilai.setBackground(Color.white);
        txtC53BilanganFuzzy.setEditable(true);
        txtC53BilanganFuzzy.setBackground(Color.white);
        txtC54Rentang1.setEditable(true);
        txtC54Rentang1.setBackground(Color.white);
        txtC54Nilai.setEditable(true);
        txtC54Nilai.setBackground(Color.white);
        txtC54BilanganFuzzy.setEditable(true);
        txtC54BilanganFuzzy.setBackground(Color.white);
        txtC55Rentang1.setEditable(true);
        txtC55Rentang1.setBackground(Color.white);
        txtC55Nilai.setEditable(true);
        txtC55Nilai.setBackground(Color.white);
        txtC55BilanganFuzzy.setEditable(true);
        txtC55BilanganFuzzy.setBackground(Color.white);
    }

    void C5nonaktif() {
        txtC51Rentang1.setEditable(false);
        txtC51Rentang1.setBackground(Color.lightGray);
        txtC51Nilai.setEditable(false);
        txtC51Nilai.setBackground(Color.lightGray);
        txtC51BilanganFuzzy.setEditable(false);
        txtC51BilanganFuzzy.setBackground(Color.lightGray);
        txtC52Rentang1.setEditable(false);
        txtC52Rentang1.setBackground(Color.lightGray);
        txtC52Nilai.setEditable(false);
        txtC52Nilai.setBackground(Color.lightGray);
        txtC52BilanganFuzzy.setEditable(false);
        txtC52BilanganFuzzy.setBackground(Color.lightGray);
    }

```

```

txtC53Rentang1.setEditable(false);
txtC53Rentang1.setBackground(Color.lightGray);
txtC53Nilai.setEditable(false);
txtC53Nilai.setBackground(Color.lightGray);
txtC53BilanganFuzzy.setEditable(false);
txtC53BilanganFuzzy.setBackground(Color.lightGray);
txtC54Rentang1.setEditable(false);
txtC54Rentang1.setBackground(Color.lightGray);
txtC54Nilai.setEditable(false);
txtC54Nilai.setBackground(Color.lightGray);
txtC54BilanganFuzzy.setEditable(false);
txtC54BilanganFuzzy.setBackground(Color.lightGray);
txtC55Rentang1.setEditable(false);
txtC55Rentang1.setBackground(Color.lightGray);
txtC55Nilai.setEditable(false);
txtC55Nilai.setBackground(Color.lightGray);
txtC55BilanganFuzzy.setEditable(false);
txtC55BilanganFuzzy.setBackground(Color.lightGray);
}

boolean C5check() {
    if (!txtC51Rentang1.getText().isEmpty()
        && !txtC51Nilai.getText().isEmpty()
        && !txtC51BilanganFuzzy.getText().isEmpty()
        && !txtC52Rentang1.getText().isEmpty()
        && !txtC52Nilai.getText().isEmpty()
        && !txtC52BilanganFuzzy.getText().isEmpty()
        && !txtC53Rentang1.getText().isEmpty()
        && !txtC53Nilai.getText().isEmpty()
        && !txtC53BilanganFuzzy.getText().isEmpty()
        && !txtC54Rentang1.getText().isEmpty()
        && !txtC54Nilai.getText().isEmpty()
        && !txtC54BilanganFuzzy.getText().isEmpty()
        && !txtC55Rentang1.getText().isEmpty()
        && !txtC55Nilai.getText().isEmpty()
        && !txtC55BilanganFuzzy.getText().isEmpty()) {
        return true;
    } else {
        return false;
    }
}

void C5focus() {
    if (txtC51Rentang1.getText().isEmpty()) {
        txtC51Rentang1.requestFocusInWindow();
    } else if (txtC51BilanganFuzzy.getText().isEmpty()) {
        txtC51BilanganFuzzy.requestFocusInWindow();
    } else if (txtC51Nilai.getText().isEmpty()) {
        txtC51Nilai.requestFocusInWindow();
    } else if (txtC52Rentang1.getText().isEmpty()) {
        txtC52Rentang1.requestFocusInWindow();
    } else if (txtC52BilanganFuzzy.getText().isEmpty()) {
        txtC52BilanganFuzzy.requestFocusInWindow();
    } else if (txtC52Nilai.getText().isEmpty()) {
        txtC52Nilai.requestFocusInWindow();
    } else if (txtC53Rentang1.getText().isEmpty()) {

```

```

        txtC53Rentang1.requestFocusInWindow();
    } else if (txtC53BilanganFuzzy.getText().isEmpty()) {
        txtC53BilanganFuzzy.requestFocusInWindow();
    } else if (txtC53Nilai.getText().isEmpty()) {
        txtC53Nilai.requestFocusInWindow();
    } else if (txtC54Rentang1.getText().isEmpty()) {
        txtC54Rentang1.requestFocusInWindow();
    } else if (txtC54BilanganFuzzy.getText().isEmpty()) {
        txtC54BilanganFuzzy.requestFocusInWindow();
    } else if (txtC54Nilai.getText().isEmpty()) {
        txtC54Nilai.requestFocusInWindow();
    } else if (txtC55Rentang1.getText().isEmpty()) {
        txtC55Rentang1.requestFocusInWindow();
    } else if (txtC55BilanganFuzzy.getText().isEmpty()) {
        txtC55BilanganFuzzy.requestFocusInWindow();
    } else if (txtC55Nilai.getText().isEmpty()) {
        txtC55Nilai.requestFocusInWindow();
    }
}

final void C5tampilkanData() {
    try {
        k.st = k.conn.createStatement();

        String sqlC51 = "SELECT rentang1,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C51'";
        k.rs = k.st.executeQuery(sqlC51);
        while (k.rs.next()) {

txtC51Rentang1.setText(k.rs.getString("rentang1"));
            txtC51Nilai.setText(k.rs.getString("nilai"));

txtC51BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC52 = "SELECT rentang1,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C52'";
        k.rs = k.st.executeQuery(sqlC52);
        while (k.rs.next()) {

txtC52Rentang1.setText(k.rs.getString("rentang1"));
            txtC52Nilai.setText(k.rs.getString("nilai"));

txtC52BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC53 = "SELECT rentang1,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C53'";
        k.rs = k.st.executeQuery(sqlC53);
        while (k.rs.next()) {

txtC53Rentang1.setText(k.rs.getString("rentang1"));
            txtC53Nilai.setText(k.rs.getString("nilai"));

txtC53BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }
    }
}

```

```

        String sqlC54 = "SELECT rentang1,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C54'";
        k.rs = k.st.executeQuery(sqlC54);
        while (k.rs.next()) {

txtC54Rentang1.setText(k.rs.getString("rentang1"));
        txtC54Nilai.setText(k.rs.getString("nilai"));

txtC54BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sqlC55 = "SELECT rentang1,nilai,bilangan_fuzzy
FROM fuzzy where id_nilai='C55'";
        k.rs = k.st.executeQuery(sqlC55);
        while (k.rs.next()) {

txtC55Rentang1.setText(k.rs.getString("rentang1"));
        txtC55Nilai.setText(k.rs.getString("nilai"));

txtC55BilanganFuzzy.setText(k.rs.getString("bilangan_fuzzy"));
        }

        k.st.close();
        k.rs.close();
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Gagal Check");

Logger.getLogger(admin_fuzzy.class.getName()).log(Level.SEVERE,
null, ex);
    }
}
// C5 - selesai

/**
 * This method is called from within the constructor to
initialize the form.
 * WARNING: Do NOT modify this code. The content of this
method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated
Code">
private void initComponents() {

    jPanel4 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jPanel3 = new javax.swing.JPanel();
    jPanel12 = new javax.swing.JPanel();
    jLabel5 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    txtC12Rentang1 = new javax.swing.JTextField();
    txtC13Rentang1 = new javax.swing.JTextField();
    txtC14Rentang1 = new javax.swing.JTextField();

```

```
txtC15Rentang1 = new javax.swing.JTextField();
txtC16Rentang1 = new javax.swing.JTextField();
jLabel25 = new javax.swing.JLabel();
txtC11Rentang2 = new javax.swing.JTextField();
jLabel26 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
jLabel29 = new javax.swing.JLabel();
jLabel30 = new javax.swing.JLabel();
jLabel31 = new javax.swing.JLabel();
jLabel32 = new javax.swing.JLabel();
jLabel33 = new javax.swing.JLabel();
jLabel34 = new javax.swing.JLabel();
txtC12Rentang2 = new javax.swing.JTextField();
txtC13Rentang2 = new javax.swing.JTextField();
txtC14Rentang2 = new javax.swing.JTextField();
txtC15Rentang2 = new javax.swing.JTextField();
txtC16Rentang2 = new javax.swing.JTextField();
txtC17Rentang2 = new javax.swing.JTextField();
jLabel19 = new javax.swing.JLabel();
jLabel20 = new javax.swing.JLabel();
jLabel22 = new javax.swing.JLabel();
jLabel21 = new javax.swing.JLabel();
jLabel23 = new javax.swing.JLabel();
jLabel24 = new javax.swing.JLabel();
txtC12BilanganFuzzy = new javax.swing.JTextField();
txtC13BilanganFuzzy = new javax.swing.JTextField();
txtC15BilanganFuzzy = new javax.swing.JTextField();
txtC14BilanganFuzzy = new javax.swing.JTextField();
txtC16BilanganFuzzy = new javax.swing.JTextField();
txtC11BilanganFuzzy = new javax.swing.JTextField();
txtC11Nilai = new javax.swing.JTextField();
txtC12Nilai = new javax.swing.JTextField();
txtC13Nilai = new javax.swing.JTextField();
txtC14Nilai = new javax.swing.JTextField();
txtC15Nilai = new javax.swing.JTextField();
txtC16Nilai = new javax.swing.JTextField();
txtC17BilanganFuzzy = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
txtC17Nilai = new javax.swing.JTextField();
jPanel13 = new javax.swing.JPanel();
jLabel9 = new javax.swing.JLabel();
jScrollPane1 = new javax.swing.JScrollPane();
txtC1Keterangan = new javax.swing.JTextArea();
btnC1Sunting = new javax.swing.JButton();
btnC1Simpan = new javax.swing.JButton();
jPanel6 = new javax.swing.JPanel();
jPanel27 = new javax.swing.JPanel();
jLabel11 = new javax.swing.JLabel();
jPanel9 = new javax.swing.JPanel();
txtC22Rentang1 = new javax.swing.JTextField();
txtC23Rentang1 = new javax.swing.JTextField();
txtC24Rentang1 = new javax.swing.JTextField();
txtC25Rentang1 = new javax.swing.JTextField();
txtC26Rentang1 = new javax.swing.JTextField();
```

```
jLabel184 = new javax.swing.JLabel();
txtC21Rentang2 = new javax.swing.JTextField();
jLabel187 = new javax.swing.JLabel();
jLabel112 = new javax.swing.JLabel();
jLabel188 = new javax.swing.JLabel();
jLabel189 = new javax.swing.JLabel();
jLabel190 = new javax.swing.JLabel();
jLabel191 = new javax.swing.JLabel();
jLabel192 = new javax.swing.JLabel();
jLabel193 = new javax.swing.JLabel();
jLabel194 = new javax.swing.JLabel();
txtC22Rentang2 = new javax.swing.JTextField();
txtC23Rentang2 = new javax.swing.JTextField();
txtC24Rentang2 = new javax.swing.JTextField();
txtC25Rentang2 = new javax.swing.JTextField();
txtC26Rentang2 = new javax.swing.JTextField();
txtC27Rentang2 = new javax.swing.JTextField();
jLabel196 = new javax.swing.JLabel();
jLabel197 = new javax.swing.JLabel();
jLabel198 = new javax.swing.JLabel();
jLabel199 = new javax.swing.JLabel();
jLabel1100 = new javax.swing.JLabel();
jLabel1101 = new javax.swing.JLabel();
txtC22BilanganFuzzy = new javax.swing.JTextField();
txtC23BilanganFuzzy = new javax.swing.JTextField();
txtC25BilanganFuzzy = new javax.swing.JTextField();
txtC24BilanganFuzzy = new javax.swing.JTextField();
txtC26BilanganFuzzy = new javax.swing.JTextField();
txtC27BilanganFuzzy = new javax.swing.JTextField();
txtC21BilanganFuzzy = new javax.swing.JTextField();
txtC23Nilai = new javax.swing.JTextField();
txtC24Nilai = new javax.swing.JTextField();
txtC25Nilai = new javax.swing.JTextField();
txtC26Nilai = new javax.swing.JTextField();
txtC27Nilai = new javax.swing.JTextField();
jLabel18 = new javax.swing.JLabel();
txtC22Nilai = new javax.swing.JTextField();
txtC21Nilai = new javax.swing.JTextField();
jLabel12 = new javax.swing.JLabel();
jPanel28 = new javax.swing.JPanel();
jLabel1102 = new javax.swing.JLabel();
jScrollPane3 = new javax.swing.JScrollPane();
txtC2Keterangan = new javax.swing.JTextArea();
btnC2Sunting = new javax.swing.JButton();
btnC2Simpan = new javax.swing.JButton();
jPanel15 = new javax.swing.JPanel();
jPanel118 = new javax.swing.JPanel();
jLabel151 = new javax.swing.JLabel();
jPanel119 = new javax.swing.JPanel();
txtC31Rentang1 = new javax.swing.JTextField();
jLabel154 = new javax.swing.JLabel();
jLabel156 = new javax.swing.JLabel();
jLabel159 = new javax.swing.JLabel();
txtC32Rentang1 = new javax.swing.JTextField();
txtC33Rentang1 = new javax.swing.JTextField();
txtC34Rentang1 = new javax.swing.JTextField();
```

```
txtC35Rentang1 = new javax.swing.JTextField();
jLabel65 = new javax.swing.JLabel();
jLabel66 = new javax.swing.JLabel();
jLabel67 = new javax.swing.JLabel();
jLabel68 = new javax.swing.JLabel();
txtC31BilanganFuzzy = new javax.swing.JTextField();
txtC32BilanganFuzzy = new javax.swing.JTextField();
txtC33BilanganFuzzy = new javax.swing.JTextField();
txtC34BilanganFuzzy = new javax.swing.JTextField();
txtC35BilanganFuzzy = new javax.swing.JTextField();
txtC31Nilai = new javax.swing.JTextField();
txtC32Nilai = new javax.swing.JTextField();
txtC33Nilai = new javax.swing.JTextField();
txtC34Nilai = new javax.swing.JTextField();
txtC35Nilai = new javax.swing.JTextField();
jLabel4 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
jPanel23 = new javax.swing.JPanel();
jLabel61 = new javax.swing.JLabel();
jScrollPane4 = new javax.swing.JScrollPane();
txtC3Keterangan = new javax.swing.JTextArea();
btnC3Sunting = new javax.swing.JButton();
btnC3Simpan = new javax.swing.JButton();
jPanel8 = new javax.swing.JPanel();
jPanel20 = new javax.swing.JPanel();
jLabel62 = new javax.swing.JLabel();
jPanel24 = new javax.swing.JPanel();
jLabel27 = new javax.swing.JLabel();
jLabel14 = new javax.swing.JLabel();
jLabel35 = new javax.swing.JLabel();
txtC42Rentang1 = new javax.swing.JTextField();
txtC43Rentang1 = new javax.swing.JTextField();
jLabel36 = new javax.swing.JLabel();
jLabel37 = new javax.swing.JLabel();
txtC44Rentang1 = new javax.swing.JTextField();
jLabel38 = new javax.swing.JLabel();
txtC45Rentang2 = new javax.swing.JTextField();
txtC44Rentang2 = new javax.swing.JTextField();
txtC43Rentang2 = new javax.swing.JTextField();
txtC42Rentang2 = new javax.swing.JTextField();
txtC41Rentang2 = new javax.swing.JTextField();
jLabel28 = new javax.swing.JLabel();
jLabel41 = new javax.swing.JLabel();
jLabel42 = new javax.swing.JLabel();
jLabel43 = new javax.swing.JLabel();
txtC42BilanganFuzzy = new javax.swing.JTextField();
txtC41Nilai = new javax.swing.JTextField();
txtC42Nilai = new javax.swing.JTextField();
txtC43Nilai = new javax.swing.JTextField();
txtC44Nilai = new javax.swing.JTextField();
txtC45Nilai = new javax.swing.JTextField();
txtC43BilanganFuzzy = new javax.swing.JTextField();
txtC44BilanganFuzzy = new javax.swing.JTextField();
txtC45BilanganFuzzy = new javax.swing.JTextField();
txtC41BilanganFuzzy = new javax.swing.JTextField();
jLabel45 = new javax.swing.JLabel();
```

```

jLabel46 = new javax.swing.JLabel();
jLabel110 = new javax.swing.JLabel();
jLabel115 = new javax.swing.JLabel();
jPanel25 = new javax.swing.JPanel();
jLabel86 = new javax.swing.JLabel();
jScrollPane5 = new javax.swing.JScrollPane();
txtC4Keterangan = new javax.swing.JTextArea();
btnC4Sunting = new javax.swing.JButton();
btnC4Simpan = new javax.swing.JButton();
jPanel17 = new javax.swing.JPanel();
jPanel21 = new javax.swing.JPanel();
jLabel53 = new javax.swing.JLabel();
jPanel22 = new javax.swing.JPanel();
txtC51Rentang1 = new javax.swing.JTextField();
jLabel57 = new javax.swing.JLabel();
jLabel58 = new javax.swing.JLabel();
jLabel60 = new javax.swing.JLabel();
txtC51BilanganFuzzy = new javax.swing.JTextField();
txtC52Rentang1 = new javax.swing.JTextField();
txtC53Rentang1 = new javax.swing.JTextField();
txtC54Rentang1 = new javax.swing.JTextField();
txtC55Rentang1 = new javax.swing.JTextField();
jLabel72 = new javax.swing.JLabel();
jLabel73 = new javax.swing.JLabel();
jLabel74 = new javax.swing.JLabel();
jLabel75 = new javax.swing.JLabel();
txtC52BilanganFuzzy = new javax.swing.JTextField();
txtC53BilanganFuzzy = new javax.swing.JTextField();
txtC55BilanganFuzzy = new javax.swing.JTextField();
txtC54BilanganFuzzy = new javax.swing.JTextField();
jLabel17 = new javax.swing.JLabel();
txtC51Nilai = new javax.swing.JTextField();
jLabel44 = new javax.swing.JLabel();
txtC52Nilai = new javax.swing.JTextField();
txtC53Nilai = new javax.swing.JTextField();
txtC54Nilai = new javax.swing.JTextField();
txtC55Nilai = new javax.swing.JTextField();
jPanel26 = new javax.swing.JPanel();
jLabel85 = new javax.swing.JLabel();
jScrollPane7 = new javax.swing.JScrollPane();
txtC5Keterangan = new javax.swing.JTextArea();
btnC5Sunting = new javax.swing.JButton();
btnC5Simpan = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

setTitle("Bilangan Fuzzy");
setResizable(false);

jPanel14.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jLabel11.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

```



```

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel1.setText("BILANGAN FUZZY");

        javax.swing.GroupLayout jPanel4Layout = new
javax.swing.GroupLayout(jPanel4);
        jPanel4.setLayout(jPanel4Layout);
        jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addComponent(jLabel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addComponent(jLabel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        jPanel12.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

        jLabel5.setFont(new java.awt.Font("Arial", 0, 15)); //
NOI18N

jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel5.setText("Nilai Rata - Rata Raport");

        javax.swing.GroupLayout jPanel12Layout = new
javax.swing.GroupLayout(jPanel12);
        jPanel12.setLayout(jPanel12Layout);
        jPanel12Layout.setHorizontalGroup(

jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
            .addComponent(jLabel5,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        jPanel12Layout.setVerticalGroup(

jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
            .addComponent(jLabel5,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

```

```

        jPanel2.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));
        jPanel2.setPreferredSize(new java.awt.Dimension(434,
283));

        txtC12Rentang1.setEditable(false);
        txtC12Rentang1.setBackground(java.awt.Color.lightGray);

txtC12Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC12Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC12Rentang1KeyTyped(evt);
            }
        });

        txtC13Rentang1.setEditable(false);
        txtC13Rentang1.setBackground(java.awt.Color.lightGray);

txtC13Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC13Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC13Rentang1KeyTyped(evt);
            }
        });

        txtC14Rentang1.setEditable(false);
        txtC14Rentang1.setBackground(java.awt.Color.lightGray);

txtC14Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC14Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC14Rentang1KeyTyped(evt);
            }
        });

        txtC15Rentang1.setEditable(false);
        txtC15Rentang1.setBackground(java.awt.Color.lightGray);

txtC15Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC15Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC15Rentang1KeyTyped(evt);
            }
        });

        txtC16Rentang1.setEditable(false);
        txtC16Rentang1.setBackground(java.awt.Color.lightGray);

```

```

txtC16Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC16Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC16Rentang1KeyTyped(evt);
        }
    });

    jLabel25.setText("Rentang Awal");

    txtC11Rentang2.setEditable(false);
    txtC11Rentang2.setBackground(java.awt.Color.lightGray);

txtC11Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC11Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC11Rentang2KeyTyped(evt);
        }
    });

    jLabel26.setText("Rentang Akhir");

    jLabel6.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel6.setText("<=");

    jLabel18.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel18.setText("=");

    jLabel29.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel29.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel29.setText("-");

    jLabel30.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel30.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel30.setText("-");

    jLabel31.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

```

```

jLabel31.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel31.setText("-");

    jLabel32.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel32.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel32.setText("-");

    jLabel33.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel33.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel33.setText("-");

    jLabel34.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel34.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel34.setText(">=");

    txtC12Rentang2.setEditable(false);
    txtC12Rentang2.setBackground(java.awt.Color.lightGray);

txtC12Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC12Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC12Rentang2KeyTyped(evt);
        }
    });

    txtC13Rentang2.setEditable(false);
    txtC13Rentang2.setBackground(java.awt.Color.lightGray);

txtC13Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC13Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC13Rentang2KeyTyped(evt);
        }
    });

    txtC14Rentang2.setEditable(false);
    txtC14Rentang2.setBackground(java.awt.Color.lightGray);

txtC14Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);

```

```

        txtC14Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC14Rentang2KeyTyped(evt);
            }
        });

        txtC15Rentang2.setEditable(false);
        txtC15Rentang2.setBackground(java.awt.Color.lightGray);

txtC15Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC15Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC15Rentang2KeyTyped(evt);
            }
        });

        txtC16Rentang2.setEditable(false);
        txtC16Rentang2.setBackground(java.awt.Color.lightGray);

txtC16Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC16Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC16Rentang2KeyTyped(evt);
            }
        });

        txtC17Rentang2.setEditable(false);
        txtC17Rentang2.setBackground(java.awt.Color.lightGray);

txtC17Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC17Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC17Rentang2KeyTyped(evt);
            }
        });

        jLabel19.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel19.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel19.setText("=");

        jLabel20.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel20.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel20.setText("=");

```

```

        jLabel22.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel22.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel22.setText("=");

        jLabel21.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel21.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel21.setText("=");

        jLabel23.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel23.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel23.setText("=");

        jLabel24.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel24.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel24.setText("=");

        txtC12BilanganFuzzy.setEditable(false);

txtC12BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC12BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC12BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC12BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC13BilanganFuzzy.setEditable(false);

txtC13BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC13BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC13BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC13BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC15BilanganFuzzy.setEditable(false);

txtC15BilanganFuzzy.setBackground(java.awt.Color.lightGray);

```

```

txtC15BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
txtC15BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC15BilanganFuzzyKeyTyped(evt);
    }
});

txtC14BilanganFuzzy.setEditable(false);

txtC14BilanganFuzzy.setBackground(java.awt.Color.lightGray);
txtC14BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
txtC14BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC14BilanganFuzzyKeyTyped(evt);
    }
});

txtC16BilanganFuzzy.setEditable(false);

txtC16BilanganFuzzy.setBackground(java.awt.Color.lightGray);
txtC16BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
txtC16BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC16BilanganFuzzyKeyTyped(evt);
    }
});

txtC11BilanganFuzzy.setEditable(false);

txtC11BilanganFuzzy.setBackground(java.awt.Color.lightGray);
txtC11BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
txtC11BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC11BilanganFuzzyKeyTyped(evt);
    }
});

txtC11Nilai.setEditable(false);
txtC11Nilai.setBackground(java.awt.Color.lightGray);

txtC11Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC11Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC11NilaiKeyTyped(evt);
    }
});

```

```

        txtC12Nilai.setEditable(false);
        txtC12Nilai.setBackground(java.awt.Color.lightGray);

txtC12Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC12Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC12NilaiKeyTyped(evt);
    }
});

        txtC13Nilai.setEditable(false);
        txtC13Nilai.setBackground(java.awt.Color.lightGray);

txtC13Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC13Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC13NilaiKeyTyped(evt);
    }
});

        txtC14Nilai.setEditable(false);
        txtC14Nilai.setBackground(java.awt.Color.lightGray);

txtC14Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC14Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC14NilaiKeyTyped(evt);
    }
});

        txtC15Nilai.setEditable(false);
        txtC15Nilai.setBackground(java.awt.Color.lightGray);

txtC15Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC15Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC15NilaiKeyTyped(evt);
    }
});

        txtC16Nilai.setEditable(false);
        txtC16Nilai.setBackground(java.awt.Color.lightGray);

txtC16Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC16Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC16NilaiKeyTyped(evt);
    }
});

        txtC17BilanganFuzzy.setEditable(false);

```



```

txtC17BilanganFuzzy.setBackground(java.awt.Color.lightGray);
    txtC17BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
    txtC17BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC17BilanganFuzzyKeyTyped(evt);
        }
    });

jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel3.setText("Bilangan Fuzzy");

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel7.setText("Nilai");

    txtC17Nilai.setEditable(false);
    txtC17Nilai.setBackground(java.awt.Color.lightGray);

txtC17Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
    txtC17Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC17NilaiKeyTyped(evt);
        }
    });

    javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addComponent(txtC16Rentang1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 59, Short.MAX_VALUE)
                    .addComponent(txtC15Rentang1,
javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(txtC14Rentang1,
javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(txtC13Rentang1,
javax.swing.GroupLayout.Alignment.TRAILING)

```

```

        .addComponent(txtC12Rentang1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.LEADING)
        .addComponent(jLabel6,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel29,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel30,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel31,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel32,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel33,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel34,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(jLabel25))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(txtC16Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jLabel23,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(txtC16BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

```

```

        .addComponent(txtC16Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup())

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup())
        .addComponent(txtC12Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jLabel19,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup())
        .addComponent(txtC11Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jLabel18,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup())
        .addComponent(txtC13Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jLabel20,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup())
        .addComponent(txtC14Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jLabel22,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup())

```

```

                .addComponent(txtC15Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(jLabel21,
javafx.swing.GroupLayout.PREFERRED_SIZE, 20,
javafx.swing.GroupLayout.PREFERRED_SIZE)))

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

        .addGroup(jPanel2Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.LEADING, false)

        .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(txtC11BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addComponent(txtC11Nilai))

        .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(txtC15BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addComponent(txtC15Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(txtC14BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addComponent(txtC14Nilai))

        .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(txtC13BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addComponent(txtC13Nilai))

        .addGroup(jPanel2Layout.createSequentialGroup()

```

```

                .addComponent(txtC12BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addComponent(txtC12Nilai)))

        .addGroup(jPanel2Layout.createSequentialGroup())

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING)

        .addGroup(jPanel2Layout.createSequentialGroup())
                .addComponent(txtC17Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(jLabel24,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addComponent(jLabel26))

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.TRAILING)

        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel2Layout.createSequentialGroup())

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(txtC17BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addComponent(txtC17Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(jPanel2Layout.createSequentialGroup())
                .addGap(4, 4, 4)
                .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addComponent(jLabel7,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))))))

```

```

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);
jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
.addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
.addComponent(jLabel25)
.addComponent(jLabel26)
.addComponent(jLabel3)
.addComponent(jLabel7))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
.addComponent(txtC11Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel6)
.addComponent(jLabel18)
.addComponent(txtC11BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(txtC11Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
.addComponent(txtC12Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel29)
.addComponent(txtC12Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel19)
.addComponent(txtC12BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC12Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(txtC13Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel30)
        .addComponent(txtC13Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel20)
        .addComponent(txtC13BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC13Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(txtC14Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel32)
        .addComponent(txtC14Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel22)
        .addComponent(txtC14BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC14Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txtC15Rentang1,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel131)
    .addComponent(txtC15Rentang2,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel121)
    .addComponent(txtC15BilanganFuzzy,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(txtC15Nilai,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txtC16Rentang1,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel133)
    .addComponent(txtC16Rentang2,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel123)
    .addComponent(txtC16BilanganFuzzy,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(txtC16Nilai,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel134)

```



```

        .addComponent(txtC17Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel124)
        .addComponent(txtC17BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC17Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javafx.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

    jPanel13.setBorder(new
javafx.swing.border.SoftBevelBorder(javafx.swing.border.BevelBorder.
RAISED));

    jLabel9.setText("Keterangan");

    txtC1Keterangan.setEditable(false);
    txtC1Keterangan.setColumns(20);
    txtC1Keterangan.setLineWrap(true);
    txtC1Keterangan.setRows(5);
    txtC1Keterangan.setText("1. Rentang Awal dan Rentang Akhir
yang digunakan antara 1 sampai dengan 99\n\n2. Maksimal panjang
karakter Bilangan Fuzzy 20 termasuk spasi\n\n3. Nilai Fuzzy yang
digunakan antara 0.00 sampai dengan 1.00, Gunakan titik (.)
sebagai koma");
    txtC1Keterangan.setWrapStyleWord(true);
    txtC1Keterangan.setCaretPosition(0);
    jScrollPane1.setViewportView(txtC1Keterangan);

    btnC1Sunting.setText("Sunting");
    btnC1Sunting.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnC1SuntingActionPerformed(evt);
        }
    });

    btnC1Simpan.setText("Simpan");
    btnC1Simpan.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnC1SimpanActionPerformed(evt);
        }
    });

```

```

        javax.swing.GroupLayout jPanel13Layout = new
javax.swing.GroupLayout(jPanel13);
        jPanel13.setLayout(jPanel13Layout);
        jPanel13Layout.setHorizontalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
            .addGroup(jPanel13Layout.createSequentialGroup()
                .addComponent(jScrollPane1,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addGroup(jPanel13Layout.createSequentialGroup()
                .addComponent(jLabel9)
                .addGap(0, 0, Short.MAX_VALUE))

            .addGroup(jPanel13Layout.createSequentialGroup()
                .addComponent(btnC1Sunting)
                .addGap(18, 18, 18)
                .addComponent(btnC1Simpan,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGap(0, 0, Short.MAX_VALUE))
        );
        jPanel13Layout.setVerticalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
            .addGroup(jPanel13Layout.createSequentialGroup()
                .addComponent(jLabel9)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                .addComponent(jScrollPane1,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

            .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(btnC1Sunting,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(btnC1Simpan,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(0, 0, Short.MAX_VALUE))
        );

        javax.swing.GroupLayout jPanel3Layout = new
javax.swing.GroupLayout(jPanel3);

```

```

        jPanel3.setLayout(jPanel3Layout);
        jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(jPanel2,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel113,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(jPanel112,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(jPanel112,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel2,
                    javax.swing.GroupLayout.Alignment.TRAILING,
                    javax.swing.GroupLayout.DEFAULT_SIZE, 282, Short.MAX_VALUE)
                .addComponent(jPanel113,
                    javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGap(0, 0, 0))
        );

        jTabbedPane2.addTab("NRR", jPanel3);

        jPanel27.setBorder(new
            javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));

        jLabel111.setFont(new java.awt.Font("Arial", 0, 15)); //
NOI18N

jLabel111.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel111.setText("Jumlah Penghasilan Orang Tua");

```

```

        javax.swing.GroupLayout jPanel27Layout = new
javax.swing.GroupLayout(jPanel27);
        jPanel27.setLayout(jPanel27Layout);
        jPanel27Layout.setHorizontalGroup(

jPanel27Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel11,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        jPanel27Layout.setVerticalGroup(

jPanel27Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel11,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        jPanel9.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

        txtC22Rentang1.setEditable(false);
        txtC22Rentang1.setBackground(java.awt.Color.lightGray);

txtC22Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC22Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC22Rentang1KeyTyped(evt);
            }
        });

        txtC23Rentang1.setEditable(false);
        txtC23Rentang1.setBackground(java.awt.Color.lightGray);

txtC23Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC23Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC23Rentang1KeyTyped(evt);
            }
        });

        txtC24Rentang1.setEditable(false);
        txtC24Rentang1.setBackground(java.awt.Color.lightGray);

txtC24Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC24Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {

```

```

        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC24Rentang1KeyTyped(evt);
        }
    });

    txtC25Rentang1.setEditable(false);
    txtC25Rentang1.setBackground(java.awt.Color.lightGray);

txtC25Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC25Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC25Rentang1KeyTyped(evt);
        }
    });

    txtC26Rentang1.setEditable(false);
    txtC26Rentang1.setBackground(java.awt.Color.lightGray);

txtC26Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC26Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC26Rentang1KeyTyped(evt);
        }
    });

    jLabel184.setText("Rentang Awal");

    txtC21Rentang2.setEditable(false);
    txtC21Rentang2.setBackground(java.awt.Color.lightGray);

txtC21Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC21Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC21Rentang2KeyTyped(evt);
        }
    });

    jLabel187.setText("Rentang Akhir");

    jLabel112.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel112.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel112.setText("<=");

    jLabel188.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

```

```

jLabel88.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel88.setText("=");

    jLabel89.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel89.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel89.setText("-");

    jLabel90.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel90.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel90.setText("-");

    jLabel91.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel91.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel91.setText("-");

    jLabel92.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel92.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel92.setText("-");

    jLabel93.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel93.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel93.setText("-");

    jLabel94.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel94.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel94.setText(">=");

    txtC22Rentang2.setEditable(false);
    txtC22Rentang2.setBackground(java.awt.Color.lightGray);

txtC22Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC22Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC22Rentang2KeyTyped(evt);
        }
    });

```

```

    });

    txtC23Rentang2.setEditable(false);
    txtC23Rentang2.setBackground(java.awt.Color.lightGray);

txtC23Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC23Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC23Rentang2KeyTyped(evt);
        }
    });

    txtC24Rentang2.setEditable(false);
    txtC24Rentang2.setBackground(java.awt.Color.lightGray);

txtC24Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC24Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC24Rentang2KeyTyped(evt);
        }
    });

    txtC25Rentang2.setEditable(false);
    txtC25Rentang2.setBackground(java.awt.Color.lightGray);

txtC25Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC25Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC25Rentang2KeyTyped(evt);
        }
    });

    txtC26Rentang2.setEditable(false);
    txtC26Rentang2.setBackground(java.awt.Color.lightGray);

txtC26Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC26Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC26Rentang2KeyTyped(evt);
        }
    });

    txtC27Rentang2.setEditable(false);
    txtC27Rentang2.setBackground(java.awt.Color.lightGray);

txtC27Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);

```

```

        txtC27Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC27Rentang2KeyTyped(evt);
            }
        });

        jLabel196.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel196.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel196.setText("=");

        jLabel197.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel197.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel197.setText("=");

        jLabel198.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel198.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel198.setText("=");

        jLabel199.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel199.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel199.setText("=");

        jLabel1100.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel1100.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
);
        jLabel1100.setText("=");

        jLabel1101.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel1101.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
);
        jLabel1101.setText("=");

        txtC22BilanganFuzzy.setEditable(false);

txtC22BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC22BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC22BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {

```



```

        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC22BilanganFuzzyKeyTyped(evt);
        }
    });

    txtC23BilanganFuzzy.setEditable(false);

    txtC23BilanganFuzzy.setBackground(java.awt.Color.lightGray);
    txtC23BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
    txtC23BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC23BilanganFuzzyKeyTyped(evt);
        }
    });

    txtC25BilanganFuzzy.setEditable(false);

    txtC25BilanganFuzzy.setBackground(java.awt.Color.lightGray);
    txtC25BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
    txtC25BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC25BilanganFuzzyKeyTyped(evt);
        }
    });

    txtC24BilanganFuzzy.setEditable(false);

    txtC24BilanganFuzzy.setBackground(java.awt.Color.lightGray);
    txtC24BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
    txtC24BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC24BilanganFuzzyKeyTyped(evt);
        }
    });

    txtC26BilanganFuzzy.setEditable(false);

    txtC26BilanganFuzzy.setBackground(java.awt.Color.lightGray);
    txtC26BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
    txtC26BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC26BilanganFuzzyKeyTyped(evt);
        }
    });

    txtC27BilanganFuzzy.setEditable(false);

    txtC27BilanganFuzzy.setBackground(java.awt.Color.lightGray);

```

```

        txtC27BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC27BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC27BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC21BilanganFuzzy.setEditable(false);

txtC21BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC21BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC21BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC21BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC23Nilai.setEditable(false);
        txtC23Nilai.setBackground(java.awt.Color.lightGray);

txtC23Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtC23Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC23NilaiKeyTyped(evt);
            }
        });

        txtC24Nilai.setEditable(false);
        txtC24Nilai.setBackground(java.awt.Color.lightGray);

txtC24Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtC24Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC24NilaiKeyTyped(evt);
            }
        });

        txtC25Nilai.setEditable(false);
        txtC25Nilai.setBackground(java.awt.Color.lightGray);

txtC25Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtC25Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC25NilaiKeyTyped(evt);
            }
        });

        txtC26Nilai.setEditable(false);
        txtC26Nilai.setBackground(java.awt.Color.lightGray);

```

```

txtC26Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC26Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC26NilaiKeyTyped(evt);
    }
});

txtC27Nilai.setEditable(false);
txtC27Nilai.setBackground(java.awt.Color.lightGray);

txtC27Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC27Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC27NilaiKeyTyped(evt);
    }
});

jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel8.setText("Bilangan Fuzzy");

txtC22Nilai.setEditable(false);
txtC22Nilai.setBackground(java.awt.Color.lightGray);

txtC22Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC22Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC22NilaiKeyTyped(evt);
    }
});

txtC21Nilai.setEditable(false);
txtC21Nilai.setBackground(java.awt.Color.lightGray);

txtC21Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC21Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC21NilaiKeyTyped(evt);
    }
});

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("Nilai");

javax.swing.GroupLayout jPanel9Layout = new
javax.swing.GroupLayout(jPanel9);
jPanel9.setLayout(jPanel9Layout);
jPanel9Layout.setHorizontalGroup(

```

```

jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel9Layout.createSequentialGroup()
        .addContainerGap()

        .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel9Layout.createSequentialGroup()

        .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(txtC26Rentang1,
                javax.swing.GroupLayout.Alignment.TRAILING,
                javax.swing.GroupLayout.DEFAULT_SIZE, 59, Short.MAX_VALUE)
            .addComponent(txtC25Rentang1,
                javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(txtC24Rentang1,
                javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(txtC23Rentang1,
                javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(txtC22Rentang1))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel112,
                javax.swing.GroupLayout.PREFERRED_SIZE, 30,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel189,
                javax.swing.GroupLayout.PREFERRED_SIZE, 30,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel190,
                javax.swing.GroupLayout.PREFERRED_SIZE, 30,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel191,
                javax.swing.GroupLayout.PREFERRED_SIZE, 30,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel192,
                javax.swing.GroupLayout.PREFERRED_SIZE, 30,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel193,
                javax.swing.GroupLayout.PREFERRED_SIZE, 30,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel194,
                javax.swing.GroupLayout.PREFERRED_SIZE, 30,
                javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addComponent(jLabel184))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

```

```

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(jPanel9Layout.createSequentialGroup())

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel9Layout.createSequentialGroup())
                .addComponent(txtC22Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel196,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel9Layout.createSequentialGroup())
                .addComponent(txtC21Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel188,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel9Layout.createSequentialGroup())
                .addComponent(txtC23Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel197,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel9Layout.createSequentialGroup())
                .addComponent(txtC24Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel198,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel9Layout.createSequentialGroup())

```

```

                .addComponent(txtC25Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(jLabel199,
javafx.swing.GroupLayout.PREFERRED_SIZE, 20,
javafx.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

        .addGroup(jPanel9Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.LEADING)

        .addGroup(jPanel9Layout.createSequentialGroup()
                .addComponent(txtC25BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addComponent(txtC25Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(jPanel9Layout.createSequentialGroup()
                .addComponent(txtC24BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addComponent(txtC24Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(jPanel9Layout.createSequentialGroup()
                .addComponent(txtC23BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addComponent(txtC23Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(jPanel9Layout.createSequentialGroup()
                .addComponent(txtC22BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

```

```

                .addComponent(txtC22Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(jPanel9Layout.createSequentialGroup())
                .addComponent(txtC21BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

                .addComponent(txtC21Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE)))

        .addGroup(jPanel9Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.TRAILING, false)
                .addComponent(txtC27Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addGroup(javafx.swing.GroupLayout.Alignment.LEADING,
jPanel9Layout.createSequentialGroup())
                .addComponent(txtC27Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(jLabel101,
javafx.swing.GroupLayout.PREFERRED_SIZE, 20,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(txtC27BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(javafx.swing.GroupLayout.Alignment.LEADING,
jPanel9Layout.createSequentialGroup())
                .addComponent(txtC26Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(jLabel100,
javafx.swing.GroupLayout.PREFERRED_SIZE, 20,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(txtC26BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
                .addComponent(txtC26Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel9Layout.createSequentialGroup()
                .addComponent(jLabel187)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel18,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
                .addComponent(jLabel12,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap(13, Short.MAX_VALUE))
        );
        jPanel9Layout.setVerticalGroup(

jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel9Layout.createSequentialGroup()
                .addContainerGap()

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(jLabel184)
                .addComponent(jLabel187)
                .addComponent(jLabel18)
                .addComponent(jLabel12))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(txtC21Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel112)
                .addComponent(jLabel188)
                .addComponent(txtC21BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtC21Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,

```



```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
    .addComponent(txtC22Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel189)
    .addComponent(txtC22Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel196)
    .addComponent(txtC22BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(txtC22Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
    .addComponent(txtC23Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel190)
    .addComponent(txtC23Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel197)
    .addComponent(txtC23BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(txtC23Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)

```

```

        .addComponent(txtC24Rentang1,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel192)
        .addComponent(txtC24Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel198)
        .addComponent(txtC24BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC24Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel9Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.BASELINE)
        .addComponent(txtC25Rentang1,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel191)
        .addComponent(txtC25Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel199)
        .addComponent(txtC25BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC25Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel9Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.BASELINE)
        .addComponent(txtC26Rentang1,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel193)
        .addComponent(txtC26Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE,

```

```

javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel1100)
        .addComponent(txtC26BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC26Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel9Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.BASELINE)
        .addComponent(jLabel194)
        .addComponent(txtC27Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel1101)
        .addComponent(txtC27BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC27Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javafx.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

    jPanel28.setBorder(new
javafx.swing.border.SoftBevelBorder(javafx.swing.border.BevelBorder.
RAISED));

    jLabel1102.setText("Keterangan");

    txtC2Keterangan.setEditable(false);
    txtC2Keterangan.setColumns(20);
    txtC2Keterangan.setLineWrap(true);
    txtC2Keterangan.setRows(5);
    txtC2Keterangan.setText("1. Rentang Awal dan Rentang Akhir
yang digunakan antara 1 sampai dengan 99999999\n\n2. Maksimal
panjang karakter Bilangan Fuzzy 20 termasuk spasi\n\n3. Nilai
Fuzzy yang digunakan antara 0.00 sampai dengan 1.00, Gunakan titik
(.) sebagai koma");
    txtC2Keterangan.setWrapStyleWord(true);
    txtC2Keterangan.setCaretPosition(0);
    jScrollPane3.setViewportView(txtC2Keterangan);

    btnC2Sunting.setText("Sunting");

```

```

        btnC2Sunting.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnC2SuntingActionPerformed(evt);
            }
        });

        btnC2Simpan.setText("Simpan");
        btnC2Simpan.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnC2SimpanActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel28Layout = new
javax.swing.GroupLayout(jPanel28);
        jPanel28.setLayout(jPanel28Layout);
        jPanel28Layout.setHorizontalGroup(

jPanel28Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
            .addGroup(jPanel28Layout.createSequentialGroup()
                .addGroup(jPanel28Layout.createParallelGroup()
                    .addContainerGap()

                .addGroup(jPanel28Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

                .addGroup(jPanel28Layout.createSequentialGroup()
                    .addComponent(jLabel102)
                    .addGap(0, 0, Short.MAX_VALUE))

                .addGroup(jPanel28Layout.createSequentialGroup()
                    .addComponent(btnC2Sunting)
                    .addGap(18, 18, 18)
                    .addComponent(btnC2Simpan,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addComponent(jScrollPane3,
javax.swing.GroupLayout.DEFAULT_SIZE, 192, Short.MAX_VALUE))
                    .addContainerGap()
                )
            );
        jPanel28Layout.setVerticalGroup(

jPanel28Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
            .addGroup(jPanel28Layout.createSequentialGroup()
                .addGroup(jPanel28Layout.createParallelGroup()
                    .addContainerGap()
                    .addComponent(jLabel102)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                    .addComponent(jScrollPane3,
javax.swing.GroupLayout.DEFAULT_SIZE, 183, Short.MAX_VALUE)

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel28Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
    .addComponent(btnC2Sunting,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(btnC2Simpan,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap()
);

javax.swing.GroupLayout jPanel6Layout = new
javax.swing.GroupLayout(jPanel6);
jPanel6.setLayout(jPanel6Layout);
jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addGroup(jPanel6Layout.createSequentialGroup()
        .addComponent(jPanel9,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jPanel28,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
        .addComponent(jPanel27,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
jPanel6Layout.setVerticalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addGroup(jPanel6Layout.createSequentialGroup()
        .addComponent(jPanel27,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)
    .addComponent(jPanel9,
javax.swing.GroupLayout.Alignment.TRAILING,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jPanel28,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addGap(0, 0, 0))
);

jTabbedPane2.addTab("JPO", jPanel6);

jPanel18.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jLabel51.setFont(new java.awt.Font("Arial", 0, 15)); //
NOI18N

jLabel51.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
jLabel51.setText("Jumlah Tanggungan Orang Tua");

javax.swing.GroupLayout jPanel18Layout = new
javax.swing.GroupLayout(jPanel18);
jPanel18.setLayout(jPanel18Layout);
jPanel18Layout.setHorizontalGroup(

jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
    .addComponent(jLabel51,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
jPanel18Layout.setVerticalGroup(

jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
    .addComponent(jLabel51,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);

jPanel19.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

txtC31Rentang1.setEditable(false);
txtC31Rentang1.setBackground(java.awt.Color.lightGray);

txtC31Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
txtC31Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC31Rentang1KeyTyped(evt);
    }
});

```

```

jLabel54.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);
    jLabel54.setText("Jumlah Tanggungan");

    jLabel56.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel56.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel56.setText("=");

    jLabel59.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel59.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel59.setText(">=");

    txtC32Rentang1.setEditable(false);
    txtC32Rentang1.setBackground(java.awt.Color.lightGray);

txtC32Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC32Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC32Rentang1KeyTyped(evt);
        }
    });

    txtC33Rentang1.setEditable(false);
    txtC33Rentang1.setBackground(java.awt.Color.lightGray);

txtC33Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC33Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC33Rentang1KeyTyped(evt);
        }
    });

    txtC34Rentang1.setEditable(false);
    txtC34Rentang1.setBackground(java.awt.Color.lightGray);

txtC34Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC34Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC34Rentang1KeyTyped(evt);
        }
    });

    txtC35Rentang1.setEditable(false);

```

```

        txtC35Rentang1.setBackground(java.awt.Color.lightGray);

txtC35Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC35Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC35Rentang1KeyTyped(evt);
            }
        });

        jLabel65.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel65.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel65.setText("=");

        jLabel66.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel66.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel66.setText("=");

        jLabel67.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel67.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel67.setText("=");

        jLabel68.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel68.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel68.setText("=");

        txtC31BilanganFuzzy.setEditable(false);

txtC31BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC31BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC31BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC31BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC32BilanganFuzzy.setEditable(false);

txtC32BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC32BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));

```



```

        txtC32BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC32BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC33BilanganFuzzy.setEditable(false);

txtC33BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC33BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC33BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC33BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC34BilanganFuzzy.setEditable(false);

txtC34BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC34BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC34BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC34BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC35BilanganFuzzy.setEditable(false);

txtC35BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC35BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC35BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC35BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC31Nilai.setEditable(false);
        txtC31Nilai.setBackground(java.awt.Color.lightGray);

txtC31Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        txtC31Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC31NilaiKeyTyped(evt);
            }
        });

        txtC32Nilai.setEditable(false);
        txtC32Nilai.setBackground(java.awt.Color.lightGray);

```

```

txtC32Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC32Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC32NilaiKeyTyped(evt);
    }
});

txtC33Nilai.setEditable(false);
txtC33Nilai.setBackground(java.awt.Color.lightGray);

txtC33Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC33Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC33NilaiKeyTyped(evt);
    }
});

txtC34Nilai.setEditable(false);
txtC34Nilai.setBackground(java.awt.Color.lightGray);

txtC34Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC34Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC34NilaiKeyTyped(evt);
    }
});

txtC35Nilai.setEditable(false);
txtC35Nilai.setBackground(java.awt.Color.lightGray);

txtC35Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC35Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC35NilaiKeyTyped(evt);
    }
});

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel4.setText("Bilangan Fuzzy");

jLabel13.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
;
jLabel13.setText("Nilai");

javax.swing.GroupLayout jPanel19Layout = new
javax.swing.GroupLayout(jPanel19);
jPanel19.setLayout(jPanel19Layout);
jPanel19Layout.setHorizontalGroup(

```

```

jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel19Layout.createSequentialGroup()
        .addContainerGap()

        .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(txtC31Rentang1,
                javax.swing.GroupLayout.PREFERRED_SIZE, 59,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(txtC32Rentang1,
                javax.swing.GroupLayout.PREFERRED_SIZE, 59,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(txtC33Rentang1,
                javax.swing.GroupLayout.PREFERRED_SIZE, 59,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(txtC34Rentang1,
                javax.swing.GroupLayout.PREFERRED_SIZE, 59,
                javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGroup(jPanel19Layout.createSequentialGroup()
                .addComponent(jLabel159,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 30,
                    javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addComponent(txtC35Rentang1,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 59,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel154,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 120,
                    javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel167,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 20,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel166,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 20,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel168,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 20,
                        javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jLabel165,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 20,
                            javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(jLabel156,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING, false)
        .addComponent(jLabel14,
javax.swing.GroupLayout.DEFAULT_SIZE, 150, Short.MAX_VALUE)
        .addComponent(txtC31BilanganFuzzy)
        .addComponent(txtC32BilanganFuzzy)
        .addComponent(txtC34BilanganFuzzy)
        .addComponent(txtC33BilanganFuzzy)
        .addComponent(txtC35BilanganFuzzy))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING, false)
        .addComponent(txtC31Nilai)
        .addComponent(txtC32Nilai)
        .addComponent(txtC33Nilai)
        .addComponent(txtC34Nilai)
        .addComponent(txtC35Nilai)
        .addComponent(jLabel113,
javax.swing.GroupLayout.DEFAULT_SIZE, 59, Short.MAX_VALUE))
        .addContainerGap(47, Short.MAX_VALUE)
    );
    jPanel19Layout.setVerticalGroup(

jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel19Layout.createSequentialGroup()
        .addContainerGap()

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(jLabel154)
        .addComponent(jLabel14)
        .addComponent(jLabel113))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(txtC31Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel156)

```

```

        .addComponent(txtC31BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC31Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(txtC32Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel65)
        .addComponent(txtC32BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC32Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(txtC33Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel66)
        .addComponent(txtC33BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC33Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(txtC34Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(jLabel67)
        .addComponent(txtC34BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC34Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(jLabel59)
        .addComponent(txtC35Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel68)
        .addComponent(txtC35BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC35Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(81, Short.MAX_VALUE)
    );

jPanel23.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jLabel61.setText("Keterangan");

txtC3Keterangan.setEditable(false);
txtC3Keterangan.setColumns(20);
txtC3Keterangan.setLineWrap(true);
txtC3Keterangan.setRows(5);
txtC3Keterangan.setText("1. Jumlah Tanggungan yang
digunakan antara 0 sampai dengan 9\n\n2. Maksimal panjang
karakter Bilangan Fuzzy 20 termasuk spasi\n\n3. Nilai Fuzzy yang
digunakan antara 0.00 sampai dengan 1.00, Gunakan titik (.)
sebagai koma");
txtC3Keterangan.setWrapStyleWord(true);
txtC3Keterangan.setCaretPosition(0);
jScrollPane4.setViewportView(txtC3Keterangan);

btnC3Sunting.setText("Sunting");
btnC3Sunting.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {

```

```

        btnC3SuntingActionPerformed(evt);
    }
});

    btnC3Simpan.setText("Simpan");
    btnC3Simpan.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnC3SimpanActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel23Layout = new
javax.swing.GroupLayout(jPanel23);
    jPanel23.setLayout(jPanel23Layout);
    jPanel23Layout.setHorizontalGroup(

jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
        .addGroup(jPanel23Layout.createSequentialGroup()
            .addGroup(jPanel23Layout.createParallelGroup()
                .addComponent(jScrollPane4,
javax.swing.GroupLayout.DEFAULT_SIZE, 192, Short.MAX_VALUE)

            .addGroup(jPanel23Layout.createSequentialGroup()
                .addComponent(jLabel61)
                .addGap(0, 0, Short.MAX_VALUE))

            .addGroup(jPanel23Layout.createSequentialGroup()
                .addComponent(btnC3Sunting)
                .addGap(18, 18, 18)
                .addComponent(btnC3Simpan,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGap(0, 0, Short.MAX_VALUE))
        );
    jPanel23Layout.setVerticalGroup(

jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
        .addGroup(jPanel23Layout.createSequentialGroup()
            .addGroup(jPanel23Layout.createParallelGroup()
                .addComponent(jScrollPane4,
javax.swing.GroupLayout.DEFAULT_SIZE, 183, Short.MAX_VALUE)

            .addGroup(jPanel23Layout.createSequentialGroup()
                .addComponent(jLabel61)
                .addGap(0, 0, Short.MAX_VALUE))
        );
    jPanel23Layout.setVerticalGroup(

```

```

.addGroup(jPanel23Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(btnC3Sunting,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(btnC3Simpan,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap())
);

javax.swing.GroupLayout jPanel5Layout = new
javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
                .addComponent(jPanel119,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addComponent(jPanel123,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addComponent(jPanel118,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
jPanel5Layout.setVerticalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
                .addComponent(jPanel118,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jPanel119,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jPanel123,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
        );

```



```

        jTabbedPane2.addTab("JTO", jPanel15);

        jPanel20.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

        jLabel62.setFont(new java.awt.Font("Arial", 0, 15)); //
NOI18N

jLabel62.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel62.setText("Jarak Tempuh ke Sekolah");

        javax.swing.GroupLayout jPanel20Layout = new
javax.swing.GroupLayout(jPanel20);
        jPanel20.setLayout(jPanel20Layout);
        jPanel20Layout.setHorizontalGroup(

jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
                .addComponent(jLabel62,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                );
        jPanel20Layout.setVerticalGroup(

jPanel20Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
                .addComponent(jLabel62,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                );

        jPanel24.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

        jLabel27.setText("Rentang Awal");

        jLabel14.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel14.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel14.setText("<=");

        jLabel35.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel35.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel35.setText("-");

        txtC42Rentang1.setEditable(false);
        txtC42Rentang1.setBackground(java.awt.Color.lightGray);

```

```

txtC42Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC42Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC42Rentang1KeyTyped(evt);
        }
    });

    txtC43Rentang1.setEditable(false);
    txtC43Rentang1.setBackground(java.awt.Color.lightGray);

txtC43Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC43Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC43Rentang1KeyTyped(evt);
        }
    });

    jLabel36.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel36.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel36.setText("-");

    jLabel37.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel37.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel37.setText("-");

    txtC44Rentang1.setEditable(false);
    txtC44Rentang1.setBackground(java.awt.Color.lightGray);

txtC44Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC44Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC44Rentang1KeyTyped(evt);
        }
    });

    jLabel38.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel38.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel38.setText(">=");

    txtC45Rentang2.setEditable(false);

```

```

        txtC45Rentang2.setBackground(java.awt.Color.lightGray);

txtC45Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC45Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC45Rentang2KeyTyped(evt);
            }
        });

        txtC44Rentang2.setEditable(false);
        txtC44Rentang2.setBackground(java.awt.Color.lightGray);

txtC44Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC44Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC44Rentang2KeyTyped(evt);
            }
        });

        txtC43Rentang2.setEditable(false);
        txtC43Rentang2.setBackground(java.awt.Color.lightGray);

txtC43Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC43Rentang2.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtC43Rentang2ActionPerformed(evt);
            }
        });
        txtC43Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC43Rentang2KeyTyped(evt);
            }
        });

        txtC42Rentang2.setEditable(false);
        txtC42Rentang2.setBackground(java.awt.Color.lightGray);

txtC42Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC42Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC42Rentang2KeyTyped(evt);
            }
        });

        txtC41Rentang2.setEditable(false);
        txtC41Rentang2.setBackground(java.awt.Color.lightGray);

```

```

txtC41Rentang2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC41Rentang2.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC41Rentang2KeyTyped(evt);
        }
    });

    jLabel28.setText("Rentang Akhir");

    jLabel41.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel41.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel41.setText("=");

    jLabel42.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel42.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel42.setText("=");

    jLabel43.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel43.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel43.setText("=");

    txtC42BilanganFuzzy.setEditable(false);

txtC42BilanganFuzzy.setBackground(java.awt.Color.lightGray);
    txtC42BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
    txtC42BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC42BilanganFuzzyKeyTyped(evt);
        }
    });

    txtC41Nilai.setEditable(false);
    txtC41Nilai.setBackground(java.awt.Color.lightGray);

txtC41Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
    txtC41Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC41NilaiKeyTyped(evt);
        }
    });

```

```

        txtC42Nilai.setEditable(false);
        txtC42Nilai.setBackground(java.awt.Color.lightGray);

txtC42Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC42Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC42NilaiKeyTyped(evt);
    }
});

        txtC43Nilai.setEditable(false);
        txtC43Nilai.setBackground(java.awt.Color.lightGray);

txtC43Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC43Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC43NilaiKeyTyped(evt);
    }
});

        txtC44Nilai.setEditable(false);
        txtC44Nilai.setBackground(java.awt.Color.lightGray);

txtC44Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC44Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC44NilaiKeyTyped(evt);
    }
});

        txtC45Nilai.setEditable(false);
        txtC45Nilai.setBackground(java.awt.Color.lightGray);

txtC45Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtC45Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtC45NilaiKeyTyped(evt);
    }
});

        txtC43BilanganFuzzy.setEditable(false);

txtC43BilanganFuzzy.setBackground(java.awt.Color.lightGray);
txtC43BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
txtC43BilanganFuzzy.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        txtC43BilanganFuzzyActionPerformed(evt);
    }
});

```

```

        txtC43BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC43BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC44BilanganFuzzy.setEditable(false);

txtC44BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC44BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC44BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC44BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC45BilanganFuzzy.setEditable(false);

txtC45BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC45BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC45BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC45BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC41BilanganFuzzy.setEditable(false);

txtC41BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC41BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC41BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC41BilanganFuzzyKeyTyped(evt);
            }
        });

        jLabel45.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel45.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel45.setText("=");

        jLabel46.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel46.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel46.setText("=");

```

```

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel10.setText("Nilai");

jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel15.setText("Bilangan Fuzzy");

    javax.swing.GroupLayout jPanel24Layout = new
javax.swing.GroupLayout(jPanel24);
    jPanel24.setLayout(jPanel24Layout);
    jPanel24Layout.setHorizontalGroup(

jPanel24Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
        .addGroup(jPanel24Layout.createSequentialGroup()
            .addGroup(jPanel24Layout.createParallelGroup(javax.swing.Grouplayo
ut.Alignment.TRAILING)

                .addGroup(jPanel24Layout.createParallelGroup(javax.swing.Grouplayo
ut.Alignment.LEADING)
                    .addComponent(jLabel127)

                .addGroup(jPanel24Layout.createSequentialGroup()

                .addGroup(jPanel24Layout.createParallelGroup(javax.swing.Grouplayo
ut.Alignment.LEADING, false)
                    .addComponent(txtC44Rentang1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtC42Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtC43Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addGroup(jPanel24Layout.createParallelGroup(javax.swing.Grouplayo
ut.Alignment.TRAILING)
                    .addComponent(jLabel136,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel135,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel137,
javax.swing.GroupLayout.Alignment.LEADING,

```

```

javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(jLabel138,
javax.swing.GroupLayout.Alignment.TRAILING))
        .addComponent(jLabel114))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING, false)

.addGroup(jPanel24Layout.createSequentialGroup())

.addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING, false)
        .addComponent(txtC41Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC43Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC44Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING, false)

.addGroup(jPanel24Layout.createSequentialGroup())
        .addComponent(jLabel141,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(txtC43BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
        .addComponent(txtC43Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel24Layout.createSequentialGroup())
        .addComponent(jLabel142,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

```



```

                .addComponent(txtC44BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
                .addComponent(txtC44Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel24Layout.createSequentialGroup()
                .addComponent(jLabel46,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(txtC41BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
                .addComponent(txtC41Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addGroup(jPanel24Layout.createSequentialGroup()
                .addComponent(txtC42Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                .addComponent(jLabel45,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                .addComponent(txtC42BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
                .addComponent(txtC42Nilai))

        .addGroup(jPanel24Layout.createSequentialGroup()
                .addComponent(jLabel28)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```

```

        .addComponent(jLabel15,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
        .addComponent(jLabel10,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel24Layout.createSequentialGroup()
        .addComponent(txtC45Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jLabel43,
javafx.swing.GroupLayout.PREFERRED_SIZE, 20,
javafx.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(txtC45BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE, 150,
javafx.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
        .addComponent(txtC45Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE, 59,
javafx.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(13, Short.MAX_VALUE)
    );
    jPanel24Layout.setVerticalGroup(

jPanel24Layout.createParallelGroup(javafx.swing.GroupLayout.Alignme
nt.LEADING)
        .addGroup(jPanel24Layout.createSequentialGroup()
        .addContainerGap()

.addGroup(jPanel24Layout.createParallelGroup(javafx.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(jLabel27)
        .addComponent(jLabel28)
        .addComponent(jLabel10)
        .addComponent(jLabel15,
javafx.swing.GroupLayout.PREFERRED_SIZE, 14,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel24Layout.createParallelGroup(javafx.swing.GroupLayo
ut.Alignment.BASELINE)

```

```

        .addComponent(txtC41BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel146)
        .addComponent(jLabel114)
        .addComponent(txtC41Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC41Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel24Layout.createParallelGroup(javafx.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(txtC42Rentang1,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel145)
        .addComponent(jLabel136)
        .addComponent(txtC42Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC42BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC42Nilai,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel24Layout.createParallelGroup(javafx.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(txtC43Rentang1,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel141)
        .addComponent(jLabel135)
        .addComponent(txtC43Rentang2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC43BilanganFuzzy,
javafx.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC43Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(txtC44Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel42)
        .addComponent(jLabel37)
        .addComponent(txtC44Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC44BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC44Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)
        .addComponent(jLabel38)

.addGroup(jPanel24Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(txtC45Rentang2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel43)
        .addComponent(txtC45BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC45Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))

```

```

    );

    jPanel125.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

    jLabel186.setText("Keterangan");

    txtC4Keterangan.setEditable(false);
    txtC4Keterangan.setColumns(20);
    txtC4Keterangan.setLineWrap(true);
    txtC4Keterangan.setRows(5);
    txtC4Keterangan.setText("1. Rentang Awal dan Rentang Akhir
yang digunakan antara 1 sampai dengan 99 dalam satuan kilometer
(km), Gunakan titik (.) sebagai koma\n\n2. Maksimal panjang
karakter Bilangan Fuzzy 20 termasuk spasi\n\n3. Nilai Fuzzy yang
digunakan antara 0.00 sampai dengan 1.00, Gunakan titik (.)
sebagai koma");
    txtC4Keterangan.setWrapStyleWord(true);
    txtC4Keterangan.setCaretPosition(0);
    jScrollPane5.setViewportView(txtC4Keterangan);

    btnC4Sunting.setText("Sunting");
    btnC4Sunting.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnC4SuntingActionPerformed(evt);
        }
    });

    btnC4Simpan.setText("Simpan");
    btnC4Simpan.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnC4SimpanActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel125Layout = new
javax.swing.GroupLayout(jPanel125);
    jPanel125.setLayout(jPanel125Layout);
    jPanel125Layout.setHorizontalGroup(

jPanel125Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
        .addGroup(jPanel125Layout.createSequentialGroup()
            .addGroup(jPanel125Layout.createParallelGroup()
                .addComponent(jScrollPane5,
javax.swing.GroupLayout.DEFAULT_SIZE, 192, Short.MAX_VALUE)

                .addGroup(jPanel125Layout.createSequentialGroup()

```

```

        .addComponent(jLabel186)
        .addGap(0, 0, Short.MAX_VALUE))

    .addGroup(jPanel25Layout.createSequentialGroup()
        .addComponent(btnC4Sunting)
        .addGap(18, 18, 18)
        .addComponent(btnC4Simpan,
    javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addContainerGap())
    );
    jPanel25Layout.setVerticalGroup(

jPanel25Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
        .addGroup(jPanel25Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel186)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
            .addComponent(jScrollPane5,
    javax.swing.GroupLayout.DEFAULT_SIZE, 183, Short.MAX_VALUE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

        .addGroup(jPanel25Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
            .addComponent(btnC4Sunting,
    javax.swing.GroupLayout.PREFERRED_SIZE, 45,
    javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(btnC4Simpan,
    javax.swing.GroupLayout.PREFERRED_SIZE, 45,
    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap())
    );

    javax.swing.GroupLayout jPanel8Layout = new
    javax.swing.GroupLayout(jPanel8);
    jPanel8.setLayout(jPanel8Layout);
    jPanel8Layout.setHorizontalGroup(

jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel8Layout.createSequentialGroup()
            .addComponent(jPanel24,
    javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
            .addComponent(jPanel25,
    javax.swing.GroupLayout.PREFERRED_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

        .addComponent(jPanel20,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    jPanel8Layout.setVerticalGroup(

jPanel8Layout.createParallelGroup(javafx.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel8Layout.createSequentialGroup()
            .addComponent(jPanel20,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)

            .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

            .addGroup(jPanel8Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.LEADING)
                .addComponent(jPanel24,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel25,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
            );

    jTabbedPane2.addTab("JTS", jPanel8);

    jPanel21.setBorder(new
javafx.swing.border.SoftBevelBorder(javafx.swing.border.BevelBorder.
RAISED));

    jLabel53.setFont(new java.awt.Font("Arial", 0, 15)); //
NOI18N

jLabel53.setHorizontalAlignment(javafx.swing.SwingConstants.CENTER)
;
    jLabel53.setText("Jumlah Kegiatan Organisasi");

    javafx.swing.GroupLayout jPanel21Layout = new
javafx.swing.GroupLayout(jPanel21);
    jPanel21.setLayout(jPanel21Layout);
    jPanel21Layout.setHorizontalGroup(

jPanel21Layout.createParallelGroup(javafx.swing.GroupLayout.Alignme
nt.LEADING)
        .addComponent(jLabel53,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
    jPanel21Layout.setVerticalGroup(

jPanel21Layout.createParallelGroup(javafx.swing.GroupLayout.Alignme
nt.LEADING)

```

```

        .addComponent(jLabel53,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    jPanel22.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

    txtC51Rentang1.setEditable(false);
    txtC51Rentang1.setBackground(java.awt.Color.lightGray);

txtC51Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtC51Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC51Rentang1KeyTyped(evt);
        }
    });

jLabel57.setHorizontalAlignment(javax.swing.SwingConstants.RIGHT);
jLabel57.setText("Jumlah Organisasi");

jLabel58.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel58.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
jLabel58.setText("=");

jLabel60.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel60.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
jLabel60.setText(">=");

    txtC51BilanganFuzzy.setEditable(false);

txtC51BilanganFuzzy.setBackground(java.awt.Color.lightGray);
    txtC51BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
    txtC51BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC51BilanganFuzzyKeyTyped(evt);
        }
    });

    txtC52Rentang1.setEditable(false);
    txtC52Rentang1.setBackground(java.awt.Color.lightGray);

txtC52Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);

```



```

        txtC52Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC52Rentang1KeyTyped(evt);
            }
        });

        txtC53Rentang1.setEditable(false);
        txtC53Rentang1.setBackground(java.awt.Color.lightGray);

txtC53Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC53Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC53Rentang1KeyTyped(evt);
            }
        });

        txtC54Rentang1.setEditable(false);
        txtC54Rentang1.setBackground(java.awt.Color.lightGray);

txtC54Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC54Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC54Rentang1KeyTyped(evt);
            }
        });

        txtC55Rentang1.setEditable(false);
        txtC55Rentang1.setBackground(java.awt.Color.lightGray);

txtC55Rentang1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtC55Rentang1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC55Rentang1KeyTyped(evt);
            }
        });

        jLabel72.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel72.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel72.setText("=");

        jLabel73.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N

jLabel73.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel73.setText("=");

```

```

        jLabel74.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N
jLabel74.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel74.setText("=");

        jLabel75.setFont(new java.awt.Font("Tahoma", 1, 18)); //
NOI18N
jLabel75.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel75.setText("=");

        txtC52BilanganFuzzy.setEditable(false);

txtC52BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC52BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC52BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC52BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC53BilanganFuzzy.setEditable(false);

txtC53BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC53BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC53BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC53BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC55BilanganFuzzy.setEditable(false);

txtC55BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC55BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtC55BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC55BilanganFuzzyKeyTyped(evt);
            }
        });

        txtC54BilanganFuzzy.setEditable(false);

txtC54BilanganFuzzy.setBackground(java.awt.Color.lightGray);
        txtC54BilanganFuzzy.setMargin(new java.awt.Insets(2, 5, 2,
5));

```

```

        txtC54BilanganFuzzy.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtC54BilanganFuzzyKeyTyped(evt);
            }
        });

jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel17.setText("Bilangan Fuzzy");

    txtC51Nilai.setEditable(false);
    txtC51Nilai.setBackground(java.awt.Color.lightGray);

txtC51Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
    txtC51Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC51NilaiKeyTyped(evt);
        }
    });

jLabel44.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel44.setText("Nilai");

    txtC52Nilai.setEditable(false);
    txtC52Nilai.setBackground(java.awt.Color.lightGray);

txtC52Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
    txtC52Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC52NilaiKeyTyped(evt);
        }
    });

    txtC53Nilai.setEditable(false);
    txtC53Nilai.setBackground(java.awt.Color.lightGray);

txtC53Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
    txtC53Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC53NilaiKeyTyped(evt);
        }
    });

    txtC54Nilai.setEditable(false);
    txtC54Nilai.setBackground(java.awt.Color.lightGray);

txtC54Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
    txtC54Nilai.addKeyListener(new java.awt.event.KeyAdapter()
{

```

```

        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC54NilaiKeyTyped(evt);
        }
    });

    txtC55Nilai.setEditable(false);
    txtC55Nilai.setBackground(java.awt.Color.lightGray);

    txtC55Nilai.setHorizontalAlignment(javax.swing.JTextField.CENTER);
    txtC55Nilai.addKeyListener(new java.awt.event.KeyAdapter()
    {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtC55NilaiKeyTyped(evt);
        }
    });

    javax.swing.GroupLayout jPanel22Layout = new
    javax.swing.GroupLayout(jPanel22);
    jPanel22.setLayout(jPanel22Layout);
    jPanel22Layout.setHorizontalGroup(

    jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel22Layout.createSequentialGroup()
            .addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addGroup(jPanel22Layout.createSequentialGroup()
                    .addGroup(jPanel22Layout.createSequentialGroup()
                        .addComponent(txtC51Rentang1,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 59,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(txtC52Rentang1,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 59,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(txtC53Rentang1,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 59,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(txtC54Rentang1,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 59,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                    )
                )
            )
            .addGroup(jPanel22Layout.createSequentialGroup()
                .addComponent(jLabel60,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 30,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(txtC55Rentang1,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 59,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel57,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 120,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
            )
        )
    );

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)
    .addComponent(jLabel174,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel173,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel175,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)
    .addComponent(jLabel172,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel158,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING, false)
    .addComponent(txtC51BilanganFuzzy)
    .addComponent(jLabel117,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 150, Short.MAX_VALUE)
    .addComponent(txtC53BilanganFuzzy)
    .addComponent(txtC55BilanganFuzzy)
    .addComponent(txtC54BilanganFuzzy)
    .addComponent(txtC52BilanganFuzzy))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)
    .addComponent(jLabel144,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(txtC51Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

```

```

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(txtC52Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC53Nilai,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(txtC54Nilai,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(txtC55Nilai,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(47, Short.MAX_VALUE))
);
jPanel22Layout.setVerticalGroup(

jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel22Layout.createSequentialGroup()
        .addContainerGap()

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel157)
        .addComponent(jLabel117)
        .addComponent(jLabel144))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(txtC51Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel158)
        .addComponent(txtC51BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC51Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
    .addComponent(txtC52Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel172)
    .addComponent(txtC52BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(txtC52Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
    .addComponent(txtC53Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel173)
    .addComponent(txtC53BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(txtC53Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
    .addComponent(txtC54Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel174)
    .addComponent(txtC54BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(txtC54Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,

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```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel22Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(jLabel60)
        .addComponent(txtC55Rentang1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel75)
        .addComponent(txtC55BilanganFuzzy,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtC55Nilai,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

    jPanel26.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

    jLabel85.setText("Keterangan");

    txtC5Keterangan.setEditable(false);
    txtC5Keterangan.setColumns(20);
    txtC5Keterangan.setLineWrap(true);
    txtC5Keterangan.setRows(5);
    txtC5Keterangan.setText("1. Jumlah Organisasi yang
digunakan antara 0 sampai dengan 9\n\n2. Maksimal panjang
karakter Bilangan Fuzzy 20 termasuk spasi\n\n3. Nilai Fuzzy yang
digunakan antara 0.00 sampai dengan 1.00, Gunakan titik (.)
sebagai koma");
    txtC5Keterangan.setWrapStyleWord(true);
    txtC5Keterangan.setCaretPosition(0);
    jScrollPane7.setViewportViewView(txtC5Keterangan);

    btnC5Sunting.setText("Sunting");
    btnC5Sunting.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnC5SuntingActionPerformed(evt);
        }
    });

    btnC5Simpan.setText("Simpan");

```



```

        btnC5Simpan.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnC5SimpanActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel26Layout = new
javax.swing.GroupLayout(jPanel26);
        jPanel26.setLayout(jPanel26Layout);
        jPanel26Layout.setHorizontalGroup(

jPanel26Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
            .addGroup(jPanel26Layout.createSequentialGroup()
                .addGroup(jPanel26Layout.createParallelGroup(javax.s
wing.GroupLayout.Alignment.LEADING)
                    .addComponent(jScrollPane7,
javax.swing.GroupLayout.DEFAULT_SIZE, 192, Short.MAX_VALUE)
                    .addGroup(jPanel26Layout.createSequentialGroup()
                        .addComponent(jLabel185)
                        .addGap(0, 0, Short.MAX_VALUE))
                    .addGroup(jPanel26Layout.createSequentialGroup()
                        .addComponent(btnC5Sunting)
                        .addGap(18, 18, 18)
                        .addComponent(btnC5Simpan,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addGap())
                .addContainerGap())
            .addGroup(jPanel26Layout.createParallelGroup(javax.s
wing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel26Layout.createSequentialGroup()
                    .addGroup(jPanel26Layout.createParallelGroup(j
avax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(btnC5Sunting,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(btnC5Simpan,
javafx.swing.GroupLayout.PREFERRED_SIZE, 45,
javafx.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap()
    );

    javafx.swing.GroupLayout jPanel7Layout = new
javafx.swing.GroupLayout(jPanel7);
    jPanel7.setLayout(jPanel7Layout);
    jPanel7Layout.setHorizontalGroup(

jPanel7Layout.createParallelGroup(javafx.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel21,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(jPanel7Layout.createSequentialGroup())
        .addComponent(jPanel22,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jPanel26,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
    );
    jPanel7Layout.setVerticalGroup(

jPanel7Layout.createParallelGroup(javafx.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel7Layout.createSequentialGroup())
        .addComponent(jPanel21,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel7Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.LEADING)
        .addComponent(jPanel22,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel26,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
    );

    jTabledPane2.addTab("JKO", jPanel7);

    javafx.swing.GroupLayout layout = new
javafx.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);

```

```

        layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel4,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jTabbedPane2)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jTabbedPane2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        );

        pack();
    }// </editor-fold>

    private void
btnC1SuntingActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        C1testBtnSunting = "1";
        this.C1aktif();
    }

    private void
btnC2SuntingActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        C2testBtnSunting = "1";
        this.C2aktif();
    }

    private void
btnC3SuntingActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        C3testBtnSunting = "1";
        this.C3aktif();
    }

    private void
btnC4SuntingActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        C4testBtnSunting = "1";
        this.C4aktif();
    }

```

```

    }

    private void
    btnC5SuntingActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        C5testBtnSunting = "1";
        this.C5aktif();
    }

    private void
    btnC1SimpanActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if (C1testBtnSunting.equals("0")) {
            JOptionPane.showMessageDialog(this, "Pilih sunting
            terlebih dahulu");
        } else {
            try {
                if (C1check()) {
                    Object[] options = {"Ya", "Tidak"};
                    int jwb = JOptionPane.showOptionDialog(this,
                    "Apakah yakin bilangan fuzzy nilai
                    rata - rata raport disunting?",
                    "Konfirmasi",
                    JOptionPane.YES_OPTION,
                    JOptionPane.QUESTION_MESSAGE,
                    null,
                    options,
                    options[0]);
                    if (jwb == 1) {
                        JOptionPane.showMessageDialog(this,
                        "Bilangan fuzzy nilai rata - rata raport batal disunting");
                    } else if (jwb == 0) {
                        String c11rentang2 =
                        txtC11Rentang2.getText();
                        String c11nilai = txtC11Nilai.getText();
                        String c11bilanganfuzzy =
                        txtC11BilanganFuzzy.getText();
                        String c12rentang1 =
                        txtC12Rentang1.getText();
                        String c12rentang2 =
                        txtC12Rentang2.getText();
                        String c12nilai = txtC12Nilai.getText();
                        String c12bilanganfuzzy =
                        txtC12BilanganFuzzy.getText();
                        String c13rentang1 =
                        txtC13Rentang1.getText();
                        String c13rentang2 =
                        txtC13Rentang2.getText();
                        String c13nilai = txtC13Nilai.getText();
                        String c13bilanganfuzzy =
                        txtC13BilanganFuzzy.getText();
                        String c14rentang1 =
                        txtC14Rentang1.getText();
                        String c14rentang2 =
                        txtC14Rentang2.getText();
                        String c14nilai = txtC14Nilai.getText();
                    }
                }
            } catch (Exception e) {
                JOptionPane.showMessageDialog(this, "Error: " + e.getMessage());
            }
        }
    }

```

```

        String c14bilanganfuzzy =
txtC14BilanganFuzzy.getText();
        String c15rentang1 =
txtC15Rentang1.getText();
        String c15rentang2 =
txtC15Rentang2.getText();
        String c15nilai = txtC15Nilai.getText();
        String c15bilanganfuzzy =
txtC15BilanganFuzzy.getText();
        String c16rentang1 =
txtC16Rentang1.getText();
        String c16rentang2 =
txtC16Rentang2.getText();
        String c16nilai = txtC16Nilai.getText();
        String c16bilanganfuzzy =
txtC16BilanganFuzzy.getText();
        String c17rentang2 =
txtC17Rentang2.getText();
        String c17nilai = txtC17Nilai.getText();
        String c17bilanganfuzzy =
txtC17BilanganFuzzy.getText();

        k.st = k.conn.createStatement();

        String sqlC1Simpan1 = "update fuzzy set
rentang2='" + c11rentang2 + "', nilai='" + c11nilai + "',
bilangan_fuzzy='" + c11bilanganfuzzy + "' where id_nilai='C11'";
        k.st.execute(sqlC1Simpan1);

        String sqlC1Simpan2 = "update fuzzy set
rentang1='" + c12rentang1 + "', rentang2='" + c12rentang2 + "',
nilai='" + c12nilai + "', bilangan_fuzzy='" + c12bilanganfuzzy +
"' where id_nilai='C12'";
        k.st.execute(sqlC1Simpan2);

        String sqlC1Simpan3 = "update fuzzy set
rentang1='" + c13rentang1 + "', rentang2='" + c13rentang2 + "',
nilai='" + c13nilai + "', bilangan_fuzzy='" + c13bilanganfuzzy +
"' where id_nilai='C13'";
        k.st.execute(sqlC1Simpan3);

        String sqlC1Simpan4 = "update fuzzy set
rentang1='" + c14rentang1 + "', rentang2='" + c14rentang2 + "',
nilai='" + c14nilai + "', bilangan_fuzzy='" + c14bilanganfuzzy +
"' where id_nilai='C14'";
        k.st.execute(sqlC1Simpan4);

        String sqlC1Simpan5 = "update fuzzy set
rentang1='" + c15rentang1 + "', rentang2='" + c15rentang2 + "',
nilai='" + c15nilai + "', bilangan_fuzzy='" + c15bilanganfuzzy +
"' where id_nilai='C15'";
        k.st.execute(sqlC1Simpan5);

        String sqlC1Simpan6 = "update fuzzy set
rentang1='" + c16rentang1 + "', rentang2='" + c16rentang2 + "',

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nilai='" + c16nilai + "', bilangan_fuzzy='" + c16bilanganfuzzy +
"' where id_nilai='C16'";
        k.st.execute(sqlC1Simpan6);

        String sqlC1Simpan7 = "update fuzzy set
rentang2='" + c17rentang2 + "', nilai='" + c17nilai + "',
bilangan_fuzzy='" + c17bilanganfuzzy + "' where id_nilai='C17'";
        k.st.execute(sqlC1Simpan7);

        k.st.close();

        CltestBtnSunting = "0";
        this.Clnonaktif();
        JOptionPane.showMessageDialog(this,
"Bilangan fuzzy nilai rata - rata raport berhasil disunting");
    } else {
        JOptionPane.showMessageDialog(this,
"Bilangan fuzzy nilai rata - rata raport batal disunting");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data
tidak boleh ada yg kosong");
        this.Clfocus();
    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Bilangan
fuzzy nilai rata - rata raport gagal disunting");

        Logger.getLogger(admin_fuzzy.class.getName()).log(Level.SEVERE,
null, ex);
    }
}

private void
btnC2SimpanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if (C2testBtnSunting.equals("0")) {
        JOptionPane.showMessageDialog(this, "Pilih sunting
terlebih dahulu");
    } else {
        try {
            if (C2check()) {
                Object[] options = {"Ya", "Tidak"};
                int jwb = JOptionPane.showOptionDialog(this,
"Apakah yakin bilangan fuzzy jumlah
penghasilan orang tua disunting?",
"Konfirmasi",
JOptionPane.YES_OPTION,
JOptionPane.QUESTION_MESSAGE,
null,
options,
options[0]);
                if (jwb == 1) {
                    JOptionPane.showMessageDialog(this,
"Bilangan fuzzy jumlah penghasilan orang tua batal disunting");
                }
            }
        }
    }
}

```

```

        } else if (jwb == 0) {
            String c21rentang2 =
txtC21Rentang2.getText();
            String c21nilai = txtC21Nilai.getText();
            String c21bilanganfuzzy =
txtC21BilanganFuzzy.getText();
            String c22rentang1 =
txtC22Rentang1.getText();
            String c22rentang2 =
txtC22Rentang2.getText();
            String c22nilai = txtC22Nilai.getText();
            String c22bilanganfuzzy =
txtC22BilanganFuzzy.getText();
            String c23rentang1 =
txtC23Rentang1.getText();
            String c23rentang2 =
txtC23Rentang2.getText();
            String c23nilai = txtC23Nilai.getText();
            String c23bilanganfuzzy =
txtC23BilanganFuzzy.getText();
            String c24rentang1 =
txtC24Rentang1.getText();
            String c24rentang2 =
txtC24Rentang2.getText();
            String c24nilai = txtC24Nilai.getText();
            String c24bilanganfuzzy =
txtC24BilanganFuzzy.getText();
            String c25rentang1 =
txtC25Rentang1.getText();
            String c25rentang2 =
txtC25Rentang2.getText();
            String c25nilai = txtC25Nilai.getText();
            String c25bilanganfuzzy =
txtC25BilanganFuzzy.getText();
            String c26rentang1 =
txtC26Rentang1.getText();
            String c26rentang2 =
txtC26Rentang2.getText();
            String c26nilai = txtC26Nilai.getText();
            String c26bilanganfuzzy =
txtC26BilanganFuzzy.getText();
            String c27rentang2 =
txtC27Rentang2.getText();
            String c27nilai = txtC27Nilai.getText();
            String c27bilanganfuzzy =
txtC27BilanganFuzzy.getText();

            k.st = k.conn.createStatement();

            String sqlC2Simpan1 = "update fuzzy set
rentang2='" + c21rentang2 + "', nilai='" + c21nilai + "',
bilangan_fuzzy='" + c21bilanganfuzzy + "' where id_nilai='C21'";
            k.st.execute(sqlC2Simpan1);

            String sqlC2Simpan2 = "update fuzzy set
rentang1='" + c22rentang1 + "', rentang2='" + c22rentang2 + "',

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nilai='" + c22nilai + "', bilangan_fuzzy='" + c22bilanganfuzzy +
"' where id_nilai='C22'";
        k.st.execute(sqlC2Simpan2);

        String sqlC2Simpan3 = "update fuzzy set
rentang1='" + c23rentang1 + "', rentang2='" + c23rentang2 + "',
nilai='" + c23nilai + "', bilangan_fuzzy='" + c23bilanganfuzzy +
"' where id_nilai='C23'";
        k.st.execute(sqlC2Simpan3);

        String sqlC2Simpan4 = "update fuzzy set
rentang1='" + c24rentang1 + "', rentang2='" + c24rentang2 + "',
nilai='" + c24nilai + "', bilangan_fuzzy='" + c24bilanganfuzzy +
"' where id_nilai='C24'";
        k.st.execute(sqlC2Simpan4);

        String sqlC2Simpan5 = "update fuzzy set
rentang1='" + c25rentang1 + "', rentang2='" + c25rentang2 + "',
nilai='" + c25nilai + "', bilangan_fuzzy='" + c25bilanganfuzzy +
"' where id_nilai='C25'";
        k.st.execute(sqlC2Simpan5);

        String sqlC2Simpan6 = "update fuzzy set
rentang1='" + c26rentang1 + "', rentang2='" + c26rentang2 + "',
nilai='" + c26nilai + "', bilangan_fuzzy='" + c26bilanganfuzzy +
"' where id_nilai='C26'";
        k.st.execute(sqlC2Simpan6);

        String sqlC2Simpan7 = "update fuzzy set
rentang2='" + c27rentang2 + "', nilai='" + c27nilai + "',
bilangan_fuzzy='" + c27bilanganfuzzy + "' where id_nilai='C27'";
        k.st.execute(sqlC2Simpan7);

        k.st.close();

        C2testBtnSunting = "0";
        this.C2nonaktif();
        JOptionPane.showMessageDialog(this,
"Bilangan fuzzy jumlah penghasilan orang tua berhasil disunting");
    } else {
        JOptionPane.showMessageDialog(this,
"Bilangan fuzzy jumlah penghasilan orang tua batal disunting");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data
tidak boleh ada yg kosong");
        this.C2focus();
    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Bilangan
fuzzy jumlah penghasilan orang tua gagal disunting");

        Logger.getLogger(admin_fuzzy.class.getName()).log(Level.SEVERE,
null, ex);
    }
}
}

```



```

    }

    private void
    btnC3SimpanActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if (C3testBtnSunting.equals("0")) {
            JOptionPane.showMessageDialog(this, "Pilih sunting
            terlebih dahulu");
        } else {
            try {
                if (C3check()) {
                    Object[] options = {"Ya", "Tidak"};
                    int jwb = JOptionPane.showOptionDialog(this,
                    "Apakah yakin bilangan fuzzy jumlah
                    tanggungan orang tua disunting?",
                    "Konfirmasi",
                    JOptionPane.YES_OPTION,
                    JOptionPane.QUESTION_MESSAGE,
                    null,
                    options,
                    options[0]);
                    if (jwb == 1) {
                        JOptionPane.showMessageDialog(this,
                        "Bilangan fuzzy jumlah tanggungan orang tua batal disunting");
                    } else if (jwb == 0) {
                        String c31rentang1 =
                        txtC31Rentang1.getText();
                        String c31nilai = txtC31Nilai.getText();
                        String c31bilanganfuzzy =
                        txtC31BilanganFuzzy.getText();
                        String c32rentang1 =
                        txtC32Rentang1.getText();
                        String c32nilai = txtC32Nilai.getText();
                        String c32bilanganfuzzy =
                        txtC32BilanganFuzzy.getText();
                        String c33rentang1 =
                        txtC33Rentang1.getText();
                        String c33nilai = txtC33Nilai.getText();
                        String c33bilanganfuzzy =
                        txtC33BilanganFuzzy.getText();
                        String c34rentang1 =
                        txtC34Rentang1.getText();
                        String c34nilai = txtC34Nilai.getText();
                        String c34bilanganfuzzy =
                        txtC34BilanganFuzzy.getText();
                        String c35rentang1 =
                        txtC35Rentang1.getText();
                        String c35nilai = txtC35Nilai.getText();
                        String c35bilanganfuzzy =
                        txtC35BilanganFuzzy.getText();

                        k.st = k.conn.createStatement();

                        String sqlC3Simpan1 = "update fuzzy set
                        rentang1='" + c31rentang1 + "', nilai='" + c31nilai + "',
                        bilangan_fuzzy='" + c31bilanganfuzzy + "' where id_nilai='C31'";

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```

        k.st.execute(sqlC3Simpan1);

        String sqlC3Simpan2 = "update fuzzy set
rentang1='" + c32rentang1 + "', nilai='" + c32nilai + "',
bilangan_fuzzy='" + c32bilanganfuzzy + "' where id_nilai='C32'";
        k.st.execute(sqlC3Simpan2);

        String sqlC3Simpan3 = "update fuzzy set
rentang1='" + c33rentang1 + "', nilai='" + c33nilai + "',
bilangan_fuzzy='" + c33bilanganfuzzy + "' where id_nilai='C33'";
        k.st.execute(sqlC3Simpan3);

        String sqlC3Simpan4 = "update fuzzy set
rentang1='" + c34rentang1 + "', nilai='" + c34nilai + "',
bilangan_fuzzy='" + c34bilanganfuzzy + "' where id_nilai='C34'";
        k.st.execute(sqlC3Simpan4);

        String sqlC3Simpan5 = "update fuzzy set
rentang1='" + c35rentang1 + "', nilai='" + c35nilai + "',
bilangan_fuzzy='" + c35bilanganfuzzy + "' where id_nilai='C35'";
        k.st.execute(sqlC3Simpan5);

        k.st.close();

        C3testBtnSunting = "0";
        this.C3nonaktif();
        JOptionPane.showMessageDialog(this,
"Bilangan fuzzy jumlah tanggungan orang tua berhasil disunting");
    } else {
        JOptionPane.showMessageDialog(this,
"Bilangan fuzzy jumlah tanggungan orang tua batal disunting");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data
tidak boleh ada yg kosong");
        this.C3focus();
    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Bilangan
fuzzy jumlah tanggungan orang tua gagal disunting");

        Logger.getLogger(admin_fuzzy.class.getName()).log(Level.SEVERE,
null, ex);
    }
    }
}

private void
btnC4SimpanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if (C4testBtnSunting.equals("0")) {
        JOptionPane.showMessageDialog(this, "Pilih sunting
terlebih dahulu");
    } else {
        try {
            if (C4check()) {

```

```

        Object[] options = {"Ya", "Tidak"};
        int jwb = JOptionPane.showOptionDialog(this,
            "Apakah yakin bilangan fuzzy jarak
tempuh ke sekolah disunting?",
            "Konfirmasi",
            JOptionPane.YES_OPTION,
            JOptionPane.QUESTION_MESSAGE,
            null,
            options,
            options[0]);
        if (jwb == 1) {
            JOptionPane.showMessageDialog(this,
                "Bilangan fuzzy jarak tempuh ke sekolah batal disunting");
        } else if (jwb == 0) {
            String c41rentang2 =
txtC41Rentang2.getText();
            String c41nilai = txtC41Nilai.getText();
            String c41bilanganfuzzy =
txtC41BilanganFuzzy.getText();
            String c42rentang1 =
txtC42Rentang1.getText();
            String c42rentang2 =
txtC42Rentang2.getText();
            String c42nilai = txtC42Nilai.getText();
            String c42bilanganfuzzy =
txtC42BilanganFuzzy.getText();
            String c43rentang1 =
txtC43Rentang1.getText();
            String c43rentang2 =
txtC43Rentang2.getText();
            String c43nilai = txtC43Nilai.getText();
            String c43bilanganfuzzy =
txtC43BilanganFuzzy.getText();
            String c44rentang1 =
txtC44Rentang1.getText();
            String c44rentang2 =
txtC44Rentang2.getText();
            String c44nilai = txtC44Nilai.getText();
            String c44bilanganfuzzy =
txtC44BilanganFuzzy.getText();
            String c45rentang2 =
txtC45Rentang2.getText();
            String c45nilai = txtC45Nilai.getText();
            String c45bilanganfuzzy =
txtC45BilanganFuzzy.getText();

            k.st = k.conn.createStatement();

            String sqlC4Simpan1 = "update fuzzy set
rentang2='" + c41rentang2 + "', nilai='" + c41nilai + "',
bilangan_fuzzy='" + c41bilanganfuzzy + "' where id_nilai='C41'";
            k.st.execute(sqlC4Simpan1);

            String sqlC4Simpan2 = "update fuzzy set
rentang1='" + c42rentang1 + "', rentang2='" + c42rentang2 + "',

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nilai='" + c42nilai + "', bilangan_fuzzy='" + c42bilanganfuzzy +
"' where id_nilai='C42';
        k.st.execute(sqlC4Simpan2);

        String sqlC4Simpan3 = "update fuzzy set
rentang1='" + c43rentang1 + "', rentang2='" + c43rentang2 + "',
nilai='" + c43nilai + "', bilangan_fuzzy='" + c43bilanganfuzzy +
"' where id_nilai='C43';
        k.st.execute(sqlC4Simpan3);

        String sqlC4Simpan4 = "update fuzzy set
rentang1='" + c44rentang1 + "', rentang2='" + c44rentang2 + "',
nilai='" + c44nilai + "', bilangan_fuzzy='" + c44bilanganfuzzy +
"' where id_nilai='C44';
        k.st.execute(sqlC4Simpan4);

        String sqlC4Simpan5 = "update fuzzy set
rentang2='" + c45rentang2 + "', nilai='" + c45nilai + "',
bilangan_fuzzy='" + c45bilanganfuzzy + "' where id_nilai='C45';
        k.st.execute(sqlC4Simpan5);

        k.st.close();

        C4testBtnSunting = "0";
        this.C4nonaktif();
        JOptionPane.showMessageDialog(this,
"Bilangan fuzzy jarak tempuh ke sekolah berhasil disunting");
    } else {
        JOptionPane.showMessageDialog(this,
"Bilangan fuzzy jarak tempuh ke sekolah batal disunting");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data
tidak boleh ada yg kosong");
        this.C4focus();
    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Bilangan
fuzzy jarak tempuh ke sekolah gagal disunting");

        Logger.getLogger(admin_fuzzy.class.getName()).log(Level.SEVERE,
null, ex);
    }
}

private void
btnC5SimpanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if (C5testBtnSunting.equals("0")) {
        JOptionPane.showMessageDialog(this, "Pilih sunting
terlebih dahulu");
    } else {
        try {
            if (C5check()) {
                Object[] options = {"Ya", "Tidak"};

```

```

        int jwb = JOptionPane.showOptionDialog(this,
        "Apakah yakin bilangan fuzzy jumlah
kegiatan organisasi disunting?",
        "Konfirmasi",
        JOptionPane.YES_OPTION,
        JOptionPane.QUESTION_MESSAGE,
        null,
        options,
        options[0]);
        if (jwb == 1) {
            JOptionPane.showMessageDialog(this,
"Bilangan fuzzy jumlah kegiatan organisasi batal disunting");
        } else if (jwb == 0) {
            String c51rentang1 =
txtC51Rentang1.getText();
            String c51nilai = txtC51Nilai.getText();
            String c51bilanganfuzzy =
txtC51BilanganFuzzy.getText();
            String c52rentang1 =
txtC52Rentang1.getText();
            String c52nilai = txtC52Nilai.getText();
            String c52bilanganfuzzy =
txtC52BilanganFuzzy.getText();
            String c53rentang1 =
txtC53Rentang1.getText();
            String c53nilai = txtC53Nilai.getText();
            String c53bilanganfuzzy =
txtC53BilanganFuzzy.getText();
            String c54rentang1 =
txtC54Rentang1.getText();
            String c54nilai = txtC54Nilai.getText();
            String c54bilanganfuzzy =
txtC54BilanganFuzzy.getText();
            String c55rentang1 =
txtC55Rentang1.getText();
            String c55nilai = txtC55Nilai.getText();
            String c55bilanganfuzzy =
txtC55BilanganFuzzy.getText();

            k.st = k.conn.createStatement();

            String sqlC5Simpan1 = "update fuzzy set
rentang1='" + c51rentang1 + "', nilai='" + c51nilai + "',
bilangan_fuzzy='" + c51bilanganfuzzy + "' where id_nilai='C51'";
            k.st.execute(sqlC5Simpan1);

            String sqlC5Simpan2 = "update fuzzy set
rentang1='" + c52rentang1 + "', nilai='" + c52nilai + "',
bilangan_fuzzy='" + c52bilanganfuzzy + "' where id_nilai='C52'";
            k.st.execute(sqlC5Simpan2);

            String sqlC5Simpan3 = "update fuzzy set
rentang1='" + c53rentang1 + "', nilai='" + c53nilai + "',
bilangan_fuzzy='" + c53bilanganfuzzy + "' where id_nilai='C53'";
            k.st.execute(sqlC5Simpan3);

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        String sqlC5Simpan4 = "update fuzzy set
rentang1='" + c54rentang1 + "', nilai='" + c54nilai + "',
bilangan_fuzzy='" + c54bilanganfuzzy + "' where id_nilai='C54'";
        k.st.execute(sqlC5Simpan4);

        String sqlC5Simpan5 = "update fuzzy set
rentang1='" + c55rentang1 + "', nilai='" + c55nilai + "',
bilangan_fuzzy='" + c55bilanganfuzzy + "' where id_nilai='C55'";
        k.st.execute(sqlC5Simpan5);

        k.st.close();

        C5testBtnSunting = "0";
        this.C5nonaktif();
        JOptionPane.showMessageDialog(this,
"Bilangan fuzzy jumlah kegiatan organisasi berhasil disunting");
    } else {
        JOptionPane.showMessageDialog(this,
"Bilangan fuzzy jumlah kegiatan organisasi batal disunting");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data
tidak boleh ada yg kosong");
        this.C5focus();
    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Bilangan
fuzzy jumlah kegiatan organisasi gagal disunting");

        Logger.getLogger(admin_fuzzy.class.getName()).log(Level.SEVERE,
null, ex);
    }
}

private void txtC11Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC11Rentang2.getText().length() >= 2) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtC11NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC11Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void
txtC11BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {

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```

        // TODO add your handling code here:
        if (txtC11BilanganFuzzy.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void txtC12Rentang1KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC12Rentang1.getText().length() >= 2) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC12Rentang2KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC12Rentang2.getText().length() >= 2) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC12NilaiKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtC12Nilai.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void
    txtC12BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtC12BilanganFuzzy.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void txtC13Rentang1KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC13Rentang1.getText().length() >= 2) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }
}

```

```

    private void txtC13Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
        // TODO add your handling code here:
        if (txtC13Rentang2.getText().length() >= 2) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC13NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
        // TODO add your handling code here:
        if (txtC13Nilai.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void
txtC13BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtC13BilanganFuzzy.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void txtC14Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
        // TODO add your handling code here:
        if (txtC14Rentang1.getText().length() >= 2) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC14Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
        // TODO add your handling code here:
        if (txtC14Rentang2.getText().length() >= 2) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC14NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
        // TODO add your handling code here:
        if (txtC14Nilai.getText().length() >= 4) {
            evt.consume();
        }
    }
}

```



```

        private void
txtC14BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC14BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

    private void txtC15Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC15Rentang1.getText().length() >= 2) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

    private void txtC15Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC15Rentang2.getText().length() >= 2) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

    private void txtC15NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC15Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

    private void
txtC15BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC15BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

    private void txtC16Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC16Rentang1.getText().length() >= 2) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

```

```

    }

    private void txtC16Rentang2KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC16Rentang2.getText().length() >= 2) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC16NilaiKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtC16Nilai.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void
    txtC16BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtC16BilanganFuzzy.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void txtC17Rentang2KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC17Rentang2.getText().length() >= 2) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC17NilaiKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtC17Nilai.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void
    txtC17BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtC17BilanganFuzzy.getText().length() >= 20) {
            evt.consume();
        }
    }
}

```

```

private void txtC21Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC21Rentang2.getText().length() >= 7) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtC21NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC21Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void
txtC21BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC21BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

private void txtC22Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC22Rentang1.getText().length() >= 7) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtC22Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC22Rentang2.getText().length() >= 7) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtC22NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC22Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

```

```

        private void
txtC22BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC22BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

    private void txtC23Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC23Rentang1.getText().length() >= 7) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

    private void txtC23Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC23Rentang2.getText().length() >= 7) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

    private void txtC23NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC23Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

    private void
txtC23BilanganFuzzyKeyTyped1(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC23BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

    private void txtC24Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC24Rentang1.getText().length() >= 7) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

```

```

    }

    private void txtC24Rentang2KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC24Rentang2.getText().length() >= 7) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC24NilaiKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtC24Nilai.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void
    txtC24BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtC24BilanganFuzzy.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void txtC25Rentang1KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC25Rentang1.getText().length() >= 7) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC25Rentang2KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC25Rentang2.getText().length() >= 7) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC25NilaiKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtC25Nilai.getText().length() >= 4) {
            evt.consume();
        }
    }

```

```

    }
}

private void
txtC25BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC25BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

private void txtC26Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC26Rentang1.getText().length() >= 7) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtC26Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC26Rentang2.getText().length() >= 7) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtC26NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC26Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void
txtC26BilanganFuzzyKeyTyped2(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC26BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

private void txtC27Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC27Rentang2.getText().length() >= 7) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {

```

```

        evt.consume();
    }
}

private void txtC27NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC27Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void
txtC27BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC27BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

private void txtC31Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC31Rentang1.getText().length() >= 1) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtC31NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC31Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void
txtC31BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC31BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

private void txtC32Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC32Rentang1.getText().length() >= 1) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

```

```

    }

    private void txtC32NilaiKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtC32Nilai.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void
    txtC32BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtC32BilanganFuzzy.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void txtC33Rentang1KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC33Rentang1.getText().length() >= 1) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC33NilaiKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtC33Nilai.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void
    txtC33BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtC33BilanganFuzzy.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void txtC34Rentang1KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC34Rentang1.getText().length() >= 1) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }
}

```



```

private void txtC34NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC34Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void
txtC34BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC34BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

private void txtC35Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC35Rentang1.getText().length() >= 1) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtC35NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC35Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void
txtC35BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC35BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

private void txtC51Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC51Rentang1.getText().length() >= 1) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtC51NilaiKeyTyped(java.awt.event.KeyEvent evt)
{

```

```

        // TODO add your handling code here:
        if (txtC51Nilai.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void
    txtC51BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtC51BilanganFuzzy.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void txtC52Rentang1KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC52Rentang1.getText().length() >= 1) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC52NilaiKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtC52Nilai.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void
    txtC52BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtC52BilanganFuzzy.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void txtC53Rentang1KeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtC53Rentang1.getText().length() >= 1) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtC53NilaiKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtC53Nilai.getText().length() >= 4) {

```

```

        evt.consume();
    }
}

private void
txtC53BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC53BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

private void txtC54Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC54Rentang1.getText().length() >= 1) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtC54NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC54Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void
txtC54BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC54BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

private void txtC55Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC55Rentang1.getText().length() >= 1) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtC55NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC55Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

```

```

    }

    private void
txtC55BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC55BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

    private void
txtC41BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC41BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

    private void
txtC45BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC45BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

    private void
txtC44BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC44BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

    private void
txtC43BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC43BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

    private void
txtC43BilanganFuzzyActionPerformed(java.awt.event.ActionEvent evt)
{
    // TODO add your handling code here:
}

    private void txtC45NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC45Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

```

```

private void txtC44NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC44Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void txtC43NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC43Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void txtC42NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC42Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void txtC41NilaiKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtC41Nilai.getText().length() >= 4) {
        evt.consume();
    }
}

private void
txtC42BilanganFuzzyKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtC42BilanganFuzzy.getText().length() >= 20) {
        evt.consume();
    }
}

private void txtC41Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC41Rentang2.getText().length() >= 4) {
        evt.consume();
    }
}

private void txtC42Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtC42Rentang2.getText().length() >= 4) {
        evt.consume();
    }
}

```

```

    private void txtC43Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
        // TODO add your handling code here:
        if (txtC43Rentang2.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void
txtC43Rentang2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtC44Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
        // TODO add your handling code here:
        if (txtC44Rentang2.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void txtC45Rentang2KeyTyped(java.awt.event.KeyEvent
evt) {
        // TODO add your handling code here:
        if (txtC45Rentang2.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void txtC44Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
        // TODO add your handling code here:
        if (txtC44Rentang1.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void txtC43Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
        // TODO add your handling code here:
        if (txtC43Rentang1.getText().length() >= 4) {
            evt.consume();
        }
    }

    private void txtC42Rentang1KeyTyped(java.awt.event.KeyEvent
evt) {
        // TODO add your handling code here:
        if (txtC42Rentang1.getText().length() >= 4) {
            evt.consume();
        }
    }

/**
 * @param args the command line arguments
 */

```

```

        public static void main(String args[]) {
            /* Set the Nimbus look and feel */
            //<editor-fold defaultstate="collapsed" desc=" Look and
            feel setting code (optional) ">
            /* If Nimbus (introduced in Java SE 6) is not available,
            stay with the default look and feel.
            * For details see
            http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/pla
            f.html
            */
            try {
                for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {
                    if ("Nimbus".equals(info.getName())) {

                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;

                }
            } catch (ClassNotFoundException ex) {

                java.util.logging.Logger.getLogger(admin_fuzzy.class.getName()).lo
                g(java.util.logging.Level.SEVERE, null, ex);
            } catch (InstantiationException ex) {

                java.util.logging.Logger.getLogger(admin_fuzzy.class.getName()).lo
                g(java.util.logging.Level.SEVERE, null, ex);
            } catch (IllegalAccessException ex) {

                java.util.logging.Logger.getLogger(admin_fuzzy.class.getName()).lo
                g(java.util.logging.Level.SEVERE, null, ex);
            } catch (javax.swing.UnsupportedLookAndFeelException ex) {

                java.util.logging.Logger.getLogger(admin_fuzzy.class.getName()).lo
                g(java.util.logging.Level.SEVERE, null, ex);
            }
            //</editor-fold>

            /* Create and display the dialog */
            java.awt.EventQueue.invokeLater(new Runnable() {
                public void run() {
                    admin_fuzzy dialog = new admin_fuzzy(new
                javax.swing.JFrame(), true);
                    dialog.addWindowListener(new
                java.awt.event.WindowAdapter() {
                        @Override
                        public void
                windowClosing(java.awt.event.WindowEvent e) {
                            System.exit(0);
                        }
                    });
                    dialog.setVisible(true);
                }
            });
            // Variables declaration - do not modify

```

```
private javax.swing.JButton btnC1Simpan;
private javax.swing.JButton btnC1Sunting;
private javax.swing.JButton btnC2Simpan;
private javax.swing.JButton btnC2Sunting;
private javax.swing.JButton btnC3Simpan;
private javax.swing.JButton btnC3Sunting;
private javax.swing.JButton btnC4Simpan;
private javax.swing.JButton btnC4Sunting;
private javax.swing.JButton btnC5Simpan;
private javax.swing.JButton btnC5Sunting;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel100;
private javax.swing.JLabel jLabel101;
private javax.swing.JLabel jLabel102;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel21;
private javax.swing.JLabel jLabel22;
private javax.swing.JLabel jLabel23;
private javax.swing.JLabel jLabel24;
private javax.swing.JLabel jLabel25;
private javax.swing.JLabel jLabel26;
private javax.swing.JLabel jLabel27;
private javax.swing.JLabel jLabel28;
private javax.swing.JLabel jLabel29;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel30;
private javax.swing.JLabel jLabel31;
private javax.swing.JLabel jLabel32;
private javax.swing.JLabel jLabel33;
private javax.swing.JLabel jLabel34;
private javax.swing.JLabel jLabel35;
private javax.swing.JLabel jLabel36;
private javax.swing.JLabel jLabel37;
private javax.swing.JLabel jLabel38;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel41;
private javax.swing.JLabel jLabel42;
private javax.swing.JLabel jLabel43;
private javax.swing.JLabel jLabel44;
private javax.swing.JLabel jLabel45;
private javax.swing.JLabel jLabel46;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel51;
private javax.swing.JLabel jLabel53;
private javax.swing.JLabel jLabel54;
private javax.swing.JLabel jLabel56;
```



```
private javax.swing.JLabel jLabel57;
private javax.swing.JLabel jLabel58;
private javax.swing.JLabel jLabel59;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel60;
private javax.swing.JLabel jLabel61;
private javax.swing.JLabel jLabel62;
private javax.swing.JLabel jLabel65;
private javax.swing.JLabel jLabel66;
private javax.swing.JLabel jLabel67;
private javax.swing.JLabel jLabel68;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel72;
private javax.swing.JLabel jLabel73;
private javax.swing.JLabel jLabel74;
private javax.swing.JLabel jLabel75;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel84;
private javax.swing.JLabel jLabel85;
private javax.swing.JLabel jLabel86;
private javax.swing.JLabel jLabel87;
private javax.swing.JLabel jLabel88;
private javax.swing.JLabel jLabel89;
private javax.swing.JLabel jLabel9;
private javax.swing.JLabel jLabel90;
private javax.swing.JLabel jLabel91;
private javax.swing.JLabel jLabel92;
private javax.swing.JLabel jLabel93;
private javax.swing.JLabel jLabel94;
private javax.swing.JLabel jLabel96;
private javax.swing.JLabel jLabel97;
private javax.swing.JLabel jLabel98;
private javax.swing.JLabel jLabel99;
private javax.swing.JPanel jPanel12;
private javax.swing.JPanel jPanel13;
private javax.swing.JPanel jPanel18;
private javax.swing.JPanel jPanel19;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel20;
private javax.swing.JPanel jPanel21;
private javax.swing.JPanel jPanel22;
private javax.swing.JPanel jPanel23;
private javax.swing.JPanel jPanel24;
private javax.swing.JPanel jPanel25;
private javax.swing.JPanel jPanel26;
private javax.swing.JPanel jPanel27;
private javax.swing.JPanel jPanel28;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JPanel jPanel6;
private javax.swing.JPanel jPanel7;
private javax.swing.JPanel jPanel8;
private javax.swing.JPanel jPanel9;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane3;
```

```
private javax.swing.JScrollPane jScrollPane4;
private javax.swing.JScrollPane jScrollPane5;
private javax.swing.JScrollPane jScrollPane7;
private javax.swing.JTabbedPane jTabbedPane2;
private javax.swing.JTextField txtC11BilanganFuzzy;
private javax.swing.JTextField txtC11Nilai;
private javax.swing.JTextField txtC11Rentang2;
private javax.swing.JTextField txtC12BilanganFuzzy;
private javax.swing.JTextField txtC12Nilai;
private javax.swing.JTextField txtC12Rentang1;
private javax.swing.JTextField txtC12Rentang2;
private javax.swing.JTextField txtC13BilanganFuzzy;
private javax.swing.JTextField txtC13Nilai;
private javax.swing.JTextField txtC13Rentang1;
private javax.swing.JTextField txtC13Rentang2;
private javax.swing.JTextField txtC14BilanganFuzzy;
private javax.swing.JTextField txtC14Nilai;
private javax.swing.JTextField txtC14Rentang1;
private javax.swing.JTextField txtC14Rentang2;
private javax.swing.JTextField txtC15BilanganFuzzy;
private javax.swing.JTextField txtC15Nilai;
private javax.swing.JTextField txtC15Rentang1;
private javax.swing.JTextField txtC15Rentang2;
private javax.swing.JTextField txtC16BilanganFuzzy;
private javax.swing.JTextField txtC16Nilai;
private javax.swing.JTextField txtC16Rentang1;
private javax.swing.JTextField txtC16Rentang2;
private javax.swing.JTextField txtC17BilanganFuzzy;
private javax.swing.JTextField txtC17Nilai;
private javax.swing.JTextField txtC17Rentang2;
private javax.swing.JTextArea txtC1Keterangan;
private javax.swing.JTextField txtC21BilanganFuzzy;
private javax.swing.JTextField txtC21Nilai;
private javax.swing.JTextField txtC21Rentang2;
private javax.swing.JTextField txtC22BilanganFuzzy;
private javax.swing.JTextField txtC22Nilai;
private javax.swing.JTextField txtC22Rentang1;
private javax.swing.JTextField txtC22Rentang2;
private javax.swing.JTextField txtC23BilanganFuzzy;
private javax.swing.JTextField txtC23Nilai;
private javax.swing.JTextField txtC23Rentang1;
private javax.swing.JTextField txtC23Rentang2;
private javax.swing.JTextField txtC24BilanganFuzzy;
private javax.swing.JTextField txtC24Nilai;
private javax.swing.JTextField txtC24Rentang1;
private javax.swing.JTextField txtC24Rentang2;
private javax.swing.JTextField txtC25BilanganFuzzy;
private javax.swing.JTextField txtC25Nilai;
private javax.swing.JTextField txtC25Rentang1;
private javax.swing.JTextField txtC25Rentang2;
private javax.swing.JTextField txtC26BilanganFuzzy;
private javax.swing.JTextField txtC26Nilai;
private javax.swing.JTextField txtC26Rentang1;
private javax.swing.JTextField txtC26Rentang2;
private javax.swing.JTextField txtC27BilanganFuzzy;
private javax.swing.JTextField txtC27Nilai;
```

```
private javax.swing.JTextField txtC27Rentang2;
private javax.swing.JTextArea txtC2Keterangan;
private javax.swing.JTextField txtC31BilanganFuzzy;
private javax.swing.JTextField txtC31Nilai;
private javax.swing.JTextField txtC31Rentang1;
private javax.swing.JTextField txtC32BilanganFuzzy;
private javax.swing.JTextField txtC32Nilai;
private javax.swing.JTextField txtC32Rentang1;
private javax.swing.JTextField txtC33BilanganFuzzy;
private javax.swing.JTextField txtC33Nilai;
private javax.swing.JTextField txtC33Rentang1;
private javax.swing.JTextField txtC34BilanganFuzzy;
private javax.swing.JTextField txtC34Nilai;
private javax.swing.JTextField txtC34Rentang1;
private javax.swing.JTextField txtC35BilanganFuzzy;
private javax.swing.JTextField txtC35Nilai;
private javax.swing.JTextField txtC35Rentang1;
private javax.swing.JTextArea txtC3Keterangan;
private javax.swing.JTextField txtC41BilanganFuzzy;
private javax.swing.JTextField txtC41Nilai;
private javax.swing.JTextField txtC41Rentang2;
private javax.swing.JTextField txtC42BilanganFuzzy;
private javax.swing.JTextField txtC42Nilai;
private javax.swing.JTextField txtC42Rentang1;
private javax.swing.JTextField txtC42Rentang2;
private javax.swing.JTextField txtC43BilanganFuzzy;
private javax.swing.JTextField txtC43Nilai;
private javax.swing.JTextField txtC43Rentang1;
private javax.swing.JTextField txtC43Rentang2;
private javax.swing.JTextField txtC44BilanganFuzzy;
private javax.swing.JTextField txtC44Nilai;
private javax.swing.JTextField txtC44Rentang1;
private javax.swing.JTextField txtC44Rentang2;
private javax.swing.JTextField txtC45BilanganFuzzy;
private javax.swing.JTextField txtC45Nilai;
private javax.swing.JTextField txtC45Rentang2;
private javax.swing.JTextArea txtC4Keterangan;
private javax.swing.JTextField txtC51BilanganFuzzy;
private javax.swing.JTextField txtC51Nilai;
private javax.swing.JTextField txtC51Rentang1;
private javax.swing.JTextField txtC52BilanganFuzzy;
private javax.swing.JTextField txtC52Nilai;
private javax.swing.JTextField txtC52Rentang1;
private javax.swing.JTextField txtC53BilanganFuzzy;
private javax.swing.JTextField txtC53Nilai;
private javax.swing.JTextField txtC53Rentang1;
private javax.swing.JTextField txtC54BilanganFuzzy;
private javax.swing.JTextField txtC54Nilai;
private javax.swing.JTextField txtC54Rentang1;
private javax.swing.JTextField txtC55BilanganFuzzy;
private javax.swing.JTextField txtC55Nilai;
private javax.swing.JTextField txtC55Rentang1;
private javax.swing.JTextArea txtC5Keterangan;
// End of variables declaration
```

```
}
```

## PACKED admin (admin\_tahun\_ajaran.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package admin;

import java.awt.Color;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JComboBox;
import javax.swing.JOptionPane;
import javax.swing.JTable;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.JTableHeader;
import javax.swing.table.TableCellRenderer;
import javax.swing.table.TableColumn;
import spkbeasiswafmadmnsaw.koneksi;
import spkbeasiswafmadmnsaw.tabel_header_render_tengah;
import spkbeasiswafmadmnsaw.tabel_isi_render_tengah;

/**
 *
 * @author dxdiaxz7z
 */
public class admin_tahun_ajaran extends javax.swing.JDialog {

    koneksi k;
    TableColumn column;
    public TableCellRenderer tengah = new
tabel_isi_render_tengah();
    JTable table = new JTable();
    JTableHeader header = table.getTableHeader();

    // hubungan antar class - mulai
    // inisiasi variable class diagram
    private static String id_th_ajaran = "";
    private static String nm_th_ajaran = "";

    // fungsi getter
    public String getIdThAjaran() {
        return id_th_ajaran;
    }

    public String getNmThAjaran() {
        return nm_th_ajaran;
    }

    // fungsi setter
    public void setIdnNmThAjaran(String nm_th_ajaran) {
        this.nm_th_ajaran = nm_th_ajaran;
    }

    try {
```

```

        String sqlIdThAjaran = "select id_th_ajaran from
tahun_ajaran where nm_th_ajaran='" + nm_th_ajaran + "'";
        k.st = k.conn.createStatement();
        k.rs = k.st.executeQuery(sqlIdThAjaran);

        while (k.rs.next()) {
            this.id_th_ajaran =
k.rs.getString("id_th_ajaran").toString();
        }
        k.rs.close();
        k.st.close();
    } catch (SQLException ex) {
    }
}

// fungsi tampilkan data ke combobox
public void IsiComboThAjaran(JComboBox nmKombo) {
    try {
        String sqlComboThAjaran = "select nm_th_ajaran from
tahun_ajaran";
        k.st = k.conn.createStatement();
        k.rs = k.st.executeQuery(sqlComboThAjaran);

        nmKombo.removeAllItems();

        while (k.rs.next()) {

nmKombo.addItem(k.rs.getString("nm_th_ajaran").toString());
        }
        k.rs.close();
        k.st.close();
    } catch (SQLException ex) {
    }
}

// hubungan antar class - selesai

/**
 * Creates new form admin_tahun_ajaran
 */
public admin_tahun_ajaran(java.awt.Frame parent, boolean
modal) {
    super(parent, modal);
    initComponents();
    setLocationRelativeTo(null);

    k = new koneksi();
    k.koneksi();
}

void refreshTambah() {
    txtTambahNamaTahunAjaran.setText(null);
}

void refreshEdit() {
    txtEditIdTahunAjaran.setText(null);
    txtEditNamaTahunAjaran.setText(null);
}

```

```

        txtEditNamaTahunAjaran.setEditable(false);
        txtEditNamaTahunAjaran.setBackground(Color.lightGray);
    }

    boolean checkTambah() {
        if (!txtTambahNamaTahunAjaran.getText().isEmpty()) {
            return true;
        } else {
            return false;
        }
    }

    void focusTambah() {
        if (txtTambahNamaTahunAjaran.getText().isEmpty()) {
            txtTambahNamaTahunAjaran.requestFocusInWindow();
        }
    }

    boolean checkEdit() {
        if (!txtEditIdTahunAjaran.getText().isEmpty()
            && !txtEditNamaTahunAjaran.getText().isEmpty()) {
            return true;
        } else {
            return false;
        }
    }

    void focusEdit() {
        if (txtEditIdTahunAjaran.getText().isEmpty()) {
            txtEditIdTahunAjaran.requestFocusInWindow();
        } else if (txtEditNamaTahunAjaran.getText().isEmpty()) {
            txtEditNamaTahunAjaran.requestFocusInWindow();
        }
    }

    // fungsi menampilkan tabel daftar tahun ajaran - mulai
    String sql = "SELECT id_th_ajaran,nm_th_ajaran FROM
tahun_ajaran";
    Object[][] list;
    Object[] header_tahun_ajaran = {"Id Th Ajaran", "Nama Tahun
Ajaran"};

    Object[][] getList() {
        try {
            k.st = k.conn.createStatement();
            k.rs = k.st.executeQuery(sql);

            k.rs.last();
            int rows = k.rs.getRow();
            k.rs.beforeFirst();
            list = new Object[rows][2];
            for (int i = 0; i < rows; i++) {
                k.rs.next();
                list[i][0] = k.rs.getString(1);
                list[i][1] = k.rs.getString(2);
            }
            k.st.close();
        }
    }

```

```

        k.rs.close();
    } catch (SQLException exception) {

Logger.getLogger(admin_tahun_ajaran.class.getName()).log(Level.SEVERE, null, exception);
    }
    return list;
}

final void TampilkanTabel() {
    DefaultTableModel tableModel = new
DefaultTableModel(getList(), header_tahun_ajaran);
    tblDaftarTahunAjaran.setModel(tableModel);
    // seting lebar
    column =
tblDaftarTahunAjaran.getColumnModel().getColumn(0);
    column.setPreferredWidth(20);
    column =
tblDaftarTahunAjaran.getColumnModel().getColumn(1);
    column.setPreferredWidth(90);
    // Seting rata tengah
    header.setDefaultRendererer(new
tabel_header_render_tengah(tblDaftarTahunAjaran));

tblDaftarTahunAjaran.getColumnModel().getColumn(0).setCellRendererer
(tengah);

tblDaftarTahunAjaran.getColumnModel().getColumn(1).setCellRendererer
(tengah);
}
// fungsi menampilkan tabel daftar tahun ajaran - selesai

/**
 * This method is called from within the constructor to
initialize the form.
 * WARNING: Do NOT modify this code. The content of this
method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated
Code">
private void initComponents() {

    jPanel7 = new javax.swing.JPanel();
    jLabel8 = new javax.swing.JLabel();
    jPanel23 = new javax.swing.JPanel();
    jPanel3 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    txtEditIdTahunAjaran = new javax.swing.JTextField();
    txtEditNamaTahunAjaran = new javax.swing.JTextField();
    btnSimpan = new javax.swing.JButton();
    jPanel8 = new javax.swing.JPanel();
    jLabel7 = new javax.swing.JLabel();
    txtTambahNamaTahunAjaran = new javax.swing.JTextField();

```

```

        btnTambah = new javax.swing.JButton();
        jPanel19 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        tblDaftarTahunAjaran = new javax.swing.JTable();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
        setTitle("Tahun Ajaran");
        setResizable(false);
        addWindowListener(new java.awt.event.WindowAdapter() {
            public void windowActivated(java.awt.event.WindowEvent
evt) {
                formWindowActivated(evt);
            }
        });

        jPanel7.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

        jLabel8.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jLabel8.setText("TAHUN AJARAN");

        javax.swing.GroupLayout jPanel7Layout = new
javax.swing.GroupLayout(jPanel7);
        jPanel7.setLayout(jPanel7Layout);
        jPanel7Layout.setHorizontalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addComponent(jLabel8,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        jPanel7Layout.setVerticalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addComponent(jLabel8,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        jPanel23.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder("Su
nting Tahun Ajaran"));

```



```

jLabel4.setText("Id Tahun Ajaran");
jLabel4.setPreferredSize(new java.awt.Dimension(80, 14));

jLabel5.setText("Tahun Ajaran");

txtEditIdTahunAjaran.setEditable(false);

txtEditIdTahunAjaran.setBackground(java.awt.Color.lightGray);
txtEditIdTahunAjaran.setMargin(new java.awt.Insets(2, 5,
2, 5));
txtEditIdTahunAjaran.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        txtEditIdTahunAjaranActionPerformed(evt);
    }
});
txtEditIdTahunAjaran.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtEditIdTahunAjaranKeyTyped(evt);
    }
});

txtEditNamaTahunAjaran.setEditable(false);

txtEditNamaTahunAjaran.setBackground(java.awt.Color.lightGray);
txtEditNamaTahunAjaran.setMargin(new java.awt.Insets(2, 5,
2, 5));
txtEditNamaTahunAjaran.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        txtEditNamaTahunAjaranKeyPressed(evt);
    }
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtEditNamaTahunAjaranKeyTyped(evt);
    }
});

btnSimpan.setText("Simpan");
btnSimpan.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnSimpanActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel3Layout = new
javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()

```

```

        .addContainerGap()

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.LEADING, false)
            .addComponent(jLabel5,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel4,
javax.swing.GroupLayout.DEFAULT_SIZE, 90, Short.MAX_VALUE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.LEADING)

        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(txtEditIdTahunAjaran,
javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 121, Short.MAX_VALUE))

        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(txtEditNamaTahunAjaran)
            .addContainerGap()))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(btnSimpan,
javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap())
        );
        jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
            .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(txtEditIdTahunAjaran,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

```

```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel15)
        .addComponent(txtEditNamaTahunAjaran,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(btnSimpan)

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );

jPanel8.setBorder(javax.swing.BorderFactory.createTitledBorder("Tambah Tahun Ajaran"));

        jLabel7.setText("Tahun Ajaran");

        txtTambahNamaTahunAjaran.setMargin(new java.awt.Insets(2,
5, 2, 5));
        txtTambahNamaTahunAjaran.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtTambahNamaTahunAjaranKeyTyped(evt);
            }
        });

        btnTambah.setText("Tambah");
        btnTambah.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnTambahActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel8Layout = new
javax.swing.GroupLayout(jPanel8);
        jPanel8.setLayout(jPanel8Layout);
        jPanel8Layout.setHorizontalGroup(

jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel8Layout.createSequentialGroup()
            .addComponent(jPanel8Layout.createSequentialGroup()

.addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel8Layout.createSequentialGroup()
            .addComponent(jPanel8Layout.createSequentialGroup()

```

```

        .addComponent(jLabel7,
javafx.swing.GroupLayout.PREFERRED_SIZE, 90,
javafx.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

        .addComponent(txtTambahNamaTahunAjaran)

.addGroup(jPanel8Layout.createSequentialGroup()
        .addGap(0, 0, Short.MAX_VALUE)
        .addComponent(btnTambah,
javafx.swing.GroupLayout.PREFERRED_SIZE, 80,
javafx.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap())
);
jPanel8Layout.setVerticalGroup(

jPanel8Layout.createParallelGroup(javafx.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel8Layout.createSequentialGroup()
        .addContainerGap())

.addGroup(jPanel8Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.BASELINE)
        .addComponent(jLabel7)
        .addComponent(txtTambahNamaTahunAjaran,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
        .addComponent(btnTambah)

.addContainerGap(javafx.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
);

javafx.swing.GroupLayout jPanel23Layout = new
javafx.swing.GroupLayout(jPanel23);
jPanel23.setLayout(jPanel23Layout);
jPanel23Layout.setHorizontalGroup(

jPanel23Layout.createParallelGroup(javafx.swing.GroupLayout.Alignme
nt.LEADING)
        .addComponent(jPanel3,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel8,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
jPanel23Layout.setVerticalGroup(

jPanel23Layout.createParallelGroup(javafx.swing.GroupLayout.Alignme
nt.LEADING)

```

```

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel23Layout.createSequentialGroup()
        .addComponent(jPanel8,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jPanel3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );

    jPanel19.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(nul
l, "Daftar Tahun Ajaran", javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION));

    tblDaftarTahunAjaran.setModel(new
javax.swing.table.DefaultTableModel(
        new Object [][] {
            {},
            {},
            {},
            {}
        },
        new String [] {

        }
    ));
    tblDaftarTahunAjaran.addMouseListener(new
java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent
evt) {
            tblDaftarTahunAjaranMouseClicked(evt);
        }
    });
    jScrollPane1.setViewportViewView(tblDaftarTahunAjaran);

    javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jScrollPane1,
javax.swing.GroupLayout.DEFAULT_SIZE, 222, Short.MAX_VALUE)
    );
    jPanel2Layout.setVerticalGroup(

```

```

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
    );

    javax.swing.GroupLayout jPanel19Layout = new
javax.swing.GroupLayout(jPanel19);
    jPanel19.setLayout(jPanel19Layout);
    jPanel19Layout.setHorizontalGroup(

jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
    .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    jPanel19Layout.setVerticalGroup(

jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
    .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
    .addComponent(jPanel7,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addGroup(layout.createSequentialGroup())
        .addComponent(jPanel19,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jPanel23,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
    .addGroup(layout.createSequentialGroup())
        .addComponent(jPanel7,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING, false)
    .addComponent(jPanel23,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jPanel19,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

    pack();
} // </editor-fold>

private void
txtEditIdTahunAjaranActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
}

private void formWindowActivated(java.awt.event.WindowEvent
evt) {
    // TODO add your handling code here:
    this.TampilkanTabel();
}

private void
btnTambahActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        if (checkTambah()) {
            Object[] options = {"Ya", "Tidak"};
            int jwb = JOptionPane.showOptionDialog(this,
                "Apakah yakin tahun ajaran baru
disimpan?",
                "Konfirmasi",
                JOptionPane.YES_OPTION,
                JOptionPane.QUESTION_MESSAGE,
                null,
                options,
                options[0]);
            if (jwb == 1) {
                JOptionPane.showMessageDialog(this, "Tahun
ajaran baru batal disimpan");
            } else if (jwb == 0) {
                String lc_nm_th_ajaran =
txtTambahNamaTahunAjaran.getText();

                k.st = k.conn.createStatement();
                String sqltambah = "insert into tahun_ajaran
(nm_th_ajaran) "

```

```

        + "values('" + lc_nm_th_ajaran + "')";
        k.st.execute(sqltambah);
        k.st.close();

        JOptionPane.showMessageDialog(this, "Tahun
ajaran " + lc_nm_th_ajaran + " Berhasil disimpan");
        this.refreshTambah();
    } else {
        JOptionPane.showMessageDialog(this, "Tahun
ajaran baru batal disimpan");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data tidak
boleh ada yg kosong");
        this.focusTambah();
    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Tahun ajaran baru
gagal disimpan");

        Logger.getLogger(admin_user_tambah.class.getName()).log(Level.SEVERE, null, ex);
    }
}

private void
tblDaftarTahunAjaranMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    int row = tblDaftarTahunAjaran.getSelectedRow();

    txtEditIdTahunAjaran.setText(tblDaftarTahunAjaran.getValueAt(row,
0).toString());

    txtEditNamaTahunAjaran.setText(tblDaftarTahunAjaran.getValueAt(row
, 1).toString());
    txtEditNamaTahunAjaran.setEditable(true);
    txtEditNamaTahunAjaran.setBackground(Color.white);
}

private void
txtTambahNamaTahunAjaranKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtTambahNamaTahunAjaran.getText().length() >= 20) {
        evt.consume();
    }
}

private void
txtEditIdTahunAjaranKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtEditIdTahunAjaran.getText().length() >= 4) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

```



```

    }

    private void
    txtEditNamaTahunAjaranKeyPressed(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void
    txtEditNamaTahunAjaranKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtEditNamaTahunAjaran.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void
    btnSimpanActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        try {
            if (checkEdit()) {
                Object[] options = {"Ya", "Tidak"};
                int jwb = JOptionPane.showOptionDialog(this,
                    "Apakah yakin tahun ajaran disunting?",
                    "Konfirmasi",
                    JOptionPane.YES_OPTION,
                    JOptionPane.QUESTION_MESSAGE,
                    null,
                    options,
                    options[0]);
                if (jwb == 1) {
                    JOptionPane.showMessageDialog(this, "Tahun
ajaran batal disunting");
                } else if (jwb == 0) {
                    String lc_id_th_ajaran =
txtEditIdTahunAjaran.getText();
                    String lc_nm_th_ajaran =
txtEditNamaTahunAjaran.getText();

                    k.st = k.conn.createStatement();
                    String sqledit = "update tahun_ajaran set
nm_th_ajaran='" + lc_nm_th_ajaran + "' where id_th_ajaran='" +
lc_id_th_ajaran + "'";
                    k.st.execute(sqledit);
                    k.st.close();

                    refreshEdit();
                    JOptionPane.showMessageDialog(this, "Tahun
ajaran " + lc_nm_th_ajaran + " Berhasil disunting");
                } else {
                    JOptionPane.showMessageDialog(this, "Tahun
ajaran batal disunting");
                }
            } else {
                JOptionPane.showMessageDialog(this, "Data tidak
boleh ada yg kosong");
                this.focusEdit();
            }
        }
    }

```

```

    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Tahun ajaran
gagal disunting");

Logger.getLogger(admin_user_edit.class.getName()).log(Level.SEVERE
, null, ex);
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(admin_tahun_ajaran.class.getNam
e()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(admin_tahun_ajaran.class.getNam
e()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(admin_tahun_ajaran.class.getNam
e()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(admin_tahun_ajaran.class.getNam
e()).log(java.util.logging.Level.SEVERE, null, ex);
    }
}
//</editor-fold>

    /* Create and display the dialog */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            admin_tahun_ajaran dialog = new
admin_tahun_ajaran(new javax.swing.JFrame(), true);

```

```

        dialog.addWindowListener(new
java.awt.event.WindowAdapter() {
            @Override
            public void
windowClosing(java.awt.event.WindowEvent e) {
                System.exit(0);
            }
        });
        dialog.setVisible(true);
    }
});
}
// Variables declaration - do not modify
private javax.swing.JButton btnSimpan;
private javax.swing.JButton btnTambah;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel19;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel23;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel7;
private javax.swing.JPanel jPanel8;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable tblDaftarTahunAjaran;
private javax.swing.JTextField txtEditIdTahunAjaran;
private javax.swing.JTextField txtEditNamaTahunAjaran;
private javax.swing.JTextField txtTambahNamaTahunAjaran;
// End of variables declaration
}

```

## PACKED admin (admin\_tahun\_ajaran\_pilih.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package admin;

import java.util.HashMap;
import java.util.Map;
import javax.swing.JDialog;
import javax.swing.JOptionPane;
import net.sf.jasperreports.engine.JRException;
import net.sf.jasperreports.engine.JasperFillManager;
import net.sf.jasperreports.engine.JasperPrint;
import net.sf.jasperreports.engine.JasperReport;
import net.sf.jasperreports.engine.design.JasperDesign;
import net.sf.jasperreports.swing.JRViewer;
import spkbeasiswafmadmnsaw.koneksi;

/**
 *
 * @author dxdiaxz7z
 */
public class admin_tahun_ajaran_pilih extends javax.swing.JDialog
{
    koneksi k;
    admin_tahun_ajaran ath;
    JasperReport JasRep;
    JasperPrint JasPri;
    JasperDesign JasDes;
    Map<String, Object> param = new HashMap<String, Object>();

    /**
     * Creates new form admin_tahun_ajaran_pilih
     */
    public admin_tahun_ajaran_pilih(java.awt.Frame parent, boolean
modal) {
        super(parent, modal);
        initComponents();
        setLocationRelativeTo(null);

        k = new koneksi();
        k.koneksi();

        ath = new admin_tahun_ajaran(parent, modal);
        ath.IsiComboThAjaran(cboTahunAjaran);
    }

    /**
     * This method is called from within the constructor to
initialize the form.
     * WARNING: Do NOT modify this code. The content of this
method is always
     * regenerated by the Form Editor.

```

```

        */
        @SuppressWarnings("unchecked")
        // <editor-fold defaultstate="collapsed" desc="Generated
Code">
        private void initComponents() {

            jPanel2 = new javax.swing.JPanel();
            cboTahunAjaran = new javax.swing.JComboBox();
            btnPilihTahunAjaran = new javax.swing.JButton();

            setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CL
OSE);
            setTitle("Tahun Ajaran");

            jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Pi
lih Tahun Ajaran"));

            btnPilihTahunAjaran.setText("Pilih");
            btnPilihTahunAjaran.addActionListener(new
java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent
evt) {
                    btnPilihTahunAjaranActionPerformed(evt);
                }
            });

            javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
            jPanel2.setLayout(jPanel2Layout);
            jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(155, 155, 155)
                    .addComponent(cboTahunAjaran,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                    .addComponent(btnPilihTahunAjaran)
                    .addContainerGap(155, true))
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(155, 155, 155)
                    .addComponent(btnPilihTahunAjaran)
                    .addContainerGap(155, true))
            );
            jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(155, 155, 155)
                    .addComponent(cboTahunAjaran,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                    .addComponent(btnPilihTahunAjaran)
                    .addContainerGap(155, true))
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(155, 155, 155)
                    .addComponent(btnPilihTahunAjaran)
                    .addContainerGap(155, true))
            );
        }
    }
}

```

```

                .addComponent(cboTahunAjaran,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(btnPilihTahunAjaran))

.addContainerGap(javafx.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );

        javafx.swing.GroupLayout layout = new
javafx.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(

layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
                );
        layout.setVerticalGroup(

layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
                );

        pack();
    } // </editor-fold>

    private void
btnPilihTahunAjaranActionPerformed(java.awt.event.ActionEvent evt)
    {
        // TODO add your handling code here:

ath.setIdnNmThAjaran(cboTahunAjaran.getSelectedItem().toString());
        dispose();
        try {
            String reprt =
"src/laporan/laporan_data_fuzzy.jasper";
            param.clear();
            Object put =
                param.put("nm_th_ajaran",
ath.getNmThAjaran());
            JasPri = JasperFillManager.fillReport(reprt, param,
k.conn);

            JRViewer rp = new JRViewer(JasPri);

            JDialog viewerx = new JDialog(new
javafx.swing.JFrame(), true);

```

```

        viewerx.setTitle(".: Laporan Data Asumsi Bilangan
Fuzzy Penerimaan Beasiswa :.");
        viewerx.getContentPane().add(rp);
        // Dimension screenSize =
Toolkit.getDefaultToolkit().getScreenSize();
        // viewerx.setBounds(0,0,screenSize.width,
screenSize.height);
        viewerx.setBounds(0, 0, 880, 600);
        viewerx.setLocationRelativeTo(null);
        viewerx.setVisible(true);

    } catch (JRException ex) {
        JOptionPane.showMessageDialog(this, "Error " +
ex.getMessage(), "Error", JOptionPane.ERROR_MESSAGE);
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(admin_tahun_ajaran_pilih.class.
getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(admin_tahun_ajaran_pilih.class.
getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(admin_tahun_ajaran_pilih.class.
getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(admin_tahun_ajaran_pilih.class.
getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
}

```

```
//</editor-fold>

/* Create and display the dialog */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        admin_tahun_ajaran_pilih dialog = new
admin_tahun_ajaran_pilih(new javax.swing.JFrame(), true);
        dialog.addWindowListener(new
java.awt.event.WindowAdapter() {
            @Override
            public void
windowClosing(java.awt.event.WindowEvent e) {
                System.exit(0);
            }
        });
        dialog.setVisible(true);
    }
});

// Variables declaration - do not modify
private javax.swing.JButton btnPilihTahunAjaran;
private javax.swing.JComboBox cboTahunAjaran;
private javax.swing.JPanel jPanel2;
// End of variables declaration
}
```



## PACKED admin (admin\_user\_edit.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package admin;

import java.awt.Color;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import spkbeasiswafmadmnsaw.koneksi;

/**
 *
 * @author dxdiarz7z
 */
public class admin_user_edit extends javax.swing.JDialog {

    koneksi k;
    String testBtnCek = "0";

    /**
     * Creates new form admin_user_edit
     */
    public admin_user_edit(java.awt.Frame parent, boolean modal) {
        super(parent, modal);
        initComponents();
        setLocationRelativeTo(null);

        k = new koneksi();
        k.koneksi();

        rdoLaki2.setSelected(true);
    }

    void refresh() {
        txtIdUser.setText(null);
        txtIdUser.setEditable(true);
        txtIdUser.setBackground(Color.white);
        txtUsername.setText(null);
        txtPassword.setText(null);
        txtNip.setText(null);
        txtNama.setText(null);
        txtNoIdentitas.setText(null);
        cboAgama.setSelectedIndex(0);
        rdoLaki2.setSelected(true);
        txtTempatLahir.setText(null);
        cboHari.setSelectedIndex(0);
        cboBulan.setSelectedIndex(0);
        cboTahun.setSelectedIndex(0);
        txtAlamat.setText(null);
        txtTglRegister.setText(null);
        cboKeterangan.setSelectedIndex(0);
    }
}
```

```

        testBtnCek = "0";
    }

    boolean check() {
        if (!txtIdUser.getText().isEmpty()
            && !txtUsername.getText().isEmpty()
            && !txtPassword.getText().isEmpty()
            && !txtNip.getText().isEmpty()
            && !txtNama.getText().isEmpty()
            && !txtNoIdentitas.getText().isEmpty()
            && !txtTempatLahir.getText().isEmpty()
            && !txtAlamat.getText().isEmpty()) {
            return true;
        } else {
            return false;
        }
    }

    void focus() {
        if (txtIdUser.getText().isEmpty()) {
            txtIdUser.requestFocusInWindow();
        } else if (txtUsername.getText().isEmpty()) {
            txtUsername.requestFocusInWindow();
        } else if (txtPassword.getText().isEmpty()) {
            txtPassword.requestFocusInWindow();
        } else if (txtNip.getText().isEmpty()) {
            txtNip.requestFocusInWindow();
        } else if (txtNama.getText().isEmpty()) {
            txtNama.requestFocusInWindow();
        } else if (txtNoIdentitas.getText().isEmpty()) {
            txtNoIdentitas.requestFocusInWindow();
        } else if (txtTempatLahir.getText().isEmpty()) {
            txtTempatLahir.requestFocusInWindow();
        } else if (txtAlamat.getText().isEmpty()) {
            txtAlamat.requestFocusInWindow();
        }
    }

    /**
     * This method is called from within the constructor to
     initialize the form.
     * WARNING: Do NOT modify this code. The content of this
     method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated
    Code">
    private void initComponents() {

        rdgKelamin = new javax.swing.ButtonGroup();
        jPanel6 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jPanel4 = new javax.swing.JPanel();
        jPanel11 = new javax.swing.JPanel();
        jLabel4 = new javax.swing.JLabel();

```

```

jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
txtUsername = new javax.swing.JTextField();
txtPassword = new javax.swing.JTextField();
txtNama = new javax.swing.JTextField();
txtNoIdentitas = new javax.swing.JTextField();
cboAgama = new javax.swing.JComboBox();
rdoLaki2 = new javax.swing.JRadioButton();
rdoPerempuan = new javax.swing.JRadioButton();
jLabel5 = new javax.swing.JLabel();
txtNip = new javax.swing.JTextField();
jLabel1 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
txtTglRegister = new javax.swing.JTextField();
txtTempatLahir = new javax.swing.JTextField();
jLabel14 = new javax.swing.JLabel();
jPanel2 = new javax.swing.JPanel();
cboBulan = new javax.swing.JComboBox();
cboTahun = new javax.swing.JComboBox();
cboHari = new javax.swing.JComboBox();
jLabel15 = new javax.swing.JLabel();
jLabel17 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jScrollPane = new javax.swing.JScrollPane();
txtAlamat = new javax.swing.JTextArea();
jLabel11 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
btnSimpan = new javax.swing.JButton();
btnKosongkan = new javax.swing.JButton();
cboKeterangan = new javax.swing.JComboBox();
jLabel16 = new javax.swing.JLabel();
txtIdUser = new javax.swing.JTextField();
btnCek = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

setTitle("Sunting User");
setResizable(false);
addWindowListener(new java.awt.event.WindowAdapter() {
    public void windowActivated(java.awt.event.WindowEvent
evt) {
        formWindowActivated(evt);
    }
});

jPanel6.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jLabel2.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

```

```

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel2.setText("SUNTING USER");

        javax.swing.GroupLayout jPanel6Layout = new
javax.swing.GroupLayout(jPanel6);
        jPanel6.setLayout(jPanel6Layout);
        jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            );
        jPanel6Layout.setVerticalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addComponent(jLabel2,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            );

        jPanel4.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Su
nting User"));

    jLabel4.setText("Username");

    jLabel6.setText("Nama");

    jLabel7.setText("No Identitas");

    txtUsername.setMargin(new java.awt.Insets(2, 5, 2, 5));
    txtUsername.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            txtUsernameActionPerformed(evt);
        }
    });
    txtUsername.addKeyListener(new java.awt.event.KeyAdapter()
{
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtUsernameKeyTyped(evt);
        }
    });

    txtPassword.setMargin(new java.awt.Insets(2, 5, 2, 5));

```

```

txtPassword.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtPasswordKeyTyped(evt);
    }
});

txtNama.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtNama.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtNamaKeyTyped(evt);
    }
});

txtNoIdentitas.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtNoIdentitas.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtNoIdentitasKeyTyped(evt);
    }
});

cboAgama.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "Islam", "Kristen", "Katholik", "Konghucu", "Hindu",
"Budha" }));

rdgKelamin.add(rdoLaki2);
rdoLaki2.setText("Laki - Laki");

rdgKelamin.add(rdoPerempuan);
rdoPerempuan.setText("Perempuan");

jLabel5.setText("Password");

txtNip.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtNip.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        txtNipActionPerformed(evt);
    }
});
txtNip.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtNipKeyTyped(evt);
    }
});

jLabel11.setText("NIP");

jLabel8.setText("Agama");

jLabel13.setText("Jenis Kelamin");

txtTglRegister.setEditable(false);
txtTglRegister.setBackground(java.awt.Color.lightGray);

```

```

txtTglRegister.setHorizontalAlignment(javax.swing.JTextField.CENTRE);

        txtTempatLahir.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtTempatLahir.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtTempatLahirActionPerformed(evt);
            }
        });
        txtTempatLahir.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtTempatLahirKeyTyped(evt);
            }
        });

        jLabel14.setText("Tempat Lahir");

jPanel2.setBorder(javax.swing.BorderFactory.createEtchedBorder());

        cboBulan.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12" }));

        cboTahun.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "1950", "1951", "1952", "1953", "1954", "1955", "1956",
"1957", "1958", "1959", "1960", "1961", "1962", "1963", "1964",
"1965", "1966", "1967", "1968", "1969", "1970", "1971", "1972",
"1973", "1974", "1975", "1976", "1977", "1978", "1979", "1980",
"1981", "1982", "1983", "1984", "1985", "1986", "1987", "1988",
"1989", "1990", "1991", "1992", "1993", "1994", "1995", "1996",
"1997", "1998", "1999", "2000" }));

        cboHari.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20",
"21", "22", "23", "24", "25", "26", "27", "28", "29", "30", "31"
}));

jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel15.setText("Hari");

jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel17.setText("Bulan");

jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;

```

```

        jLabel118.setText("Tahun");

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(jLabel115,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(cboHari, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING, false)
                .addComponent(jLabel117,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(cboBulan, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING, false)
                .addComponent(jLabel118,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(cboTahun, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );
        jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addComponent(jLabel115)

```

```

        .addComponent(jLabel17)
        .addComponent(jLabel18))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(cboHari,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboBulan,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboTahun,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

    jLabel9.setText("Tgl Lahir");

    txtAlamat.setColumns(20);
    txtAlamat.setLineWrap(true);
    txtAlamat.setRows(5);
    txtAlamat.setMargin(new java.awt.Insets(2, 5, 2, 5));
    jScrollPane1.setViewportView(txtAlamat);

    jLabel11.setText("Alamat");

    jLabel10.setText("Tgl Register");

    jLabel12.setText("Keterangan");

    btnSimpan.setText("Simpan");
    btnSimpan.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnSimpanActionPerformed(evt);
        }
    });

    btnKosongkan.setText("Kosongkan");
    btnKosongkan.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnKosongkanActionPerformed(evt);
        }
    });

```



```

        cboKeterangan.setModel(new
javax.swing.DefaultComboBoxModel(new String[] { "Aktif",
"Nonaktif" }));

        jLabel16.setText("ID User");

        txtIdUser.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtIdUser.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtIdUserKeyTyped(evt);
            }
        });

        btnCek.setText("Cek");
        btnCek.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnCekActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup()
                    .addComponent(jLabel14)
                    .addComponent(jLabel15)
                    .addComponent(jLabel11)
                    .addComponent(jLabel16)
                    .addComponent(jLabel7)
                    .addComponent(jLabel8)
                    .addComponent(jLabel13)
                    .addComponent(jLabel14)
                    .addComponent(jLabel19)
                    .addComponent(jLabel11)
                    .addComponent(jLabel10)
                    .addComponent(jLabel12)
                    .addComponent(jLabel16))
                .addContainerGap())
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING)
                .addComponent(btnSimpan))
        );
    }

    private void btnCekActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }
}

```

```

.addGroup(jPanell1Layout.createSequentialGroup()
        .addGap(12, 12, 12)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
        .addComponent(txtNip,
javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jScrollPane1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
        .addComponent(jPanel2,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(txtNama,
javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(jPanell1Layout.createSequentialGroup()

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.TRAILING, false)

.addComponent(cboKeterangan,
javax.swing.GroupLayout.Alignment.LEADING, 0, 83, Short.MAX_VALUE)

.addComponent(txtTglRegister,
javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboAgama,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtPassword,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanell1Layout.createSequentialGroup()
        .addComponent(rdoLaki2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addComponent(rdoPerempuan)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.TRAILING, false)

.addGroup(jPanell1Layout.createSequentialGroup()

.addComponent(txtIdUser)

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                                .addComponent(btnCek)
                                .addComponent(txtUsername,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                .addComponent(btnKosongkan)
                                .addGap(0, 0, Short.MAX_VALUE)
                                .addComponent(txtNoIdentitas,
javax.swing.GroupLayout.Alignment.TRAILING)))
                                .addContainerGap()
);
jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
                                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanell1Layout.createSequentialGroup())

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
                                .addComponent(jLabel16)
                                .addComponent(txtIdUser,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(btnCek))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
                                .addComponent(txtUsername,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(jLabel14))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
                                .addComponent(txtPassword,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(jLabel15))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

```

```

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txtNip,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel1))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txtNama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel6))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txtNoIdentitas,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel7))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(cboAgama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel8))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(rdoLaki2)
    .addComponent(rdoPerempuan)
    .addComponent(jLabel13))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(txtTempatLahir,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel14))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.LEADING, false)
        .addComponent(jPanel2,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel9,
javafx.swing.GroupLayout.PREFERRED_SIZE, 66,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.LEADING, false)
        .addComponent(jScrollPane1,
javafx.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
        .addComponent(jLabel11,
javafx.swing.GroupLayout.PREFERRED_SIZE, 40,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.BASELINE)
        .addComponent(txtTglRegister,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel10,
javafx.swing.GroupLayout.PREFERRED_SIZE, 14,
javafx.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.BASELINE)
        .addComponent(cboKeterangan,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel12))
        .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.BASELINE)

```

```

        .addComponent(btnSimpan)
        .addComponent(btnKosongkan)

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

    javax.swing.GroupLayout jPanel4Layout = new
javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);
    jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
        .addComponent(jPanel6,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel4,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel6,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
            .addComponent(jPanel4,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    );

    pack();
} // </editor-fold>

private void
txtUsernameActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void txtUsernameKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtUsername.getText().length() >= 16) {
        evt.consume();
    }
}

private void txtPasswordKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtPassword.getText().length() >= 16) {
        evt.consume();
    }
}

private void txtNamaKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtNama.getText().length() >= 30) {
        evt.consume();
    }
}

private void txtNoIdentitasKeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtNoIdentitas.getText().length() >= 16) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtNipActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
}

private void
txtTempatLahirActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

private void
btnSimpanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if (testBtnCek.equals("0")) {
        JOptionPane.showMessageDialog(this, "Id User harus di
cek dahulu");
        txtIdUser.requestFocusInWindow();
    } else {
        try {
            if (check()) {
                Object[] options = {"Ya", "Tidak"};
                int jwb = JOptionPane.showOptionDialog(this,
                    "Apakah yakin user disunting?",
                    "Konfirmasi",
                    JOptionPane.YES_OPTION,
                    JOptionPane.QUESTION_MESSAGE,
                    null,
                    options,
                    options[0]);
                if (jwb == 1) {
                    JOptionPane.showMessageDialog(this, "User
batal disunting");
                } else if (jwb == 0) {
                    String username = txtUsername.getText();
                    String password = txtPassword.getText();
                    String nip = txtNip.getText();
                    String nama = txtNama.getText();
                    String no_identitas =
txtNoIdentitas.getText();
                    String agama =
cboAgama.getSelectedItem().toString();
                    String kelamin = null;
                    if (rdoLaki2.isSelected()) {
                        kelamin = "Laki-Laki";
                    } else if (rdoPerempuan.isSelected()) {
                        kelamin = "Perempuan";
                    }
                    String tempat_lahir =
txtTempatLahir.getText();
                    String hari =
cboHari.getSelectedItem().toString();
                    String bulan =
cboBulan.getSelectedItem().toString();
                    String tahun =
cboTahun.getSelectedItem().toString();
                    String tgl_lahir = tahun + "-" + bulan +
                    "-" + hari;
                    String alamat = txtAlamat.getText();

                    k.BalikanTglKeSql(txtTglRegister.getText());
                    String tgl_reg = k.getBalikanTglKeSql();
                    String keterangan =
cboKeterangan.getSelectedItem().toString();

                    k.st = k.conn.createStatement();

```



```

        String sql = "update user set nip='" + nip
+ "', username='" + username + "', password='" + password + "',
nama='" + nama + "', alamat='" + alamat + "', no_identitas='" +
no_identitas + "', tempat_lahir='" + tempat_lahir + "',
tgl_lahir='" + tgl_lahir + "', agama='" + agama + "', kelamin='" +
kelamin + "', keterangan='" + keterangan + "' where id_user='" +
txtIdUser.getText() + "'";
        k.st.execute(sql);
        k.st.close();

        JOptionPane.showMessageDialog(this, "User
" + nama + " Berhasil disunting");
        dispose();
    } else {
        JOptionPane.showMessageDialog(this, "User
batal disunting");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data
tidak boleh ada yg kosong");
        this.focus();
    }
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(this, "User gagal
disunting");

    Logger.getLogger(admin_user_edit.class.getName()).log(Level.SEVERE
, null, ex);
}
}

private void
btnKosongkanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.refresh();
}

private void formWindowActivated(java.awt.event.WindowEvent
evt) {
    // TODO add your handling code here:
    if (!k.id_edit.equals("")) {
        testBtnCek = "1";
        try {
            txtIdUser.setText(k.id_edit);
            txtIdUser.setEditable(false);
            txtIdUser.setBackground(Color.lightGray);
            String id_user = k.id_edit;
            String sql = "SELECT nip, username, password,
nama, alamat, no_identitas, tempat_lahir, tgl_lahir, agama,
tgl_reg, kelamin, keterangan "
+ "FROM user where id_user='" + id_user +
""";

            k.st = k.conn.createStatement();
            k.rs = k.st.executeQuery(sql);

```

```

        String kelamin = "";
        String tgl_lahir = "";
        while (k.rs.next()) {

txtUsername.setText(k.rs.getString("username"));

txtPassword.setText(k.rs.getString("password"));
        txtNip.setText(k.rs.getString("nip"));
        txtNama.setText(k.rs.getString("nama"));
        txtNama.setCaretPosition(0);

txtNoIdentitas.setText(k.rs.getString("no_identitas"));

cboAgama.setSelectedItem(k.rs.getString("agama"));
        kelamin = (k.rs.getString("kelamin"));

txtTempatLahir.setText(k.rs.getString("tempat_lahir"));
        tgl_lahir = (k.rs.getString("tgl_lahir"));
        txtAlamat.setText(k.rs.getString("alamat"));
        txtAlamat.setCaretPosition(0);
        k.BalikanTglKeJava(k.rs.getString("tgl_reg"));

txtTglRegister.setText(k.getBalikanTglKeJava());

cboKeterangan.setSelectedItem(k.rs.getString("keterangan"));
        }

        if (txtNama.getText().isEmpty()) {
            JOptionPane.showMessageDialog(this, "Data
tidak valid");
            this.refresh();
        } else {
            if (kelamin.compareTo("Laki-Laki") == 0) {
                rdoLaki2.setSelected(true);
            } else if (kelamin.compareTo("Perempuan") ==
0) {
                rdoPerempuan.setSelected(true);
            }
        }

cboTahun.setSelectedItem(tgl_lahir.substring(0, 4));

cboBulan.setSelectedItem(tgl_lahir.substring(5, 7));
        cboHari.setSelectedItem(tgl_lahir.substring(8,
10));
        }
        k.st.close();
        k.rs.close();
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Gagal
Check");
    }

Logger.getLogger(admin_user_edit.class.getName()).log(Level.SEVERE
, null, ex);
    }
    k.id_edit = "";

```

```

    }

    private void btnCekActionPerformed(java.awt.event.ActionEvent
    evt) {
        // TODO add your handling code here:
        testBtnCek = "1";
        if (txtIdUser.getText().isEmpty()) {
            JOptionPane.showMessageDialog(this, "Id User tidak
            boleh kosong");
            testBtnCek = "0";
            txtIdUser.requestFocusInWindow();
        } else {
            try {
                txtIdUser.setEditable(false);
                txtIdUser.setBackground(Color.lightGray);
                String id_user = txtIdUser.getText();
                String sql = "SELECT nip, username, password,
                nama, alamat, no_identitas, tempat_lahir, tgl_lahir, agama,
                tgl_reg, kelamin, keterangan "
                + "FROM user where id_user='" + id_user +
                "'";

                k.st = k.conn.createStatement();
                k.rs = k.st.executeQuery(sql);

                String kelamin = "";
                String tgl_lahir = "";
                while (k.rs.next()) {

                    txtUsername.setText(k.rs.getString("username"));

                    txtPassword.setText(k.rs.getString("password"));
                    txtNip.setText(k.rs.getString("nip"));
                    txtNama.setText(k.rs.getString("nama"));
                    txtNama.setCaretPosition(0);

                    txtNoIdentitas.setText(k.rs.getString("no_identitas"));

                    cboAgama.setSelectedItem(k.rs.getString("agama"));
                    kelamin = (k.rs.getString("kelamin"));

                    txtTempatLahir.setText(k.rs.getString("tempat_lahir"));
                    tgl_lahir = (k.rs.getString("tgl_lahir"));
                    txtAlamat.setText(k.rs.getString("alamat"));
                    txtAlamat.setCaretPosition(0);
                    k.BalikanTglKeJava(k.rs.getString("tgl_reg"));

                    txtTglRegister.setText(k.getBalikanTglKeJava());

                    cboKeterangan.setSelectedItem(k.rs.getString("keterangan"));
                }

                if (txtNama.getText().isEmpty()) {
                    JOptionPane.showMessageDialog(this, "Data
                    tidak valid");
                    this.refresh();
                } else {

```

```

        if (kelamin.compareTo("Laki-Laki") == 0) {
            rdoLaki2.setSelected(true);
        } else if (kelamin.compareTo("Perempuan") ==
0) {
            rdoPerempuan.setSelected(true);
        }
    }

    cboTahun.setSelectedItem(tgl_lahir.substring(0, 4));

    cboBulan.setSelectedItem(tgl_lahir.substring(5, 7));
    cboHari.setSelectedItem(tgl_lahir.substring(8,
10));
    }
    k.st.close();
    k.rs.close();
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(this, "Gagal
Check");
}

Logger.getLogger(admin_user_edit.class.getName()).log(Level.SEVERE
, null, ex);
}
}

private void txtIdUserKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtIdUser.getText().length() >= 4) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtNipKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtNip.getText().length() >= 18) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtTempatLahirKeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtTempatLahir.getText().length() >= 20) {
        evt.consume();
    }
}

/**
 * @param args the command line arguments
 */

```

```

        public static void main(String args[]) {
            /* Set the Nimbus look and feel */
            //<editor-fold defaultstate="collapsed" desc=" Look and
            feel setting code (optional) ">
            /* If Nimbus (introduced in Java SE 6) is not available,
            stay with the default look and feel.
            * For details see
            http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/pla
            f.html
            */
            try {
                for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {
                    if ("Nimbus".equals(info.getName())) {

                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;

                }
            } catch (ClassNotFoundException ex) {

                java.util.logging.Logger.getLogger(admin_user_edit.class.getName()
                ).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (InstantiationException ex) {

                java.util.logging.Logger.getLogger(admin_user_edit.class.getName()
                ).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (IllegalAccessException ex) {

                java.util.logging.Logger.getLogger(admin_user_edit.class.getName()
                ).log(java.util.logging.Level.SEVERE, null, ex);
            } catch (javax.swing.UnsupportedLookAndFeelException ex) {

                java.util.logging.Logger.getLogger(admin_user_edit.class.getName()
                ).log(java.util.logging.Level.SEVERE, null, ex);
            }
            //</editor-fold>

            /* Create and display the dialog */
            java.awt.EventQueue.invokeLater(new Runnable() {
                public void run() {
                    admin_user_edit dialog = new admin_user_edit(new
                javax.swing.JFrame(), true);
                    dialog.addWindowListener(new
                java.awt.event.WindowAdapter() {
                        @Override
                        public void
                windowClosing(java.awt.event.WindowEvent e) {
                            System.exit(0);
                        }
                    });
                    dialog.setVisible(true);
                }
            });
        }
        // Variables declaration - do not modify

```

```
private javax.swing.JButton btnCek;
private javax.swing.JButton btnKosongkan;
private javax.swing.JButton btnSimpan;
private javax.swing.JComboBox cboAgama;
private javax.swing.JComboBox cboBulan;
private javax.swing.JComboBox cboHari;
private javax.swing.JComboBox cboKeterangan;
private javax.swing.JComboBox cboTahun;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel6;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.ButtonGroup rdgKelamin;
private javax.swing.JRadioButton rdoLaki2;
private javax.swing.JRadioButton rdoPerempuan;
private javax.swing.JTextArea txtAlamat;
private javax.swing.JTextField txtIdUser;
private javax.swing.JTextField txtNama;
private javax.swing.JTextField txtNip;
private javax.swing.JTextField txtNoIdentitas;
private javax.swing.JTextField txtPassword;
private javax.swing.JTextField txtTempatLahir;
private javax.swing.JTextField txtTglRegister;
private javax.swing.JTextField txtUsername;
// End of variables declaration
}
```

## PACKED admin (admin\_user\_tambah.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package admin;

import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import spkbeasiswa.fmadmnsaw.koneksi;

/**
 *
 * @author dxdiacz7z
 */
public class admin_user_tambah extends javax.swing.JDialog {

    koneksi k;

    /**
     * Creates new form admin_user_tambah
     */
    public admin_user_tambah(java.awt.Frame parent, boolean modal)
    {
        super(parent, modal);
        initComponents();
        setLocationRelativeTo(null);

        k = new koneksi();
        k.koneksi();

        rdoLaki2.setSelected(true);
    }

    void refresh() {
        txtUsername.setText(null);
        txtPassword.setText(null);
        txtNip.setText(null);
        txtNama.setText(null);
        txtNoIdentitas.setText(null);
        cboAgama.setSelectedIndex(0);
        rdoLaki2.setSelected(true);
        txtTempatLahir.setText(null);
        cboHari.setSelectedIndex(0);
        cboBulan.setSelectedIndex(0);
        cboTahun.setSelectedIndex(0);
        txtAlamat.setText(null);
        txtTglRegister.setText(k.getTglJavaSekarang());
        cboKeterangan.setSelectedIndex(0);
    }

    boolean check() {
        if (!txtUsername.getText().isEmpty())
```

```

        && !txtPassword.getText().isEmpty()
        && !txtNip.getText().isEmpty()
        && !txtNama.getText().isEmpty()
        && !txtNoIdentitas.getText().isEmpty()
        && !txtTempatLahir.getText().isEmpty()
        && !txtAlamat.getText().isEmpty()) {
            return true;
        } else {
            return false;
        }
    }

void focus() {
    if (txtUsername.getText().isEmpty()) {
        txtUsername.requestFocusInWindow();
    } else if (txtPassword.getText().isEmpty()) {
        txtPassword.requestFocusInWindow();
    } else if (txtNip.getText().isEmpty()) {
        txtNip.requestFocusInWindow();
    } else if (txtNama.getText().isEmpty()) {
        txtNama.requestFocusInWindow();
    } else if (txtNoIdentitas.getText().isEmpty()) {
        txtNoIdentitas.requestFocusInWindow();
    } else if (txtTempatLahir.getText().isEmpty()) {
        txtTempatLahir.requestFocusInWindow();
    } else if (txtAlamat.getText().isEmpty()) {
        txtAlamat.requestFocusInWindow();
    }
}

/**
 * This method is called from within the constructor to
 initialize the form.
 * WARNING: Do NOT modify this code. The content of this
 method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated
Code">
private void initComponents() {

    rdgKelamin = new javax.swing.ButtonGroup();
    jPanel6 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    jPanel4 = new javax.swing.JPanel();
    jPanel11 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    txtUsername = new javax.swing.JTextField();
    txtPassword = new javax.swing.JTextField();
    txtNama = new javax.swing.JTextField();
    txtNoIdentitas = new javax.swing.JTextField();
    cboAgama = new javax.swing.JComboBox();
    rdoLaki2 = new javax.swing.JRadioButton();

```



```

rdoPerempuan = new javax.swing.JRadioButton();
jLabel5 = new javax.swing.JLabel();
txtNip = new javax.swing.JTextField();
jLabel11 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
txtTglRegister = new javax.swing.JTextField();
txtTempatLahir = new javax.swing.JTextField();
jLabel14 = new javax.swing.JLabel();
jPanel2 = new javax.swing.JPanel();
cboBulan = new javax.swing.JComboBox();
cboTahun = new javax.swing.JComboBox();
cboHari = new javax.swing.JComboBox();
jLabel15 = new javax.swing.JLabel();
jLabel17 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jScrollPane1 = new javax.swing.JScrollPane();
txtAlamat = new javax.swing.JTextArea();
jLabel11 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
btnSimpan = new javax.swing.JButton();
btnKosongkan = new javax.swing.JButton();
cboKeterangan = new javax.swing.JComboBox();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setTitle("Tambah User");
setResizable(false);
addWindowListener(new java.awt.event.WindowAdapter() {
    public void windowActivated(java.awt.event.WindowEvent
evt) {
        formWindowActivated(evt);
    }
});

jPanel6.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jLabel2.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("TAMBAH USER");

javax.swing.GroupLayout jPanel6Layout = new
javax.swing.GroupLayout(jPanel6);
jPanel6.setLayout(jPanel6Layout);
jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)

```

```

        .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    jPanel6Layout.setVerticalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jLabel2,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    jPanel4.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Ta
mbah User"));

    jLabel4.setText("Username");

    jLabel6.setText("Nama");

    jLabel7.setText("No Identitas");

    txtUsername.setMargin(new java.awt.Insets(2, 5, 2, 5));
    txtUsername.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            txtUsernameActionPerformed(evt);
        }
    });
    txtUsername.addKeyListener(new java.awt.event.KeyAdapter()
{
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtUsernameKeyTyped(evt);
        }
    });

    txtPassword.setMargin(new java.awt.Insets(2, 5, 2, 5));
    txtPassword.addKeyListener(new java.awt.event.KeyAdapter()
{
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtPasswordKeyTyped(evt);
        }
    });

    txtNama.setMargin(new java.awt.Insets(2, 5, 2, 5));
    txtNama.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtNamaKeyTyped(evt);
        }
    }

```

```

    });

    txtNoIdentitas.setMargin(new java.awt.Insets(2, 5, 2, 5));
    txtNoIdentitas.addKeyListener(new
java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtNoIdentitasKeyTyped(evt);
        }
    });

    cboAgama.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "Islam", "Kristen", "Katholik", "Konghucu", "Hindu",
"Budha" }));

    rdgKelamin.add(rdoLaki2);
    rdoLaki2.setText("Laki - Laki");

    rdgKelamin.add(rdoPerempuan);
    rdoPerempuan.setText("Perempuan");

    jLabel5.setText("Password");

    txtNip.setMargin(new java.awt.Insets(2, 5, 2, 5));
    txtNip.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            txtNipActionPerformed(evt);
        }
    });
    txtNip.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtNipKeyTyped(evt);
        }
    });

    jLabel11.setText("NIP");

    jLabel8.setText("Agama");

    jLabel13.setText("Jenis Kelamin");

    txtTglRegister.setEditable(false);
    txtTglRegister.setBackground(java.awt.Color.lightGray);

    txtTglRegister.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);

    txtTempatLahir.setMargin(new java.awt.Insets(2, 5, 2, 5));
    txtTempatLahir.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            txtTempatLahirActionPerformed(evt);
        }
    });

```

```

        txtTempatLahir.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtTempatLahirKeyTyped(evt);
            }
        });

        jLabel14.setText("Tempat Lahir");

jPanel2.setBorder(javax.swing.BorderFactory.createEtchedBorder());

        cboBulan.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12" }));

        cboTahun.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "1950", "1951", "1952", "1953", "1954", "1955", "1956",
"1957", "1958", "1959", "1960", "1961", "1962", "1963", "1964",
"1965", "1966", "1967", "1968", "1969", "1970", "1971", "1972",
"1973", "1974", "1975", "1976", "1977", "1978", "1979", "1980",
"1981", "1982", "1983", "1984", "1985", "1986", "1987", "1988",
"1989", "1990", "1991", "1992", "1993", "1994", "1995", "1996",
"1997", "1998", "1999", "2000" }));

        cboHari.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20",
"21", "22", "23", "24", "25", "26", "27", "28", "29", "30", "31"
}));

jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel15.setText("Hari");

jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel17.setText("Bulan");

jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel18.setText("Tahun");

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addContainerGap()

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jLabel15,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(cboHari, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jLabel17,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(cboBulan, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jLabel18,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(cboTahun, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
    .addContainerGap())

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel15)
    .addComponent(jLabel17)
    .addComponent(jLabel18))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(cboHari,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboBulan,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboTahun,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

    jLabel9.setText("Tgl Lahir");

    txtAlamat.setColumns(20);
    txtAlamat.setLineWrap(true);
    txtAlamat.setRows(5);
    txtAlamat.setAutoscrolls(false);
    txtAlamat.setMargin(new java.awt.Insets(2, 5, 2, 5));
    jScrollPane1.setViewportView(txtAlamat);

    jLabel11.setText("Alamat");

    jLabel10.setText("Tgl Register");

    jLabel3.setText("Tgl Sekarang");

    jLabel12.setText("Keterangan");

    btnSimpan.setText("Simpan");
    btnSimpan.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnSimpanActionPerformed(evt);
    }
});

    btnKosongkan.setText("Kosongkan");
    btnKosongkan.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnKosongkanActionPerformed(evt);
    }
});

    cboKeterangan.setModel(new
javax.swing.DefaultComboBoxModel(new String[] { "Aktif",
"Nonaktif" }));

    javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);

```

```

        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel4)
                .addComponent(jLabel5)
                .addComponent(jLabel11)
                .addComponent(jLabel6)
                .addComponent(jLabel7)
                .addComponent(jLabel8)
                .addComponent(jLabel13)
                .addComponent(jLabel14)
                .addComponent(jLabel9)
                .addComponent(jLabel111)
                .addComponent(jLabel110)
                .addComponent(jLabel112))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(12, 12, 12)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
            .addComponent(txtNoIdentitas)
            .addComponent(txtNama)
            .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addGroup(jPanel1Layout.createSequentialGroup()

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
            .addComponent(cboKeterangan,
javax.swing.GroupLayout.Alignment.LEADING, 0, 83, Short.MAX_VALUE)
            .addComponent(txtTglRegister,
javax.swing.GroupLayout.Alignment.LEADING))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jLabel13,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

        .addGroup(jPanel1Layout.createSequentialGroup()

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

                .addComponent(txtUsername,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(cboAgama,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtPassword,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGroup(jPanell1Layout.createSequentialGroup()
                .addComponent(rdoLaki2)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                .addComponent(rdoPerempuan))
                .addGap(0, 0, Short.MAX_VALUE))

        .addGroup(jPanell1Layout.createSequentialGroup()
                .addComponent(btnKosongkan)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(btnSimpan))
                .addComponent(txtNip))
                .addContainerGap())
        );
        jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
                .addGroup(jPanell1Layout.createSequentialGroup())

        .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
                .addComponent(txtUsername,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel4))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

        .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
                .addComponent(txtPassword,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel5))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

```



```

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txtNip,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel1))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txtNama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel6))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txtNoIdentitas,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel7))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(cboAgama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel8))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(rdoLaki2)
    .addComponent(rdoPerempuan)
    .addComponent(jLabel13))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(txtTempatLahir,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel14))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.LEADING, false)
        .addComponent(jPanel2,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel9,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.LEADING, false)
        .addComponent(jScrollPane1,
javafx.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
        .addComponent(jLabel11,
javafx.swing.GroupLayout.DEFAULT_SIZE, 40, Short.MAX_VALUE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.BASELINE)
        .addComponent(txtTglRegister,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel10,
javafx.swing.GroupLayout.PREFERRED_SIZE, 14,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.BASELINE)
        .addComponent(cboKeterangan,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel12))
        .addGap(18, 18, 18)

.addGroup(jPanell1Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.BASELINE)

```

```

        .addComponent(btnSimpan)
        .addComponent(btnKosongkan)

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

    javax.swing.GroupLayout jPanel4Layout = new
javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);
    jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
        .addComponent(jPanel6,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel4,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel6,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

```



```

        "Konfirmasi",
        JOptionPane.YES_OPTION,
        JOptionPane.QUESTION_MESSAGE,
        null,
        options,
        options[0]);
    if (jwb == 1) {
        JOptionPane.showMessageDialog(this, "User baru
batal disimpan");
    } else if (jwb == 0) {
        String username = txtUsername.getText();
        String password = txtPassword.getText();
        String nip = txtNip.getText();
        String nama = txtNama.getText();
        String no_identitas =
txtNoIdentitas.getText();
        String agama =
cboAgama.getSelectedItemAt().toString();
        String kelamin = null;
        if (rdoLaki2.isSelected()) {
            kelamin = "Laki-Laki";
        } else if (rdoPerempuan.isSelected()) {
            kelamin = "Perempuan";
        }
        String tempat_lahir =
txtTempatLahir.getText();
        String hari =
cboHari.getSelectedItemAt().toString();
        String bulan =
cboBulan.getSelectedItemAt().toString();
        String tahun =
cboTahun.getSelectedItemAt().toString();
        String tgl_lahir = tahun + "-" + bulan + "-" +
hari;

        String alamat = txtAlamat.getText();
        k.BalikanTglKeSql(txtTglRegister.getText());
        String tgl_reg = k.getBalikanTglKeSql();
        String keterangan =
cboKeterangan.getSelectedItemAt().toString();

        k.st = k.conn.createStatement();
        String sql = "insert into user (nip, username,
password, nama, alamat, no_identitas, tempat_lahir, tgl_lahir,
agama, tgl_reg, kelamin, keterangan) "
            + "values('" + nip + "','" + username
+ "','" + password + "','" + nama + "','" + alamat + "','" +
no_identitas + "','" + tempat_lahir + "','" + tgl_lahir + "','" +
agama + "','" + tgl_reg + "','" + kelamin + "','" + keterangan +
"')";

        k.st.execute(sql);
        k.st.close();

        JOptionPane.showMessageDialog(this, "User " +
nama + " Berhasil disimpan");
        this.refresh();
    } else {

```

```

        JOptionPane.showMessageDialog(this, "User baru
batal disimpan");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data tidak
boleh ada yg kosong");
        this.focus();
    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "User baru gagal
disimpan");

Logger.getLogger(admin_user_tambah.class.getName()).log(Level.SEVERE,
null, ex);
    }
}

private void
btnKosongkanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.refresh();
}

private void txtNipActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
}

private void
txtTempatLahirActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void formWindowActivated(java.awt.event.WindowEvent
evt) {
    // TODO add your handling code here:
    txtTglRegister.setText(k.getTglJavaSekarang());
}

private void txtNipKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtNip.getText().length() >= 18) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtTempatLahirKeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtTempatLahir.getText().length() >= 20) {
        evt.consume();
    }
}

```

```

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(admin_user_tambah.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(admin_user_tambah.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(admin_user_tambah.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(admin_user_tambah.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
    }
}
//</editor-fold>

    /* Create and display the dialog */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            admin_user_tambah dialog = new
admin_user_tambah(new javax.swing.JFrame(), true);
            dialog.addWindowListener(new
java.awt.event.WindowAdapter() {
                @Override
                public void
windowClosing(java.awt.event.WindowEvent e) {
                    System.exit(0);
                }
            });
            dialog.setVisible(true);

```

```

        });
    }
}
// Variables declaration - do not modify
private javax.swing.JButton btnKosongkan;
private javax.swing.JButton btnSimpan;
private javax.swing.JComboBox cboAgama;
private javax.swing.JComboBox cboBulan;
private javax.swing.JComboBox cboHari;
private javax.swing.JComboBox cboKeterangan;
private javax.swing.JComboBox cboTahun;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel6;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.ButtonGroup rdgKelamin;
private javax.swing.JRadioButton rdoLaki2;
private javax.swing.JRadioButton rdoPerempuan;
private javax.swing.JTextArea txtAlamat;
private javax.swing.JTextField txtNama;
private javax.swing.JTextField txtNip;
private javax.swing.JTextField txtNoIdentitas;
private javax.swing.JTextField txtPassword;
private javax.swing.JTextField txtTempatLahir;
private javax.swing.JTextField txtTglRegister;
private javax.swing.JTextField txtUsername;
// End of variables declaration
}

```



## PACKED laporan (laporan\_daftar\_data\_siswa.jrxml)

```
<?xml version="1.0" encoding="UTF-8"?>
<jasperReport
xmlns="http://jasperreports.sourceforge.net/jasperreports"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperrep
orts http://jasperreports.sourceforge.net/xsd/jasperreport.xsd"
name="laporan_daftar_data_siswa" pageWidth="792" pageHeight="612"
orientation="Landscape" columnWidth="752" leftMargin="20"
rightMargin="20" topMargin="20" bottomMargin="20" uuid="5264bd2f-
d413-4bb3-8237-e174760ca369">
  <property name="ireport.zoom" value="1.0"/>
  <property name="ireport.x" value="29"/>
  <property name="ireport.y" value="34"/>
  <style name="table">
    <box>
      <pen lineWidth="1.0" lineColor="#000000"/>
    </box>
  </style>
  <style name="table_TH" mode="Opaque" backgroundColor="#F0F8FF">
    <box>
      <pen lineWidth="0.5" lineColor="#000000"/>
    </box>
  </style>
  <style name="table_CH" mode="Opaque" backgroundColor="#BFE1FF">
    <box>
      <pen lineWidth="0.5" lineColor="#000000"/>
    </box>
  </style>
  <style name="table_TD" mode="Opaque" backgroundColor="#FFFFFF">
    <box>
      <pen lineWidth="0.5" lineColor="#000000"/>
    </box>
  </style>
  <style name="Crosstab Data Text" hAlign="Center"/>
  <parameter name="nm_th_ajaran" class="java.lang.String"/>
  <parameter name="id_th_ajaran" class="java.lang.String"/>
  <queryString>
    <![CDATA[SELECT
nisn,
nama_siswa,
kelamin,
kelas,
nilai_raport,
jmlh_penghasilan_ortu,
jmlh_tanggung_ortu,
jrk_tempuh_ke_sklh,
jmlh_kegiatan_org
FROM siswa where id_th_ajaran=${id_th_ajaran}]]>
  </queryString>
  <field name="nisn" class="java.lang.String">
    <fieldDescription><![CDATA[]]></fieldDescription>
  </field>
  <field name="nama_siswa" class="java.lang.String">
    <fieldDescription><![CDATA[]]></fieldDescription>
  </field>
  </queryString>
</jasperReport>
```

```

</field>
<field name="kelamin" class="java.lang.String">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="kelas" class="java.lang.String">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="nilai_raport" class="java.lang.Integer">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="jmlh_penghasilan_ortu"
class="java.lang.Integer">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="jmlh_tanggungan_ortu"
class="java.lang.Integer">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="jrk_tempuh_ke_sklh" class="java.lang.Float">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="jmlh_kegiatan_org" class="java.lang.Integer">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<background>
    <band splitType="Stretch"/>
</background>
<title>
    <band height="92" splitType="Stretch">
        <staticText>
            <reportElement uuid="043398be-ebfb-4b6e-
9b1f-307cd367e201" x="36" y="20" width="680" height="15"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
            <text><![CDATA[PEMERINTAH KABUPATEN
BANTUL]]></text>
        </staticText>
        <staticText>
            <reportElement uuid="0e3f62b4-7ab9-46b2-
a9d2-8197ec6df953" x="36" y="35" width="680" height="15"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
            <text><![CDATA[DINAS PENDIDIKAN MENENGAH
DAN NON FORMAL]]></text>
        </staticText>
        <staticText>
            <reportElement uuid="7d94f5dd-a038-447c-
96a6-12b503cb52a1" x="36" y="50" width="680" height="15"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
            <text><![CDATA[SMA NEGERI 1
PLERET]]></text>
        </staticText>
        <staticText>
            <reportElement uuid="72199372-c9b7-4fee-
9a55-85419eb597be" x="36" y="65" width="680" height="15"/>

```

```

                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[Kedaton, Pleret, Pleret
Bantul Yogyakarta, 555791 Telp (0274) 7116950]]></text>
                </staticText>
                <line>
                    <reportElement uuid="05409b69-7d15-4fc7-
b72f-d3645d4a6f0e" x="36" y="85" width="680" height="1"/>
                    <graphicElement>
                        <pen lineWidth="3.0"
lineStyle="Double"/>
                    </graphicElement>
                </line>
                <textField>
                    <reportElement uuid="f3ac0793-e259-4217-
b84f-e6def583365e" x="36" y="0" width="680" height="20"/>
                    <textElement textAlignment="Center"
verticalAlignment="Middle">
                        <font size="14" isBold="true"/>
                    </textElement>
                    <textFieldExpression><![CDATA["Daftar
Siswa Calon Penerima Beasiswa Tahun Ajaran
"+$P{nm_th_ajaran}]]></textFieldExpression>
                </textField>
            </band>
        </title>
        <columnHeader>
            <band height="40" splitType="Stretch">
                <staticText>
                    <reportElement uuid="3174a421-eb5c-45d3-
9d0e-db80eb11972f" style="table_CH" x="36" y="0" width="47"
height="40" bgcolor="#CCCCCC"/>
                    <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                    <text><![CDATA[No]]></text>
                </staticText>
                <staticText>
                    <reportElement uuid="e25d04b4-b2be-465c-
a00e-9ce651824806" style="table_CH" x="83" y="0" width="78"
height="40" bgcolor="#CCCCCC"/>
                    <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                    <text><![CDATA[NISN]]></text>
                </staticText>
                <staticText>
                    <reportElement uuid="c9cca531-85c6-4fb1-
92e2-52468d149738" style="table_CH" x="161" y="0" width="130"
height="40" bgcolor="#CCCCCC"/>
                    <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                    <text><![CDATA>Nama Siswa]]></text>
                </staticText>
                <staticText>
                    <reportElement uuid="a95a6b16-f1e9-4a6f-
9ad0-39b05ea317df" style="table_CH" x="291" y="0" width="59"
height="40" bgcolor="#CCCCCC"/>

```

```

                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[Jenis
Kelamin]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="dd478389-dcf9-49d1-
89ca-47d3e9ca4af0" style="table_CH" x="350" y="0" width="36"
height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[Kelas]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="6c61a97d-0b33-4439-
a8ec-ff841fc05397" style="table_CH" x="386" y="0" width="64"
height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[Nilai
Rata - Rata
Raport]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="8b7d5ad4-088f-430d-
8e0b-ed6c1af12ec7" style="table_CH" x="450" y="0" width="74"
height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[Jumlah
Penghasilan
Orang Tua]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="a92dd32f-b0b7-49f0-
83db-f7e375ba1556" style="table_CH" x="524" y="0" width="64"
height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[Jumlah
Tanggungan
Orang Tua]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="e1baca0e-94fc-4c11-
91bd-ad95e4c27eb2" style="table_CH" x="652" y="0" width="64"
height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[Jumlah
Kegiatan
Organisasi]]></text>
            </staticText>
            <staticText>

```

```

                <reportElement uuid="4fafae9a-8906-4dd8-
b8c9-003e58cc50d7" style="table_CH" x="588" y="0" width="64"
height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[Jarak
Tempuh ke
Sekolah]]></text>
            </staticText>
        </band>
    </columnHeader>
    <detail>
        <band height="20" splitType="Stretch">
            <textField>
                <reportElement uuid="ea320bed-40d9-4bd6-
b568-193f419c6e25" style="table_TD" x="36" y="0" width="47"
height="20"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[{$V{REPORT_COUNT}}]></textField
Expression>
                </textField>
                <textField>
                    <reportElement uuid="9f277206-f838-4c63-
a7d6-731892715177" style="table_TD" x="83" y="0" width="78"
height="20"/>
                    <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                    <textFieldExpression><![CDATA[{$F{nisn}}]></textFieldExpressi
on>
                    </textField>
                    <textField>
                        <reportElement uuid="ca6bc8f2-b76d-4258-
9c6a-f6dad6833432" style="table_TD" x="161" y="0" width="130"
height="20"/>
                        <textElement verticalAlignment="Middle">
                            <paragraph leftIndent="2"
rightIndent="2"/>
                        </textElement>
                        <textFieldExpression><![CDATA[{$F{nama_siswa}}]></textFieldEx
pression>
                        </textField>
                        <textField>
                            <reportElement uuid="31091007-b970-41ac-
babe-2b2ce567e0fd" style="table_TD" x="291" y="0" width="59"
height="20"/>
                            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                            <textFieldExpression><![CDATA[{$F{kelamin}}]></textFieldExpre
ssion>
                            </textField>
                            <textField>

```



```

                <reportElement uuid="22371fb2-6530-4fec-
b0b8-843593298f3d" style="table_TD" x="652" y="0" width="64"
height="20"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[{$F{jmlh_kegiatan_org}}]></text
FieldExpression>
                </textField>
                </band>
        </detail>
        <pageFooter>
                <band height="28" splitType="Stretch">
                        <line>
                                <reportElement uuid="7a85a4dc-27de-4b32-
955e-b1263790cbae" x="36" y="4" width="680" height="1"/>
                                <graphicElement>
                                        <pen lineWidth="2.0"/>
                                </graphicElement>
                        </line>
                        <textField>
                                <reportElement uuid="4a650600-cb6f-4af1-
a32b-07d4299e4428" x="626" y="8" width="80" height="20"/>
                                <textElement textAlignment="Right"/>
                                <textFieldExpression><![CDATA["Page
"+$V{PAGE_NUMBER}+" of"]]></textFieldExpression>
                                </textField>
                                <textField evaluationTime="Report">
                                        <reportElement uuid="0f6e62fe-4a6d-4809-
b31d-c55c403eb69d" x="706" y="8" width="10" height="20"/>
                                        <textElement/>
                                        <textFieldExpression><![CDATA[" " +
$V{PAGE_NUMBER}]]></textFieldExpression>
                                </textField>
                        </band>
        </pageFooter>
        <lastPageFooter>
                <band height="170">
                        <staticText>
                                <reportElement uuid="ab6c89c4-c2c2-464c-
9de5-31ec99c246bf" x="588" y="35" width="128" height="15"/>
                                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                                <text><![CDATA[Kepala Sekolah]]></text>
                        </staticText>
                        <line>
                                <reportElement uuid="2cbc4937-b32b-42d5-
ad25-a49fbeat0d727" x="588" y="101" width="128" height="1"/>
                        </line>
                        <line>
                                <reportElement uuid="9231793e-e5a5-4b7f-
826e-cf04af4e5ebc" x="36" y="146" width="680" height="1"/>
                                <graphicElement>
                                        <pen lineWidth="2.0"/>
                                </graphicElement>
                        </line>

```

```

        <textField>
            <reportElement uuid="10af72cb-8fb0-4e3a-
9254-c4332bb6cac2" x="626" y="150" width="80" height="20"/>
            <textFieldExpression><![CDATA["Page
"+$V{PAGE_NUMBER}+" of"]]></textFieldExpression>
        </textField>
        <textField evaluationTime="Report">
            <reportElement uuid="379bc45e-f838-4b8a-
8469-2395e9c98e0a" x="706" y="150" width="10" height="20"/>
            <textFieldExpression><![CDATA[" " +
$V{PAGE_NUMBER}]]></textFieldExpression>
        </textField>
        <textField pattern="dd MMMMM yyyy">
            <reportElement uuid="5a310964-1bd6-4a4e-
b1cb-29072ff5aa3c" x="623" y="20" width="93" height="15"/>
            <textFieldExpression><![CDATA[new
java.util.Date()]]></textFieldExpression>
        </textField>
        <staticText>
            <reportElement uuid="c0e99b31-af18-481e-
aca6-a4aab15391e8" x="588" y="20" width="35" height="15"/>
            <staticText><![CDATA[Pleret, ]]></staticText>
        </staticText>
        <staticText>
            <reportElement uuid="7e2184b6-2959-4689-
8a17-fcc7a7356f06" x="588" y="102" width="22" height="15"/>
            <staticText><![CDATA[NIP. ]]></staticText>
        </staticText>
    </band>
</lastPageFooter>
</jasperReport>

```



## PACKED laporan

### (laporan\_daftar\_data\_siswa\_perangkingan.jrxml)

```
<?xml version="1.0" encoding="UTF-8"?>
<jasperReport
xmlns="http://jasperreports.sourceforge.net/jasperreports"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperrep
orts http://jasperreports.sourceforge.net/xsd/jasperreport.xsd"
name="laporan_daftar_data_siswa_perangkingan" pageWidth="792"
pageHeight="612" orientation="Landscape" columnWidth="752"
leftMargin="20" rightMargin="20" topMargin="20" bottomMargin="20"
uuid="5264bd2f-d413-4bb3-8237-e174760ca369">
  <property name="ireport.zoom" value="1.0"/>
  <property name="ireport.x" value="0"/>
  <property name="ireport.y" value="0"/>
  <style name="table">
    <box>
      <pen lineWidth="1.0" lineColor="#000000"/>
    </box>
  </style>
  <style name="table_TH" mode="Opaque" backgroundColor="#F0F8FF">
    <box>
      <pen lineWidth="0.5" lineColor="#000000"/>
    </box>
  </style>
  <style name="table_CH" mode="Opaque" backgroundColor="#BFE1FF">
    <box>
      <pen lineWidth="0.5" lineColor="#000000"/>
    </box>
  </style>
  <style name="table_TD" mode="Opaque" backgroundColor="#FFFFFF">
    <box>
      <pen lineWidth="0.5" lineColor="#000000"/>
    </box>
  </style>
  <style name="Crosstab Data Text" hAlign="Center"/>
  <parameter name="nm_th_ajaran" class="java.lang.String"/>
  <parameter name="id_th_ajaran" class="java.lang.String"/>
  <parameter name="prioritas1" class="java.lang.String"/>
  <parameter name="prioritas2" class="java.lang.String"/>
  <parameter name="prioritas3" class="java.lang.String"/>
  <parameter name="prioritas4" class="java.lang.String"/>
  <parameter name="prioritas5" class="java.lang.String"/>
  <parameter name="nm_prioritas1" class="java.lang.String"/>
  <parameter name="nm_prioritas2" class="java.lang.String"/>
  <parameter name="nm_prioritas3" class="java.lang.String"/>
  <parameter name="nm_prioritas4" class="java.lang.String"/>
  <parameter name="nm_prioritas5" class="java.lang.String"/>
  <queryString>
    <![CDATA[SELECT
siswa.no_daftar,
nisn,
nama_siswa,
```

```

kelamin,
kelas,
${prioritas1} as prioritas1,
${prioritas2} as prioritas2,
${prioritas3} as prioritas3,
${prioritas4} as prioritas4,
${prioritas5} as prioritas5,
total
FROM hasil_akhir
INNER JOIN siswa ON (hasil_akhir.no_daftar = siswa.no_daftar)
WHERE siswa.id_th_ajaran=${id_th_ajaran} ORDER BY total
DESC,${prioritas1} DESC,${prioritas2} DESC,${prioritas3}
DESC,${prioritas4} DESC,${prioritas5} DESC,nama_siswa ASC]]>
</queryString>
<field name="no_daftar" class="java.lang.Integer">
  <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="nisn" class="java.lang.String">
  <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="nama_siswa" class="java.lang.String">
  <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="kelamin" class="java.lang.String">
  <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="kelas" class="java.lang.String">
  <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="prioritas1" class="java.lang.Object"/>
<field name="prioritas2" class="java.lang.Object"/>
<field name="prioritas3" class="java.lang.Object"/>
<field name="prioritas4" class="java.lang.Object"/>
<field name="prioritas5" class="java.lang.Object"/>
<field name="total" class="java.lang.Float">
  <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<background>
  <band splitType="Stretch"/>
</background>
<title>
  <band height="92" splitType="Stretch">
    <staticText>
      <reportElement uuid="043398be-ebfb-4b6e-
9b1f-307cd367e201" x="0" y="20" width="752" height="15"/>
      <textElement textAlignment="Center"
verticalAlignment="Middle"/>
      <text><![CDATA[PEMERINTAH KABUPATEN
BANTUL]]></text>
    </staticText>
    <staticText>
      <reportElement uuid="0e3f62b4-7ab9-46b2-
a9d2-8197ec6df953" x="0" y="35" width="752" height="15"/>
      <textElement textAlignment="Center"
verticalAlignment="Middle"/>

```

```

                <text><![CDATA[DINAS PENDIDIKAN MENENGAH
DAN NON FORMAL]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="7d94f5dd-a038-447c-
96a6-12b503cb52a1" x="0" y="50" width="752" height="15"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[SMA NEGERI 1
PLERET]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="72199372-c9b7-4fee-
9a55-85419eb597be" x="0" y="65" width="752" height="15"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[Kedaton, Pleret, Pleret
Bantul Yogyakarta, 555791 Telp (0274) 7116950]]></text>
            </staticText>
            <line>
                <reportElement uuid="05409b69-7d15-4fc7-
b72f-d3645d4a6f0e" x="0" y="85" width="752" height="1"/>
                <graphicElement>
                    <pen lineWidth="3.0"
lineStyle="Double"/>
                </graphicElement>
            </line>
            <textField>
                <reportElement uuid="f3ac0793-e259-4217-
b84f-e6def583365e" x="0" y="0" width="752" height="20"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle">
                    <font size="14" isBold="true"/>
                </textElement>
                <textFieldExpression><![CDATA["Daftar
Siswa Hasil Perangkingan Penerimaan Beasiswa Tahun Ajaran
"+$P{nm_th_ajaran}]]></textFieldExpression>
            </textField>
        </band>
    </title>
    <columnHeader>
        <band height="40" splitType="Stretch">
            <staticText>
                <reportElement uuid="3174a421-eb5c-45d3-
9d0e-db80eb11972f" style="table_CH" x="0" y="0" width="47"
height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[Rangking]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="e25d04b4-b2be-465c-
a00e-9ce651824806" style="table_CH" x="47" y="0" width="78"
height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>

```

```

                <text><![CDATA[NISN]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="c9cca531-85c6-4fb1-92e2-52468d149738" style="table_CH" x="125" y="0" width="130" height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center" verticalAlignment="Middle"/>
                <text><![CDATA>Nama Siswa]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="a95a6b16-f1e9-4a6f-9ad0-39b05ea317df" style="table_CH" x="255" y="0" width="59" height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center" verticalAlignment="Middle"/>
                <text><![CDATA[Jenis Kelamin]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="dd478389-dcf9-49d1-89ca-47d3e9ca4af0" style="table_CH" x="314" y="0" width="36" height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center" verticalAlignment="Middle"/>
                <text><![CDATA[Kelas]]></text>
            </staticText>
            <staticText>
                <reportElement uuid="0c1cc33b-cf6d-4d39-be37-42bede7dd86e" style="table_CH" x="685" y="0" width="67" height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center" verticalAlignment="Middle"/>
                <text><![CDATA[Nilai Hasil Perangkingan]]></text>
            </staticText>
            <textField>
                <reportElement uuid="d80e588e-19fa-4fa9-9517-f425f0a49f1b" style="table_CH" x="350" y="0" width="67" height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center" verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[${P{nm_prioritas1}}]></textFieldExpression>
            </textField>
            <textField>
                <reportElement uuid="0ffa7a35-d7b2-4dbc-bb39-20035f322f3f" style="table_CH" x="417" y="0" width="67" height="40" bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center" verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[${P{nm_prioritas2}}]></textFieldExpression>
            </textField>

```

```

        <textField>
            <reportElement uuid="4dc3cde7-6bd1-4bee-
8e8b-39807581f62a" style="table_CH" x="484" y="0" width="67"
height="40" bgcolor="#CCCCCC"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
        <textFieldExpression><![CDATA[{$P{nm_prioritas3}}]></textFiel
dExpression>
        </textField>
        <textField>
            <reportElement uuid="36457a58-31a0-46c1-
bf77-3d65f68e23ec" style="table_CH" x="551" y="0" width="67"
height="40" bgcolor="#CCCCCC"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
        <textFieldExpression><![CDATA[{$P{nm_prioritas4}}]></textFiel
dExpression>
        </textField>
        <textField>
            <reportElement uuid="c84a5e1e-e9bc-46d2-
ad87-77fd140391fa" style="table_CH" x="618" y="0" width="67"
height="40" bgcolor="#CCCCCC"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
        <textFieldExpression><![CDATA[{$P{nm_prioritas5}}]></textFiel
dExpression>
        </textField>
    </band>
</columnHeader>
<detail>
    <band height="20" splitType="Stretch">
        <textField>
            <reportElement uuid="ea320bed-40d9-4bd6-
b568-193f419c6e25" style="table_TD" x="0" y="0" width="47"
height="20"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
        <textFieldExpression><![CDATA[{$V{REPORT_COUNT}}]></textFiel
dExpression>
        </textField>
        <textField>
            <reportElement uuid="9f277206-f838-4c63-
a7d6-731892715177" style="table_TD" x="47" y="0" width="78"
height="20"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
        <textFieldExpression><![CDATA[{$F{nisn}}]></textFielDExpressi
on>
        </textField>
        <textField>

```

```

                <reportElement uuid="ca6bc8f2-b76d-4258-
9c6a-f6dad6833432" style="table_TD" x="125" y="0" width="130"
height="20"/>
                <textElement verticalAlignment="Middle">
                    <paragraph leftIndent="2"
rightIndent="2"/>
                </textElement>

                <textFieldExpression><![CDATA[{$F{nama_siswa}}]></textFieldEx
pression>
                </textField>
                <textField>
                    <reportElement uuid="31091007-b970-41ac-
babe-2b2ce567e0fd" style="table_TD" x="255" y="0" width="59"
height="20"/>
                    <textElement textAlignment="Center"
verticalAlignment="Middle"/>

                <textFieldExpression><![CDATA[{$F{kelamin}}]></textFieldExpre
ssion>
                </textField>
                <textField>
                    <reportElement uuid="e02fe57b-7989-4eda-
8b92-e9e9d2b01b40" style="table_TD" x="314" y="0" width="36"
height="20"/>
                    <textElement textAlignment="Center"
verticalAlignment="Middle">
                        <paragraph leftIndent="2"
rightIndent="2"/>
                    </textElement>

                <textFieldExpression><![CDATA[{$F{kelas}}]></textFieldExpress
ion>
                </textField>
                <textField pattern="#,##0.00">
                    <reportElement uuid="0d2ab66a-ee25-4295-
bdf8-ca0b1e9dc34a" style="table_TD" x="350" y="0" width="67"
height="20"/>
                    <textElement textAlignment="Center"
verticalAlignment="Middle"/>

                <textFieldExpression><![CDATA[{$F{prioritas1}}]></textFieldEx
pression>
                </textField>
                <textField pattern="#,##0.00">
                    <reportElement uuid="2e14fe35-f3f3-4e7b-
b4e1-7b88efb38240" style="table_TD" x="417" y="0" width="67"
height="20"/>
                    <textElement textAlignment="Center"
verticalAlignment="Middle"/>

                <textFieldExpression><![CDATA[{$F{prioritas2}}]></textFieldEx
pression>
                </textField>
                <textField pattern="#,##0.00">

```

```

                <reportElement uuid="4d89f15d-ae16-44cb-
b346-1368c014907f" style="table_TD" x="484" y="0" width="67"
height="20"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[{$F{prioritas3}}]></textFieldEx
pression>
                </textField>
                <textField pattern="#.##0.00">
                <reportElement uuid="c3a40a9c-80ab-4f15-
a13c-12ac7c563520" style="table_TD" x="551" y="0" width="67"
height="20"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[{$F{prioritas4}}]></textFieldEx
pression>
                </textField>
                <textField pattern="#.##0.00">
                <reportElement uuid="22371fb2-6530-4fec-
b0b8-843593298f3d" style="table_TD" x="618" y="0" width="67"
height="20"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[{$F{prioritas5}}]></textFieldEx
pression>
                </textField>
                <textField pattern="#.##0.00">
                <reportElement uuid="f02fe022-484e-4acf-
bfbe-ef63d69a5354" style="table_TD" x="685" y="0" width="67"
height="20"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[{$F{total}}]></textFieldExpress
ion>
                </textField>
        </band>
</detail>
<pageFooter>
        <band height="28" splitType="Stretch">
        <line>
                <reportElement uuid="7a85a4dc-27de-4b32-
955e-b1263790cbae" x="0" y="4" width="752" height="1"/>
                <graphicElement>
                <pen lineWidth="2.0"/>
                </graphicElement>
        </line>
        <textField>
                <reportElement uuid="4a650600-cb6f-4af1-
a32b-07d4299e4428" x="662" y="8" width="80" height="20"/>
                <textElement textAlignment="Right"/>
                <textFieldExpression><![CDATA["Page
"+$V{PAGE_NUMBER}+" of"]]></textFieldExpression>

```

```

        </textField>
        <textField evaluationTime="Report">
            <reportElement uuid="0f6e62fe-4a6d-4809-
b31d-c55c403eb69d" x="742" y="8" width="10" height="20"/>
            <textElement/>
            <textFieldExpression><![CDATA[" " +
$V{PAGE_NUMBER}]]></textFieldExpression>
        </textField>
    </band>
</pageFooter>
<lastPageFooter>
    <band height="170">
        <staticText>
            <reportElement uuid="ab6c89c4-c2c2-464c-
9de5-31ec99c246bf" x="624" y="35" width="128" height="15"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
            <text><![CDATA[Kepala Sekolah]]></text>
        </staticText>
        <line>
            <reportElement uuid="2cbc4937-b32b-42d5-
ad25-a49fbea0d727" x="624" y="101" width="128" height="1"/>
        </line>
        <line>
            <reportElement uuid="9231793e-e5a5-4b7f-
826e-cf04af4e5ebc" x="0" y="146" width="752" height="1"/>
            <graphicElement>
                <pen lineWidth="2.0"/>
            </graphicElement>
        </line>
        <textField>
            <reportElement uuid="10af72cb-8fb0-4e3a-
9254-c4332bb6cac2" x="662" y="150" width="80" height="20"/>
            <textElement textAlignment="Right"
verticalAlignment="Top"/>
            <textFieldExpression><![CDATA["Page
"+$V{PAGE_NUMBER}+" of"]]></textFieldExpression>
        </textField>
        <textField evaluationTime="Report">
            <reportElement uuid="379bc45e-f838-4b8a-
8469-2395e9c98e0a" x="742" y="150" width="10" height="20"/>
            <textElement textAlignment="Left"
verticalAlignment="Top"/>
            <textFieldExpression><![CDATA[" " +
$V{PAGE_NUMBER}]]></textFieldExpression>
        </textField>
        <textField pattern="dd MMMMM yyyy">
            <reportElement uuid="5a310964-1bd6-4a4e-
b1cb-29072ff5aa3c" x="659" y="20" width="93" height="15"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
            <textFieldExpression><![CDATA[new
java.util.Date()]]></textFieldExpression>
        </textField>
        <staticText>

```



```
        <reportElement uuid="c0e99b31-af18-481e-
aca6-a4aab15391e8" x="624" y="20" width="35" height="15"/>
        <textElement textAlignment="Left"
verticalAlignment="Middle"/>
        <text><![CDATA[Pleret, ]]></text>
    </staticText>
    <staticText>
        <reportElement uuid="7e2184b6-2959-4689-
8a17-fcc7a7356f06" x="624" y="102" width="22" height="15"/>
        <textElement verticalAlignment="Middle"/>
        <text><![CDATA[NIP. ]]></text>
    </staticText>
</band>
</lastPageFooter>
</jasperReport>
```

## PACKED laporan (laporan\_data\_fuzzy.jrxml)

```
<?xml version="1.0" encoding="UTF-8"?>
<jasperReport
xmlns="http://jasperreports.sourceforge.net/jasperreports"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperrep
orts http://jasperreports.sourceforge.net/xsd/jasperreport.xsd"
name="laporan_data_fuzzy" pageWidth="612" pageHeight="792"
columnWidth="572" leftMargin="20" rightMargin="20" topMargin="20"
bottomMargin="20" uuid="5264bd2f-d413-4bb3-8237-e174760ca369">
  <property name="ireport.zoom" value="1.0"/>
  <property name="ireport.x" value="0"/>
  <property name="ireport.y" value="290"/>
  <style name="table">
    <box>
      <pen lineWidth="1.0" lineColor="#000000"/>
    </box>
  </style>
  <style name="table_TH" mode="Opaque" backgroundColor="#F0F8FF">
    <box>
      <pen lineWidth="0.5" lineColor="#000000"/>
    </box>
  </style>
  <style name="table_CH" mode="Opaque" backgroundColor="#BFE1FF">
    <box>
      <pen lineWidth="0.5" lineColor="#000000"/>
    </box>
  </style>
  <style name="table_TD" mode="Opaque" backgroundColor="#FFFFFF">
    <box>
      <pen lineWidth="0.5" lineColor="#000000"/>
    </box>
  </style>
  <style name="Crosstab Data Text" hAlign="Center"/>
  <subDataset name="data_bobot" uuid="9cbca07d-a08b-4680-b31e-
e16d46f16c49">
    <queryString>
      <![CDATA[select * from bobot]]>
    </queryString>
    <field name="id_bobot" class="java.lang.String">
      <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="nm_bobot" class="java.lang.String">
      <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="nilai" class="java.lang.Float">
      <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="bilangan_fuzzy" class="java.lang.String">
      <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
  </subDataset>

```

```

        <field name="prioritas" class="java.lang.Integer">

        <fieldDescription><![CDATA[]]></fieldDescription>
        </field>
    </subDataset>
    <subDataset name="data_fuzzy_nrr" uuid="79e5e8b9-cdbe-493a-
a5a2-105b5cef04b7">
        <queryString language="SQL">
            <![CDATA[select * from fuzzy where id_nilai
IN('C11','C12','C13','C14','C15','C16','C17')]]>
        </queryString>
        <field name="id_nilai" class="java.lang.String">

        <fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="nilai" class="java.lang.Float">

        <fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="bilangan_fuzzy" class="java.lang.String">

        <fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="rentang1" class="java.lang.String">

        <fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="rentang2" class="java.lang.String">

        <fieldDescription><![CDATA[]]></fieldDescription>
        </field>
    </subDataset>
    <subDataset name="data_fuzzy_jpo" uuid="906a2afd-2f28-4d28-
87b3-1e63e5272319">
        <queryString language="SQL">
            <![CDATA[select * from fuzzy where id_nilai
IN('C21','C22','C23','C24','C25','C26','C27')]]>
        </queryString>
        <field name="id_nilai" class="java.lang.String">

        <fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="nilai" class="java.lang.Float">

        <fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="bilangan_fuzzy" class="java.lang.String">

        <fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="rentang1" class="java.lang.String">

        <fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="rentang2" class="java.lang.String">

```

```

    <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
  </subDataset>
  <subDataset name="data_fuzzy_jto" uuid="65f7bf04-407a-4be7-
bb1b-df2ee836a854">
    <queryString language="SQL">
      <![CDATA[select * from fuzzy where id_nilai
IN('C31','C32','C33','C34','C35')]]>
    </queryString>
    <field name="id_nilai" class="java.lang.String">

    <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="nilai" class="java.lang.Float">

    <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="bilangan_fuzzy" class="java.lang.String">

    <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="rentang1" class="java.lang.String">

    <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="rentang2" class="java.lang.String">

    <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
  </subDataset>
  <subDataset name="data_fuzzy_jts" uuid="e67b2e05-6a11-4308-
b451-012d279e1b84">
    <queryString>
      <![CDATA[select * from fuzzy where id_nilai
IN('C41','C42','C43','C44','C45')]]>
    </queryString>
    <field name="id_nilai" class="java.lang.String">

    <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="nilai" class="java.lang.Float">

    <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="bilangan_fuzzy" class="java.lang.String">

    <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="rentang1" class="java.lang.String">

    <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="rentang2" class="java.lang.String">

    <fieldDescription><![CDATA[]]></fieldDescription>

```

```

        </field>
    </subDataset>
    <subDataset name="data_fuzzy_jko" uuid="c5695988-bd07-4398-
95f3-cba4c8d9fb67">
        <queryString language="SQL">
            <![CDATA[select * from fuzzy where id_nilai
IN('C51','C52','C53','C54','C55')]]>
        </queryString>
        <field name="id_nilai" class="java.lang.String">

<fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="nilai" class="java.lang.Float">

<fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="bilangan_fuzzy" class="java.lang.String">

<fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="rentang1" class="java.lang.String">

<fieldDescription><![CDATA[]]></fieldDescription>
        </field>
        <field name="rentang2" class="java.lang.String">

<fieldDescription><![CDATA[]]></fieldDescription>
        </field>
    </subDataset>
    <parameter name="nm_th_ajaran" class="java.lang.String">

<defaultValueExpression><![CDATA[]]></defaultValueExpression
>
    </parameter>
    <queryString>
        <![CDATA[SELECT
no_daftar,
nispn,
nama_siswa,
kelamin,
kelas,
nilai_raport,
jmlh_penghasilan_ortu,
jmlh_tanggung_ortu,
jrk_tempuh_ke_sklh,
jmlh_kegiatan_org
FROM siswa]]>
    </queryString>
    <field name="no_daftar" class="java.lang.Integer">
        <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="nispn" class="java.lang.String">
        <fieldDescription><![CDATA[]]></fieldDescription>
    </field>
    <field name="nama_siswa" class="java.lang.String">
        <fieldDescription><![CDATA[]]></fieldDescription>
    </field>

```

```

</field>
<field name="kelamin" class="java.lang.String">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="kelas" class="java.lang.String">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="nilai_raport" class="java.lang.Integer">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="jmlh_penghasilan_ortu"
class="java.lang.Integer">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="jmlh_tanggungan_ortu"
class="java.lang.Integer">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="jrk_tempuh_ke_sklh" class="java.lang.Float">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<field name="jmlh_kegiatan_org" class="java.lang.Integer">
    <fieldDescription><![CDATA[]]></fieldDescription>
</field>
<background>
    <band splitType="Stretch"/>
</background>
<title>
    <band height="533" splitType="Stretch">
        <staticText>
            <reportElement uuid="043398be-ebfb-4b6e-
9b1f-307cd367e201" x="0" y="40" width="572" height="15"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
            <text><![CDATA[PEMERINTAH KABUPATEN
BANTUL]]></text>
        </staticText>
        <staticText>
            <reportElement uuid="0e3f62b4-7ab9-46b2-
a9d2-8197ec6df953" x="0" y="55" width="572" height="15"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
            <text><![CDATA[DINAS PENDIDIKAN MENENGAH
DAN NON FORMAL]]></text>
        </staticText>
        <staticText>
            <reportElement uuid="7d94f5dd-a038-447c-
96a6-12b503cb52a1" x="0" y="70" width="572" height="15"/>
            <textElement textAlignment="Center"
verticalAlignment="Middle"/>
            <text><![CDATA[SMA NEGERI 1
PLERET]]></text>
        </staticText>
        <staticText>
            <reportElement uuid="72199372-c9b7-4fee-
9a55-85419eb597be" x="0" y="85" width="572" height="15"/>

```

```

                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                <text><![CDATA[Kedaton, Pleret, Pleret
Bantul Yogyakarta, 555791 Telp (0274) 7116950]]></text>
            </staticText>
            <line>
                <reportElement uuid="05409b69-7d15-4fc7-
b72f-d3645d4a6f0e" x="0" y="105" width="572" height="1"/>
                <graphicElement>
                    <open lineWidth="3.0"
lineStyle="Double"/>
                </graphicElement>
            </line>
            <textField>
                <reportElement uuid="f3ac0793-e259-4217-
b84f-e6def583365e" x="0" y="0" width="572" height="40"/>
                <textElement textAlignment="Center"
verticalAlignment="Middle">
                    <font size="14" isBold="true"/>
                </textElement>
                <textFieldExpression><![CDATA["Data Asumsi
Bilangan Fuzzy Penerimaan Beasiswa\nTahun Ajaran
"+$P{nm_th_ajaran}]]></textFieldExpression>
            </textField>
            <componentElement>
                <reportElement uuid="d273d9aa-6fe5-484e-
aef1-e79a6005b17d" key="table 1" x="25" y="113" width="225"
height="45"/>
                <jr:table
xmlns:jr="http://jasperreports.sourceforge.net/jasperreports/compo
nents"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperrep
orts/components
http://jasperreports.sourceforge.net/xsd/components.xsd">
                    <datasetRun subDataset="data_bobot"
uuid="8e2d3f6d-9d65-4aaf-9774-e31e34ec0c64">
                        <connectionExpression><![CDATA[$P{REPORT_CONNECTION}]]></con
nectionExpression>
                    </datasetRun>
                    <jr:columnGroup width="225"
uuid="835b120e-3fc3-414e-8bd0-2a19b887eee7">
                        <jr:columnHeader height="15"
rowSpan="1">
                            <staticText>
                                <reportElement
uuid="6584e794-d16f-44a5-989e-0b35d96f975f" style="table_TH" x="0"
y="0" width="225" height="15" bgcolor="#CCCCCC"/>
                                <textElement
textAlignment="Center" verticalAlignment="Middle"/>
                                    <text><![CDATA[Bobot Kriteria]]></text>
                                </staticText>
                            </jr:columnHeader>
                        <jr:column width="45"
uuid="4f06e94b-d76b-421f-b761-a581a81b7eae">

```

```

height="15" rowspan="1">
    <jr:columnHeader
        <staticText>
            <reportElement uuid="c62a8b99-055a-4d34-bb8a-2845af182904"
                style="table_TH" x="0" y="0" width="45" height="15"
                bgcolor="#CCCCCC"/>
            <textElement
                textAlignment="Center" verticalAlignment="Middle"/>
                <text><![CDATA[Kriteria]]></text>
            </staticText>
        </jr:columnHeader>
    <jr:detailCell
        height="15" rowspan="1">
            <textField>
                <reportElement uuid="481dc4f7-32d7-4c4d-b2f7-12fb60d575b9"
                    style="table_TD" x="0" y="0" width="45" height="15"/>
                <textElement
                    textAlignment="Center" verticalAlignment="Middle"/>
                    <textFieldExpression><![CDATA[{$F{nm_bobot}}]></textFieldExpression>
                </textField>
            </jr:detailCell>
        </jr:column>
    <jr:column width="90"
        uuid="5aebe178-c22f-4302-a8f3-208420092d24">
        <jr:columnHeader
            height="15" rowspan="1">
                <staticText>
                    <reportElement uuid="475d34d0-ed19-4c51-83d9-3d9bb232f25b"
                        style="table_TH" x="0" y="0" width="90" height="15"
                        bgcolor="#CCCCCC"/>
                    <textElement
                        textAlignment="Center" verticalAlignment="Middle"/>
                        <text><![CDATA[Bilangan Fuzzy]]></text>
                    </staticText>
                </jr:columnHeader>
            <jr:detailCell
                height="15" rowspan="1">
                    <textField
                        pattern="">
                            <reportElement uuid="69b40e8a-c1a0-4bae-b7b6-57681b153d42"
                                style="table_TD" x="0" y="0" width="90" height="15"/>
                            <textElement
                                textAlignment="Left" verticalAlignment="Middle">
                                    <paragraph leftIndent="2" rightIndent="2"/>
                                </textElement>

```





```

        <reportElement uuid="3a72adce-b5cf-4d68-9205-a8a1a0fb22e8"
style="table_TD" x="0" y="0" width="45" height="15"/>
        <textElement
textAlignment="Center" verticalAlignment="Middle"/>

        <textFieldExpression><![CDATA[{$F{prioritas}}]></textFieldExp
ression>

                </textField>
                </jr:detailCell>
                </jr:column>
                </jr:columnGroup>
                </jr:table>
        </componentElement>
        <componentElement>
                <reportElement uuid="44d67d44-c4f2-4c3e-
8d96-b93228a2b04c" key="table 1" x="272" y="113" width="275"
height="60"/>

                <jr:table
xmlns:jr="http://jasperreports.sourceforge.net/jasperreports/compo
nents"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperrep
orts/components
http://jasperreports.sourceforge.net/xsd/components.xsd">
                        <datasetRun
subDataset="data_fuzzy_nrr" uuid="72331c4a-f855-4f27-a429-
fa2832bd7986">

                                <connectionExpression><![CDATA[{$P{REPORT_CONNECTION}}]></con
nectionExpression>

                                        </datasetRun>
                                        <jr:columnGroup width="275"
uuid="5b62b563-38de-481d-94f5-fd908cbae77e">
                                                <jr:tableHeader height="15"
rowSpan="1">
                                                        <staticText>
                                                                <reportElement
uuid="4232ee38-d860-4a0d-9311-64c31168696d" style="table_TH" x="0"
y="0" width="275" height="15" bgcolor="#CCCCCC"/>
                                                                <textElement
textAlignment="Center" verticalAlignment="Middle"/>

                                                                        <text><![CDATA[Nilai Rata - Rata Raport]]></text>
                                                                                </staticText>
                                                                                </jr:tableHeader>
                                                                                <jr:columnGroup width="140"
uuid="66597a11-dce8-45c5-90d4-c35266d55cc9">
                                                                                        <jr:columnHeader
height="15" rowSpan="1">
                                                                                                <staticText>

                                                                                                        <reportElement uuid="91b2f2e0-e299-4f0f-8083-da0402db34df"
style="table_TH" x="0" y="0" width="140" height="15"
bgcolor="#CCCCCC"/>
                                                                                                        <textElement
textAlignment="Center" verticalAlignment="Middle"/>

```

```

        <text><![CDATA[NRR]]></text>
                                                    </staticText>
                                                    </jr:columnHeader>
        <jr:column width="70"
        uuid="2323d67b-7421-400c-aaa3-1149b0088224">
                                                    <jr:columnHeader
        height="15" rowspan="1">
                                                    <staticText>
                <reportElement uuid="a8bb7f61-8a15-4d3d-935a-c8ed0ab56dc4"
                style="table_TH" x="0" y="0" width="70" height="15"
                bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center"
                verticalAlignment="Middle"/>
                <text><![CDATA[Rentang Awal]]></text>
                </staticText>
                                                    </jr:columnHeader>
                                                    <jr:detailCell
        height="15" rowspan="1">
                                                    <textField
        pattern="" isBlankWhenNull="true">
                <reportElement uuid="f8b817aa-8920-4640-b20a-cad44b6d682e"
                style="table_TD" x="0" y="0" width="70" height="15"/>
                <textElement textAlignment="Center"
                verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[{$F{rentang1}}]></textFieldExpr
        ession>
                                                    </textField>
                                                    </jr:detailCell>
                                                    </jr:column>
        <jr:column width="70"
        uuid="2fcb1d39-57c2-41d5-b51d-b28313b58512">
                                                    <jr:columnHeader
        height="15" rowspan="1">
                                                    <staticText>
                <reportElement uuid="6a30364a-4c99-4b57-bd38-9bda9831d86f"
                style="table_TH" x="0" y="0" width="70" height="15"
                bgcolor="#CCCCCC"/>
                <textElement textAlignment="Center"
                verticalAlignment="Middle"/>
                <text><![CDATA[Rentang Akhir]]></text>
                </staticText>
                                                    </jr:columnHeader>
                                                    <jr:detailCell
        height="15" rowspan="1">

```

```

pattern="">
<reportElement uuid="39711df0-1a16-4b9e-b243-f877389b2516"
style="table_TD" x="0" y="0" width="70" height="15"/>
<textElement textAlignment="Center"
verticalAlignment="Middle"/>
<textFieldExpression><![CDATA[{$F{rentang2}}]></textFieldExpr
ession>
</textField>
</jr:detailCell>
</jr:column>
</jr:columnGroup>
<jr:column width="90"
uuid="427fc5c5-c014-40cb-8f50-88f4866e2631">
<jr:tableHeader
height="0" rowspan="1"/>
<jr:columnHeader
height="30" rowspan="2">
<staticText>
<reportElement uuid="94a27f1a-cfe7-4ccb-aedd-ae105ba18255"
style="table_TH" x="0" y="0" width="90" height="30"
backcolor="#CCCCCC"/>
<textElement
textAlignment="Center" verticalAlignment="Middle"/>
<text><![CDATA[Bilangan Fuzzy]]></text>
</staticText>
</jr:columnHeader>
<jr:detailCell
height="15" rowspan="1">
<textField
pattern="">
<reportElement uuid="5cf16e4e-6e73-4124-9ab5-9ea10a22561f"
style="table_TD" x="0" y="0" width="90" height="15"/>
<textElement
textAlignment="Left" verticalAlignment="Middle">
<paragraph leftIndent="2" rightIndent="2"/>
</textElement>
<textFieldExpression><![CDATA[{$F{bilangan_fuzzy}}]></textFie
ldExpression>
</textField>
</jr:detailCell>
</jr:column>
<jr:column width="45"
uuid="57d93706-9f95-4d6e-9416-cabdaafc3230">
<jr:tableHeader
height="0" rowspan="1"/>

```

```

height="30" rowspan="2">
    <jr:columnHeader
        <staticText>
            <reportElement uuid="58a48f2b-469a-40c8-a806-3a2aeab07620"
                style="table_TH" x="0" y="0" width="45" height="30"
                bgcolor="#CCCCCC"/>
            <textElement
                textAlignment="Center" verticalAlignment="Middle"/>
            <text><![CDATA[Nilai]]></text>
        </staticText>
    </jr:columnHeader>
    <jr:detailCell
        height="15" rowspan="1">
            <textField
                pattern="#,##0.00">
                <reportElement uuid="fd0734bf-7e22-461f-9dc8-756288508651"
                    style="table_TD" x="0" y="0" width="45" height="15"/>
                <textElement
                    textAlignment="Center" verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[{$F{nilai}}]></textFieldExpression>
            </textField>
        </jr:detailCell>
    </jr:column>
</jr:columnGroup>
</jr:table>
</componentElement>
<componentElement>
    <reportElement uuid="ec84afda-62fc-4ffd-
ad0e-6b3d45e384ba" key="table 1" x="272" y="286" width="275"
height="60"/>
    <jr:table
xmlns:jr="http://jasperreports.sourceforge.net/jasperreports/components"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperreports/components
http://jasperreports.sourceforge.net/xsd/components.xsd">
        <datasetRun
            subDataset="data_fuzzy_jpo" uuid="424b94ae-e88b-486c-a48e-
d73da7e256f1">
            <connectionExpression><![CDATA[{$P{REPORT_CONNECTION}}]></connectionExpression>
        </datasetRun>
        <jr:columnGroup width="275"
            uuid="4c200a3c-1cba-414e-afa9-c3902a8461a1">
            <jr:tableHeader height="15"
                rowspan="1">
                <staticText>
                    <reportElement
                        uuid="a9fc0490-bd78-4e15-94e3-9ad7197f09fa" style="table_TH" x="0"
                        y="0" width="275" height="15" bgcolor="#CCCCCC"/>

```

```

                                <textElement
textAlignment="Center" verticalAlignment="Middle"/>

                <text><![CDATA[Jumlah Penghasilan Orang Tua]]></text>
                                </staticText>
                                </jr:tableHeader>
                                <jr:columnGroup width="140"
uuid="73a335f1-f567-4e8c-b3a6-ce6a89ae4202">
                                <jr:columnHeader
height="15" rowSpan="1">

                                <staticText>

                <reportElement uuid="c1c5b6cf-2c63-4b63-ad30-a626bea055cc"
style="table_TH" x="0" y="0" width="140" height="15"
backcolor="#CCCCCC"/>
                                <textElement
textAlignment="Center" verticalAlignment="Middle"/>

                <text><![CDATA[JPO]]></text>
                                </staticText>
                                </jr:columnHeader>
                                <jr:column width="70"
uuid="08ccc5c1-a313-42b3-b6e7-0a2d70798f4a">
                                <jr:columnHeader
height="15" rowSpan="1">

                                <staticText>

                <reportElement uuid="cc935f84-ec82-458d-82a2-d1c76c032342"
style="table_TH" x="0" y="0" width="70" height="15"
backcolor="#CCCCCC"/>

                <textElement textAlignment="Center"
verticalAlignment="Middle"/>

                <text><![CDATA[Rentang Awal]]></text>

                </staticText>
                                </jr:columnHeader>
                                <jr:detailCell
height="15" rowSpan="1">

                                <textField
pattern="#,##0" isBlankWhenNull="true">

                <reportElement uuid="4f03c008-2c6d-412a-bf4c-7e9189d0fdca"
style="table_TD" x="0" y="0" width="70" height="15"/>

                <textElement textAlignment="Center"
verticalAlignment="Middle"/>

                <textFieldExpression><![CDATA[new
java.text.DecimalFormat("Rp
#,##0").format(Double.valueOf($F{rentang1}) )]]></textFieldExpressi
on>

                                </textField>
                                </jr:detailCell>
                                </jr:column>

```

```

                                <jr:column width="70"
uuid="6783bf53-029b-4157-a6ee-32da4a06aaca">
                                <jr:columnHeader
height="15" rowspan="1">
                                    <staticText>
                                <reportElement uuid="66031dfa-c92f-491c-ba8c-6ccca9c583f7"
style="table_TH" x="0" y="0" width="70" height="15"
backcolor="#CCCCCC"/>
                                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                                <text><![CDATA[Rentang Akhir]]></text>
                                </staticText>
                                </jr:columnHeader>
                                <jr:detailCell
height="15" rowspan="1">
                                    <textField
pattern="¤ #,##0">
                                <reportElement uuid="d82697b3-6723-4c88-bce9-4769411fcfbb"
style="table_TD" x="0" y="0" width="70" height="15"/>
                                <textElement textAlignment="Center"
verticalAlignment="Middle"/>
                                <textFieldExpression><![CDATA[new
java.text.DecimalFormat ("Rp
#,##0").format (Double.valueOf ($F{rentang2})) ]]></textFieldExpressi
on>
                                    </textField>
                                </jr:detailCell>
                                </jr:column>
                                </jr:columnGroup>
                                <jr:column width="90"
uuid="d817668d-1e95-4839-8906-da163a0bd38e">
                                    <jr:tableHeader
height="0" rowspan="1"/>
                                    <jr:columnHeader
height="30" rowspan="2">
                                        <staticText>
                                <reportElement uuid="81baad63-3e29-482e-9bf4-9c5ad4d7fcb8"
style="table_TH" x="0" y="0" width="90" height="30"
backcolor="#CCCCCC"/>
                                    <textElement
textAlignment="Center" verticalAlignment="Middle"/>
                                <text><![CDATA[Bilangan Fuzzy]]></text>
                                    </staticText>
                                </jr:columnHeader>
                                <jr:detailCell
height="15" rowspan="1">

```

```

pattern="">
    <reportElement uuid="a4c29629-6446-44db-87db-d186ce55ae4a"
style="table_TD" x="0" y="0" width="90" height="15"/>
    <textElement
textAlignment="Left" verticalAlignment="Middle">
        <paragraph leftIndent="2" rightIndent="2"/>
    </textElement>

    <textFieldExpression><![CDATA[{$F{bilangan_fuzzy}}]></textFie
ldExpression>
        </textField>
        </jr:detailCell>
        </jr:column>
        <jr:column width="45"
uuid="b7d1e216-6f0f-4b19-ad0b-95e4bedd339a">
            <jr:tableHeader
height="0" rowSpan="1"/>
            <jr:columnHeader
height="30" rowSpan="2">
                <staticText>

                <reportElement uuid="28b3c5b6-b144-4ba6-8ba9-2dfd222fc2a9"
style="table_TH" x="0" y="0" width="45" height="30"
backcolor="#CCCCCC"/>
                <textElement
textAlignment="Center" verticalAlignment="Middle"/>
                <text><![CDATA[Nilai]]></text>
                </staticText>
                </jr:columnHeader>
                <jr:detailCell
height="15" rowSpan="1">
                    <textField
pattern="#,##0.00">

                    <reportElement uuid="4f66dc8a-13bb-4a5f-90a2-d4cdb8564de1"
style="table_TD" x="0" y="0" width="45" height="15"/>
                    <textElement
textAlignment="Center" verticalAlignment="Middle"/>
                    <textFieldExpression><![CDATA[{$F{nilai}}]></textFie
ldExpression>
                        </textField>
                        </jr:detailCell>
                    </jr:column>
                </jr:columnGroup>
            </jr:table>
        </componentElement>
    </componentElement>
    <reportElement uuid="af4fe61d-fc91-46fb-
b0ca-a301df7c52b1" key="table 1" x="25" y="241" width="180"
height="45"/>

```



```

        <jr:table
xmlns:jr="http://jasperreports.sourceforge.net/jasperreports/components"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperreports/components
http://jasperreports.sourceforge.net/xsd/components.xsd">
        <datasetRun
subDataset="data_fuzzy_jto" uuid="fcc562ec-73e5-4e4d-a29f-653ac07c027c">
        <connectionExpression><![CDATA[{$P{REPORT_CONNECTION}}]></connectionExpression>
        </datasetRun>
        <jr:columnGroup width="180"
uuid="4793bdb5-ccae-46c6-b460-79f270a75d6d">
        <jr:columnHeader height="15"
rowSpan="1">
                <staticText>
                <reportElement
uuid="271c9e86-5574-42e3-8ba4-c862c4acc064" style="table_TH" x="0"
y="0" width="180" height="15" bgcolor="#CCCCCC"/>
                <textElement
textAlignment="Center" verticalAlignment="Middle"/>
                <text><![CDATA[Jumlah Tanggungan Orang Tua]]></text>
                </staticText>
                </jr:columnHeader>
                <jr:column width="45"
uuid="5f06ed58-ca0e-4f85-a047-30fab39397cd">
                <jr:columnHeader
height="15" rowSpan="1">
                        <staticText>
                        <reportElement uuid="ea3bb674-5fa5-4e26-81a4-191586ab4157"
style="table_TH" x="0" y="0" width="45" height="15"
bgcolor="#CCCCCC"/>
                        <textElement
textAlignment="Center" verticalAlignment="Middle"/>
                        <text><![CDATA[JTO]]></text>
                        </staticText>
                        </jr:columnHeader>
                        <jr:detailCell
height="15" rowSpan="1">
                                <textField>
                                <reportElement uuid="6de8fe75-3964-4584-a561-2192e510192b"
style="table_TD" x="0" y="0" width="45" height="15"/>
                                <textElement
textAlignment="Center" verticalAlignment="Middle"/>
                                <textFieldExpression><![CDATA[{$F{rentang1}}]></textFieldExpression>
                                </textField>
                                </jr:detailCell>
                        </jr:column>

```

```

                                <jr:column width="90"
uuid="ba70ed56-35e7-4d8f-a8dd-4ff8ab5a0575">
                                <jr:columnHeader
height="15" rowspan="1">
                                    <staticText>
                    <reportElement uuid="a7b10efc-0973-49c7-ba66-194b637d106f"
style="table_TH" x="0" y="0" width="90" height="15"
backcolor="#CCCCCC"/>
                                <textElement
textAlignment="Center" verticalAlignment="Middle"/>
                    <text><![CDATA[Bilangan Fuzzy]]></text>
                                </staticText>
                                </jr:columnHeader>
                                <jr:detailCell
height="15" rowspan="1">
                                    <textField
pattern="">
                    <reportElement uuid="e909dddc-a351-4a50-800c-100b99ff56c4"
style="table_TD" x="0" y="0" width="90" height="15"/>
                                <textElement
textAlignment="Left" verticalAlignment="Middle">
                    <paragraph leftIndent="2" rightIndent="2"/>
                </textElement>
                <textFieldExpression><![CDATA[ $\{bilangan\_fuzzy\}$ ]]></textFie
ldExpression>
                                </textField>
                                </jr:detailCell>
                                </jr:column>
                                <jr:column width="45"
uuid="57d7ad7e-7b59-41ce-90c5-1b2400aa2a2b">
                                <jr:columnHeader
height="15" rowspan="1">
                                    <staticText>
                    <reportElement uuid="4952ea16-37dc-4ffa-9a07-5b83d8fa9849"
style="table_TH" x="0" y="0" width="45" height="15"
backcolor="#CCCCCC"/>
                                <textElement
textAlignment="Center" verticalAlignment="Middle"/>
                    <text><![CDATA[Nilai]]></text>
                                </staticText>
                                </jr:columnHeader>
                                <jr:detailCell
height="15" rowspan="1">
                                    <textField
pattern="#,##0.00">
                    <reportElement uuid="f9af951f-f02c-4942-9c65-8d0b63a35c55"
style="table_TD" x="0" y="0" width="45" height="15"/>

```



```

        </jr:columnHeader>
        <jr:detailCell
height="15" rowspan="1">
            <textField>
                <reportElement uuid="02652142-32cd-4c6a-83a1-a6460afc1062"
style="table_TD" x="0" y="0" width="45" height="15"/>
                <textElement
textAlignment="Center" verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[ $\{rentang1\}]]></textFieldExpr
ession>
                </textField>
            </jr:detailCell>
        </jr:column>
        <jr:column width="90"
uuid="26760916-f034-40a3-9c55-c0aef92cc83f">
            <jr:columnHeader
height="15" rowspan="1">
                <staticText>
                    <reportElement uuid="854370e1-881f-44bc-9ab4-a437d98aee98"
style="table_TH" x="0" y="0" width="90" height="15"
backcolor="#CCCCCC"/>
                    <textElement
textAlignment="Center" verticalAlignment="Middle"/>
                    <text><![CDATA[Bilangan Fuzzy]]></text>
                    </staticText>
                </jr:columnHeader>
            <jr:detailCell
height="15" rowspan="1">
                <textField
pattern="">
                    <reportElement uuid="761dfb3e-006d-4dff-b97a-d0e8fb40b29c"
style="table_TD" x="0" y="0" width="90" height="15"/>
                    <textElement
textAlignment="Left" verticalAlignment="Middle">
                        <paragraph leftIndent="2" rightIndent="2"/>
                    </textElement>
                    <textFieldExpression><![CDATA[ $\{bilangan\_fuzzy\}]]></textFie
ldExpression>
                    </textField>
                </jr:detailCell>
            </jr:column>
        <jr:column width="45"
uuid="de13491d-293d-4c37-bd79-d7572e14e7a6">
            <jr:columnHeader
height="15" rowspan="1">
                <staticText>
                    <reportElement uuid="97de6364-7f01-491f-8227-6f4781b27631"$$ 
```

```

style="table_TH" x="0" y="0" width="45" height="15"
backcolor="#CCCCCC"/>
<textElement
textAlignment="Center" verticalAlignment="Middle"/>
<text><![CDATA[Nilai]]></text>
</staticText>
</jr:columnHeader>
<jr:detailCell
height="15" rowspan="1">
<textField
pattern="#,##0.00">
<reportElement uuid="99ad6f4e-70e6-4163-a81e-2fab0ff7874c"
style="table_TD" x="0" y="0" width="45" height="15"/>
<textElement
textAlignment="Center" verticalAlignment="Middle"/>
<textFieldExpression><![CDATA[{$F{nilai}}]></textFieldExpress
ion>
</textField>
</jr:detailCell>
</jr:column>
</jr:columnGroup>
</jr:table>
</componentElement>
<componentElement>
<reportElement uuid="8b39d8d0-0a9f-4595-
b9e5-d324a58841eb" key="table 1" x="272" y="464" width="275"
height="60"/>
<jr:table
xmlns:jr="http://jasperreports.sourceforge.net/jasperreports/compo
nents"
xsi:schemaLocation="http://jasperreports.sourceforge.net/jasperrep
orts/components
http://jasperreports.sourceforge.net/xsd/components.xsd">
<datasetRun
subDataset="data_fuzzy_jts" uuid="a76e3536-e510-485b-bdb2-
0ae37eeb9e4b">
<connectionExpression><![CDATA[{$P{REPORT_CONNECTION}}]></con
nectionExpression>
</datasetRun>
<jr:columnGroup width="275"
uuid="767288e0-94ec-47ec-a63e-7a9d7223d3b2">
<jr:tableHeader height="15"
rowSpan="1">
<staticText>
<reportElement
uuid="e5752d05-ad61-4899-96ea-3023af0823e8" style="table_TH" x="0"
y="0" width="275" height="15" backcolor="#CCCCCC"/>
<textElement
textAlignment="Center" verticalAlignment="Middle"/>
<text><![CDATA[Jarak Tempuh ke Sekolah]]></text>
</staticText>

```

```

</jr:tableHeader>
<jr:columnGroup width="140"
uuid="4b03f462-f8ff-4e68-b9cd-2fd605634f66">
  <jr:columnHeader
height="15" rowspan="1">
    <staticText>
      <reportElement uuid="88ae4554-fe3f-4dd4-aaf4-34dc6be64397"
style="table_TH" x="0" y="0" width="140" height="15"
backcolor="#CCCCCC"/>
    <textElement
textAlignment="Center" verticalAlignment="Middle"/>
    <text><![CDATA[JTS]]></text>
  </staticText>
</jr:columnHeader>
<jr:column width="70"
uuid="43558ff4-b913-4c7d-b990-03fb168f3874">
  <jr:columnHeader
height="15" rowspan="1">
    <staticText>
      <reportElement uuid="465901f3-29f6-4cb4-835b-95d8b4f5bf80"
style="table_TH" x="0" y="0" width="70" height="15"
backcolor="#CCCCCC"/>
    <textElement textAlignment="Center"
verticalAlignment="Middle"/>
    <text><![CDATA[Rentang Awal]]></text>
  </staticText>
</jr:columnHeader>
<jr:detailCell
height="15" rowspan="1">
  <textField
pattern="#,##0.0" isBlankWhenNull="true">
    <reportElement uuid="c96a8191-2cdf-4c9d-b700-370ed055ccbf"
style="table_TD" x="0" y="0" width="70" height="15"/>
    <textElement textAlignment="Center"
verticalAlignment="Middle"/>
    <textFieldExpression><![CDATA[new
java.text.DecimalFormat("#,##0.0
km").format(Double.valueOf({$F{rentang1}})]]></textFieldExpression>
  </textField>
</jr:detailCell>
</jr:column>
<jr:column width="70"
uuid="614802ba-7b84-43fc-ba10-0d3cb7620e6b">
  <jr:columnHeader
height="15" rowspan="1">
    <staticText>

```

```
<reportElement uuid="69c77b3c-e12f-4afc-8ba8-01acc93778bd" style="table_TH" x="0" y="0" width="70" height="15" bgcolor="#CCCCCC"/>
```

```
<textElement textAlignment="Center" verticalAlignment="Middle"/>
```

```
<text><![CDATA[Rentang Akhir]]></text>
```

```
</staticText>
```

```
</jr:columnHeader>
```

```
<jr:detailCell
```

```
height="15" rowspan="1">
```

```
<textField
```

```
pattern="#,##0.0" isBlankWhenNull="false">
```

```
<reportElement uuid="669725c0-28de-4cd2-bd1b-ba91176d06a0" style="table_TD" x="0" y="0" width="70" height="15"/>
```

```
<textElement textAlignment="Center" verticalAlignment="Middle"/>
```

```
<textFieldExpression><![CDATA[new java.text.DecimalFormat("#,##0.0 km").format(Double.valueOf($F{rentang2})]]></textFieldExpression></textField>
```

```
</jr:detailCell>
```

```
</jr:column>
```

```
</jr:columnGroup>
```

```
<jr:column width="90"
```

```
uuid="3f3a1254-2436-49d1-bcfa-8d067985d6f9">
```

```
<jr:tableHeader
```

```
height="0" rowspan="1"/>
```

```
<jr:columnHeader
```

```
height="30" rowspan="2">
```

```
<staticText>
```

```
<reportElement uuid="4b887e46-f14b-4b5c-b56b-4d5de601c801" style="table_TH" x="0" y="0" width="90" height="30" bgcolor="#CCCCCC"/>
```

```
<textElement
```

```
textAlignment="Center" verticalAlignment="Middle"/>
```

```
<text><![CDATA[Bilangan Fuzzy]]></text>
```

```
</staticText>
```

```
</jr:columnHeader>
```

```
<jr:detailCell
```

```
height="15" rowspan="1">
```

```
<textField
```

```
pattern="">
```

```
<reportElement uuid="267019b6-0785-48a6-9d32-fada519f69b0" style="table_TD" x="0" y="0" width="90" height="15"/>
```

```
<textElement
```

```
textAlignment="Left" verticalAlignment="Middle">
```

```

        <paragraph leftIndent="2" rightIndent="2"/>
    </textElement>
    <textFieldExpression><![CDATA[{$F{bilangan_fuzzy}}]></textFieldExpression>
        </textField>
    </jr:detailCell>
</jr:column>
    <jr:column width="45"
    uuid="6824372e-e52c-400b-bc47-8e883fe19b46">
    <jr:tableHeader
    height="0" rowSpan="1"/>
    <jr:columnHeader
    height="30" rowSpan="2">
        <staticText>
            <reportElement uuid="e736bd5b-a281-4663-8e59-424daa7b3ead"
            style="table_TH" x="0" y="0" width="45" height="30"
            bgcolor="#CCCCCC"/>
            <textElement
            textAlignment="Center" verticalAlignment="Middle"/>
            <text><![CDATA[Nilai]]></text>
                </staticText>
            </jr:columnHeader>
        </jr:detailCell
        height="15" rowSpan="1">
            <textField
            pattern="#,##0.00">
                <reportElement uuid="3cf41152-110d-487e-896f-6f52e7feal2b"
                style="table_TD" x="0" y="0" width="45" height="15"/>
                <textElement
                textAlignment="Center" verticalAlignment="Middle"/>
                <textFieldExpression><![CDATA[{$F{nilai}}]></textFieldExpression>
                    </textField>
                </jr:detailCell>
            </jr:column>
        </jr:columnGroup>
    </jr:table>
</componentElement>
</band>
</title>
<pageFooter>
    <band height="108">
        <staticText>
            <reportElement uuid="ab6c89c4-c2c2-464c-
            9de5-31ec99c246bf" x="444" y="20" width="128" height="20"/>
            <textElement textAlignment="Center"
            verticalAlignment="Middle"/>
            <text><![CDATA[Kepala Sekolah]]></text>
        </staticText>

```



```
<line>
    <reportElement uuid="2cbc4937-b32b-42d5-
ad25-a49fbea0d727" x="444" y="86" width="128" height="1"/>
</line>
<staticText>
    <reportElement uuid="7e2184b6-2959-4689-
8a17-fcc7a7356f06" x="445" y="87" width="22" height="20"/>
    <textElement/>
    <text><![CDATA[NIP. ]]></text>
</staticText>
<staticText>
    <reportElement uuid="e93aa265-93e5-4756-
8c19-d1ef777a1678" x="444" y="0" width="35" height="20"/>
    <textElement textAlignment="Left"
verticalAlignment="Middle"/>
    <text><![CDATA[Pleret, ]]></text>
</staticText>
<textField pattern="dd MMMMM yyyy">
    <reportElement uuid="ad140195-75df-4272-
bf57-acedb426ebc0" x="479" y="0" width="93" height="20"/>
    <textElement textAlignment="Center"
verticalAlignment="Middle"/>
    <textFieldExpression><![CDATA[new
java.util.Date()]]></textFieldExpression>
</textField>
</band>
</pageFooter>
</jasperReport>
```

## **PACKED spkbeasiswafmadmnsaw**

### **(SpkBeasiswaFMADMnSAW.java)**

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package spkbeasiswafmadmnsaw;
import com.sun.java.swing.plaf.windows.WindowsLookAndFeel;
import javax.swing.UIManager;
import javax.swing.UnsupportedLookAndFeelException;

/**
 *
 * @author dxdiacz7z
 */
public class SpkBeasiswaFMADMnSAW {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
        try {
            UIManager.setLookAndFeel(new WindowsLookAndFeel());
        } catch (UnsupportedLookAndFeelException e) {
        }
        new login().setVisible(true);
    }
}
```

## PACKED spkbeasiswafmadmnsaw (koneksi.java)

```
package spkbeasiswafmadmnsaw;

import java.sql.*;
import java.text.ParseException;
import java.text.SimpleDateFormat;

public class koneksi {

    public Connection conn;
    public Statement st;
    public ResultSet rs;
    public static String id_edit = "";
    private static String id_session = "";
    private static String nama_session = "";
    //private static String id_th_ajaran = "";
    //private static String nm_th_ajaran = "";

    public void setSesi(String id_session, String nama_session) {
        this.id_session = id_session;
        this.nama_session = nama_session;
    }

    public String getIdSession() {
        return id_session;
    }

    public String getNamaSession() {
        return nama_session;
    }

    public void koneksi() {
        konek("localhost", "spkbeasiswafmadmnsaw", "root",
"root");
    }

    public void konek(String server, String db, String user,
String password) {
        System.out.println("Keterangan");
        try {
            Class.forName("com.mysql.jdbc.Driver");
        } catch (ClassNotFoundException e) {
            System.out.println("Driver JDBC tidak berhasil Load");
            return;
        }
        System.out.println("Driver berhasil di Load");

        conn = null;
        try {
            conn = DriverManager.getConnection(
                "jdbc:mysql://" + server + ":3306/" + db,
user, password);
        } catch (SQLException e) {
            System.out.println("Tidak bisa koneksi ke database");
            return;
        }
    }
}
```

```

    }

    if (conn != null) {
        System.out.println("Berhasil Koneksi!");
    } else {
        System.out.println("Koneksi Gagal..... !");
    }
}

// Fungsi - fungsi service
private String tglJavaSekarang;
private String tglSqlSekarang;
private String balikan_tgl_ke_sql;
private String balikan_tgl_ke_java;

public String getTglJavaSekarang() {
    tglJavaSekarang();
    return tglJavaSekarang;
}

public String getTglSqlSekarang() {
    tglSqlSekarang();
    return tglSqlSekarang;
}

public String getBalikanTglKeSql() {
    return balikan_tgl_ke_sql;
}

public String getBalikanTglKeJava() {
    return balikan_tgl_ke_java;
}

public void tglJavaSekarang() {
    try {
        String tgl = "SELECT DATE_FORMAT(NOW(), '%d-%m-%Y') AS
tgl";
        st = conn.createStatement();
        rs = st.executeQuery(tgl);

        while (rs.next()) {
            tglJavaSekarang = rs.getString("tgl");
        }
        st.close();
    } catch (SQLException ex) {
    }
}

public void tglSqlSekarang() {
    try {
        String tgl = "SELECT DATE(NOW()) AS tgl";
        st = conn.createStatement();
        rs = st.executeQuery(tgl);

        while (rs.next()) {
            tglSqlSekarang = rs.getString("tgl");
        }
    }
}

```

```
        }
        st.close();
    } catch (SQLException ex) {
    }
}

public void BalikantglKeSql(String balik) {
    try {
        java.util.Date date = new SimpleDateFormat("dd-mm-
        YYYY").parse(balik);
        balikantgl_ke_sql = new SimpleDateFormat("yyyy-mm-
        dd").format(date);
    } catch (ParseException ex) {
    }
}

public void BalikantglKeJava(String balik) {
    try {
        java.util.Date date = new SimpleDateFormat("yyyy-mm-
        dd").parse(balik);
        balikantgl_ke_java = new SimpleDateFormat("dd-mm-
        YYYY").format(date);
    } catch (ParseException ex) {
    }
}
}
```

## PACKED spkbeasiswafmadmnsaw (login.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */

/*
 * login.java
 *
 * Created on Sep 28, 2012, 8:28:27 PM
 */
package spkbeasiswafmadmnsaw;

import admin.admin;
import user.user;
import user.user_tahun_ajaran;
import java.sql.*;
import javax.swing.*;

/**
 *
 * @author dxdiaxz7z
 */
public class login extends javax.swing.JFrame {

    koneksi k;
    loginclass lclass;

    /**
     * Creates new form login
     */
    public login() {
        initComponents();
        setLocationRelativeTo(null);

        k = new koneksi();
        k.koneksi();

        lclass = new loginclass();
    }
    String StatusLogin = "Gagal";

    /**
     * This method is called from within the constructor to
     initialize the form.
     * WARNING: Do NOT modify this code. The content of this
     method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated
    Code">
    private void initComponents() {

        jPanel2 = new javax.swing.JPanel();
```

```

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        txtusername = new javax.swing.JTextField();
        txtpassword = new javax.swing.JPasswordField();
        btnLogin = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE
);
        setTitle("Login");
        setResizable(false);

        jPanel2.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(nul
l, "Login", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Tahoma", 2, 11))); // NOI18N

        jLabel1.setFont(new java.awt.Font("Tahoma", 0, 18)); //
NOI18N
        jLabel1.setText("Username");

        jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); //
NOI18N
        jLabel2.setText("Password");

        txtusername.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtusername.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtusernameKeyTyped(evt);
            }
        });

        txtpassword.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtpassword.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtpasswordActionPerformed(evt);
            }
        });
        txtpassword.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtpasswordKeyTyped(evt);
            }
        });

        btnLogin.setText("Login");

```

```

        btnLogin.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnLoginActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.Grouplayo
ut.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()

                    .addComponent(jLabel1)
                    .addComponent(jLabel2))
                .addGap(18, 18, 18))

            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.Grouplayo
ut.Alignment.LEADING)
                .addComponent(txtpassword,
javax.swing.GroupLayout.DEFAULT_SIZE, 155, Short.MAX_VALUE)
                .addComponent(txtusername))

            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addGap(0, 0, Short.MAX_VALUE)
                .addComponent(btnLogin,
javax.swing.GroupLayout.PREFERRED_SIZE, 77,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(18, 18, 18))
        );
    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()

            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.Grouplayo
ut.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(txtusername,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

```



```

        .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.
Alignment.LEADING)
        .addComponent(jLabel2)
        .addComponent(txtpassword,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
        .addComponent(btnLogin)

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

    javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)

```

```

        .addComponent(jPanel2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        );

        pack();
    }// </editor-fold>

    private void
txtpasswordActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void
btnLoginActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        lclass.setUsername(txtusername.getText());

        lclass.setPassword(String.valueOf(txtpassword.getPassword()));

        if (StatusLogin.compareTo("Gagal") == 0) { // StatusLogin
= Gagal, defaultnya memang Gagal, scrips jalan
            // ambil data admin
            String sql1 = "select * from admin where username='" +
lclass.getUsername() + "' and password='" + lclass.getPassword() +
'";

            String sql2 = "SELECT COUNT(*) AS benartidak FROM
admin where username='" + lclass.getUsername() + "' and
password='" + lclass.getPassword() + "'";

            try {
                k.st = k.conn.createStatement();

                k.rs = k.st.executeQuery(sql1);
                while (k.rs.next()) {
                    lclass.setUser(k.rs.getString("username"));
                    lclass.setPass(k.rs.getString("password"));
                    lclass.setId(k.rs.getString("id_admin"));
                    lclass.setNama(k.rs.getString("nama"));
                }

                k.rs = k.st.executeQuery(sql2);
                while (k.rs.next()) {

lclass.setBenarTidak(k.rs.getString("benartidak"));
                }
            } catch (SQLException exception) {
            }

            // cek admin
            if ((lclass.getUser().compareTo(lclass.getUsername())
== 0)
                &&
(lclass.getPass().compareTo(lclass.getPassword()) == 0)

```

```

        &&
(lclass.getBenarTidak().compareTo(lclass.getBenarOK()) == 0) {

        k.setSesi(lclass.getId(), lclass.getNama());

        StatusLogin = "Sukses";
        dispose();
        new admin().setVisible(true);
    }
}

    if (StatusLogin.compareTo("Gagal") == 0) { // StatusLogin
= Gagal, cek admin sebelumnya tidak bisa merubah status ini,
scrips jalan
        // ambil data user
        String sql1 = "select * from user where username='" +
lclass.getUsername() + "' and password='" + lclass.getPassword() +
"'";

        String sql2 = "SELECT COUNT(*) AS benartidak FROM user
where username='" + lclass.getUsername() + "' and password='" +
lclass.getPassword() + "'";

        try {
            k.st = k.conn.createStatement();

            k.rs = k.st.executeQuery(sql1);
            while (k.rs.next()) {
                lclass.setUser(k.rs.getString("username"));
                lclass.setPass(k.rs.getString("password"));
                lclass.setId(k.rs.getString("id_user"));
                lclass.setNama(k.rs.getString("nama"));

lclass.setKeterangan(k.rs.getString("keterangan"));
            }

            k.rs = k.st.executeQuery(sql2);
            while (k.rs.next()) {

lclass.setBenarTidak(k.rs.getString("benartidak"));
            }
        } catch (SQLException exception) {
        }

        // cek user
        if ((lclass.getUser().compareTo(lclass.getUsername())
== 0)

            &&
(lclass.getPass().compareTo(lclass.getPassword()) == 0)

            &&
(lclass.getBenarTidak().compareTo(lclass.getBenarOK()) == 0) {

if(lclass.getKeterangan().compareTo(lclass.getAktif()) == 0){
            k.setSesi(lclass.getId(), lclass.getNama());

            StatusLogin = "Sukses";

```

```

        dispose();
        new user_tahun_ajaran().setVisible(true);
    } else
if(lclass.getKeterangan().compareTo(lclass.getNonaktif()) == 0){
    StatusLogin = "TidakAktif";
    JOptionPane.showMessageDialog(this, "User yang
digunakan sudah tidak aktif", "Keterangan",
JOptionPane.ERROR_MESSAGE);
    txtusername.setText(null);
    txtpassword.setText(null);
    txtusername.requestFocusInWindow();
    }
    }

    if(StatusLogin.compareTo("TidakAktif") == 0){ //
StatusLogin = TidakAktif, maka keterangan user pass salah tidak
jalan, status dikembalikan jadi Gagal
        StatusLogin = "Gagal";
    }
    else if (StatusLogin.compareTo("Gagal") == 0) { //
StatusLogin = Gagal, cek admin dan cek user sebelumnya masih tidak
bisa merubah status ini, scrips jalan
        JOptionPane.showMessageDialog(this, "Username atau
Password yang Anda masukkan salah", "Keterangan",
JOptionPane.ERROR_MESSAGE);
        txtpassword.setText(null);
        txtpassword.requestFocusInWindow();
    }
}

private void txtusernameKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtusername.getText().length() >= 16) {
        evt.consume();
    }
}

private void txtpasswordKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new login().setVisible(true);
        }
    });
}
// Variables declaration - do not modify
private javax.swing.JButton btnLogin;

```

```
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JPanel jPanel2;  
private javax.swing.JPasswordField txtpassword;  
private javax.swing.JTextField txtusername;  
// End of variables declaration  
}
```

## PACKED spkbeasiswafmadmnsaw (loginclass.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package spkbeasiswafmadmnsaw;

/**
 *
 * @author dxdiaxz7z
 */
public class loginclass {

    private String username = "";
    private String password = "";
    private String id = "";
    private String nama = "";
    private String user = "";
    private String pass = "";
    private String keterangan = "";
    private String aktif = "Aktif";
    private String nonaktif = "Nonaktif";
    private String benartidak = "";
    private String benarok = "1";

    /* bisa di hapus
    public loginclass() {
    }

    public loginclass(String username, String password, String id,
String nama,
        String user, String pass, String benartidak, String
benarok) {
        this.username = username;
        this.password = password;
        this.id = id;
        this.nama = nama;
        this.user = user;
        this.pass = pass;
        this.benartidak = benartidak;
        this.benarok = benarok;
    }
    */

    public String getUsername() {
        return username;
    }

    public void setUsername(String username) {
        this.username = username;
    }

    public String getPassword() {
        return password;
    }
}
```

```
public void setPassword(String password) {
    this.password = password;
}

public String getId() {
    return id;
}

public void setId(String id) {
    this.id = id;
}

public String getName() {
    return nama;
}

public void setName(String nama) {
    this.nama = nama;
}

public String getUser() {
    return user;
}

public void setUser(String user) {
    this.user = user;
}

public String getPass() {
    return pass;
}

public void setPass(String pass) {
    this.pass = pass;
}

public String getKeterangan() {
    return keterangan;
}

public void setKeterangan(String keterangan) {
    this.keterangan = keterangan;
}

public String getAktif() {
    return aktif;
}

public String getNonaktif() {
    return nonaktif;
}

public String getBenarOK() {
    return benarok;
}
```

```
public String getBenarTidak() {  
    return benartidak;  
}  
  
public void setBenarTidak(String benartidak) {  
    this.benartidak = benartidak;  
}  
}
```



**PACKED spkbeasiswafmadmnsaw**  
**(tabel\_header\_render\_tengah.java)**

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package spkbeasiswafmadmnsaw;

import java.awt.Component;
import javax.swing.JLabel;
import javax.swing.JTable;
import javax.swing.table.DefaultTableCellRenderer;
import javax.swing.table.TableCellRenderer;

/**
 *
 * @author dxdiarz7z
 */
public class tabel_header_render_tengah implements
TableCellRenderer {

    DefaultTableCellRenderer renderer;

    public tabel_header_render_tengah(JTable table) {
        renderer = (DefaultTableCellRenderer)
            table.getTableHeader().getDefaultRenderer();
        renderer.setHorizontalAlignment(JLabel.CENTER);
    }

    @Override
    public Component getTableCellRendererComponent(
        JTable table, Object value, boolean isSelected,
        boolean hasFocus, int row, int col) {
        return renderer.getTableCellRendererComponent(
            table, value, isSelected, hasFocus, row, col);
    }
}
```

## **PACKED spkbeasiswafmadmnsaw**

### **(tabel\_isi\_render\_tengah.java)**

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package spkbeasiswafmadmnsaw;
import javax.swing.table.*;
import java.awt.*;
import javax.swing.*;
public class tabel_isi_render_tengah extends
DefaultTableCellRenderer{
public Component getTableCellRendererComponent(JTable table,
Object value, boolean isSelected, boolean hasFocus, int row, int
column){
super.getTableCellRendererComponent(table,value,isSelected,hasFocu
s,row,column);
setHorizontalAlignment(SwingConstants.CENTER); return this; }
}
```

## PACKED user (hitung.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package user;

import admin.admin_bobot;
import admin.admin_fuzzy;
import admin.admin_tahun_ajaran;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import spkbeasiswafmadmnsaw.koneksi;

/**
 *
 * @author dxdiaxz7z
 */
public class hitung {

    koneksi k;
    admin_tahun_ajaran ath;
    admin_fuzzy af;
    admin_bobot ab;

    public hitung() {
        k = new koneksi();
        k.koneksi();

        ath = new admin_tahun_ajaran(null, true);

        af = new admin_fuzzy(null, true);

        ab = new admin_bobot(null, true);
    }

    float interpolasi(float y,float y1,float y2,float x1,float
x2){
        float x=0;
        return x= x2-(((y2-y)/(y2-y1))*(x2-x1));
    };

    public void hitung() {
        // hapus data lama - mulai
        try {
            k.st = k.conn.createStatement();
            String sql_delete_data_matrix_x = "DELETE FROM
normalisasi_matrix_x WHERE id_th_ajaran=" + ath.getIdThAjaran() +
"";

            String sql_delete_data_matrix_r = "DELETE FROM
normalisasi_matrix_r WHERE id_th_ajaran=" + ath.getIdThAjaran() +
"";

            String hasil_akhir = "DELETE FROM hasil_akhir WHERE
id_th_ajaran=" + ath.getIdThAjaran() + "";
```

```

        k.st.execute(sql_delete_data_matrix_x);
        k.st.execute(sql_delete_data_matrix_r);
        k.st.execute(hasil_akhir);
        k.st.close();
    } catch (SQLException ex) {

Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
ex);
    }
    // hapus data lama - selesai

    // ambil no_daftar min n max - mulai
    String sql_no_daftar_min = "SELECT MIN(no_daftar) AS min
FROM siswa WHERE id_th_ajaran=" + ath.getIdThAjaran() + """;
    String sql_no_daftar_max = "SELECT MAX(no_daftar) AS max
FROM siswa WHERE id_th_ajaran=" + ath.getIdThAjaran() + """;

    int no_daftar_min_1 = 0;
    int no_daftar_min_2 = 0;
    int no_daftar_min_3 = 0;

    int no_daftar_max_1 = 0;
    int no_daftar_max_2 = 0;
    int no_daftar_max_3 = 0;

    try {
        k.st = k.conn.createStatement();

        k.rs = k.st.executeQuery(sql_no_daftar_min);
        while (k.rs.next()) {
            no_daftar_min_1 =
Integer.parseInt(k.rs.getString("min"));
            no_daftar_min_2 =
Integer.parseInt(k.rs.getString("min"));
            no_daftar_min_3 =
Integer.parseInt(k.rs.getString("min"));
        }
        k.rs = k.st.executeQuery(sql_no_daftar_max);
        while (k.rs.next()) {
            no_daftar_max_1 =
Integer.parseInt(k.rs.getString("max"));
            no_daftar_max_2 =
Integer.parseInt(k.rs.getString("max"));
            no_daftar_max_3 =
Integer.parseInt(k.rs.getString("max"));
        }

        k.st.close();
        k.rs.close();
    } catch (SQLException ex) {

Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
ex);
    }
    // ambil no_daftar min n max - selesai

```

```

        // ambil data fuzzy simpan ke program (dari class
admin_fuzzy)
        af.ambil_data_fuzzy();

        /*
        // ambil data fuzzy simpan ke program - mulai
        String sql_c11_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C11'";
        String sql_c12_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C12'";
        String sql_c13_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C13'";
        String sql_c14_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C14'";
        String sql_c15_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C15'";
        String sql_c16_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C16'";
        String sql_c17_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C17'";

        String sql_c21_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C21'";
        String sql_c22_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C22'";
        String sql_c23_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C23'";
        String sql_c24_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C24'";
        String sql_c25_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C25'";
        String sql_c26_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C26'";
        String sql_c27_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C27'";

        String sql_c31_fuzzy = "SELECT nilai,rentang1 FROM fuzzy
WHERE id_nilai='C31'";
        String sql_c32_fuzzy = "SELECT nilai,rentang1 FROM fuzzy
WHERE id_nilai='C32'";
        String sql_c33_fuzzy = "SELECT nilai,rentang1 FROM fuzzy
WHERE id_nilai='C33'";
        String sql_c34_fuzzy = "SELECT nilai,rentang1 FROM fuzzy
WHERE id_nilai='C34'";
        String sql_c35_fuzzy = "SELECT nilai,rentang1 FROM fuzzy
WHERE id_nilai='C35'";

        String sql_c41_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C41'";
        String sql_c42_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C42'";
        String sql_c43_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C43'";
        String sql_c44_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C44'";

```

```

String sql_c45_fuzzy = "SELECT nilai,rentang1,rentang2
FROM fuzzy WHERE id_nilai='C45'";

String sql_c51_fuzzy = "SELECT nilai,rentang1 FROM fuzzy
WHERE id_nilai='C51'";
String sql_c52_fuzzy = "SELECT nilai,rentang1 FROM fuzzy
WHERE id_nilai='C52'";
String sql_c53_fuzzy = "SELECT nilai,rentang1 FROM fuzzy
WHERE id_nilai='C53'";
String sql_c54_fuzzy = "SELECT nilai,rentang1 FROM fuzzy
WHERE id_nilai='C54'";
String sql_c55_fuzzy = "SELECT nilai,rentang1 FROM fuzzy
WHERE id_nilai='C55'";

float c11_fuzzy_nilai = 0;
float c12_fuzzy_nilai = 0;
float c13_fuzzy_nilai = 0;
float c14_fuzzy_nilai = 0;
float c15_fuzzy_nilai = 0;
float c16_fuzzy_nilai = 0;
float c17_fuzzy_nilai = 0;

float c21_fuzzy_nilai = 0;
float c22_fuzzy_nilai = 0;
float c23_fuzzy_nilai = 0;
float c24_fuzzy_nilai = 0;
float c25_fuzzy_nilai = 0;
float c26_fuzzy_nilai = 0;
float c27_fuzzy_nilai = 0;

float c31_fuzzy_nilai = 0;
float c32_fuzzy_nilai = 0;
float c33_fuzzy_nilai = 0;
float c34_fuzzy_nilai = 0;
float c35_fuzzy_nilai = 0;

float c41_fuzzy_nilai = 0;
float c42_fuzzy_nilai = 0;
float c43_fuzzy_nilai = 0;
float c44_fuzzy_nilai = 0;
float c45_fuzzy_nilai = 0;

float c51_fuzzy_nilai = 0;
float c52_fuzzy_nilai = 0;
float c53_fuzzy_nilai = 0;
float c54_fuzzy_nilai = 0;
float c55_fuzzy_nilai = 0;

//float c11_rentang_1 = 0;
float c11_rentang_2 = 0;
float c12_rentang_1 = 0;
float c12_rentang_2 = 0;
float c13_rentang_1 = 0;
float c13_rentang_2 = 0;
float c14_rentang_1 = 0;
float c14_rentang_2 = 0;

```

```

float c15_rentang_1 = 0;
float c15_rentang_2 = 0;
float c16_rentang_1 = 0;
float c16_rentang_2 = 0;
//float c17_rentang_1 = 0;
float c17_rentang_2 = 0;

//int c21_rentang_1 = 0;
int c21_rentang_2 = 0;
int c22_rentang_1 = 0;
int c22_rentang_2 = 0;
int c23_rentang_1 = 0;
int c23_rentang_2 = 0;
int c24_rentang_1 = 0;
int c24_rentang_2 = 0;
int c25_rentang_1 = 0;
int c25_rentang_2 = 0;
int c26_rentang_1 = 0;
int c26_rentang_2 = 0;
//int c27_rentang_1 = 0;
int c27_rentang_2 = 0;

int c31_rentang_1 = 0;
int c32_rentang_1 = 0;
int c33_rentang_1 = 0;
int c34_rentang_1 = 0;
int c35_rentang_1 = 0;

//float c41_rentang_1 = 0;
float c41_rentang_2 = 0;
float c42_rentang_1 = 0;
float c42_rentang_2 = 0;
float c43_rentang_1 = 0;
float c43_rentang_2 = 0;
float c44_rentang_1 = 0;
float c44_rentang_2 = 0;
//float c45_rentang_1 = 0;
float c45_rentang_2 = 0;

int c51_rentang_1 = 0;
int c52_rentang_1 = 0;
int c53_rentang_1 = 0;
int c54_rentang_1 = 0;
int c55_rentang_1 = 0;

try {
    k.st = k.conn.createStatement();

    k.rs = k.st.executeQuery(sql_c11_fuzzy);
    while (k.rs.next()) {
        c11_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        //c11_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c11_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));

```

```

    }

    k.rs = k.st.executeQuery(sql_c12_fuzzy);
    while (k.rs.next()) {
        c12_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c12_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c12_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c13_fuzzy);
    while (k.rs.next()) {
        c13_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c13_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c13_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c14_fuzzy);
    while (k.rs.next()) {
        c14_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c14_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c14_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c15_fuzzy);
    while (k.rs.next()) {
        c15_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c15_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c15_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c16_fuzzy);
    while (k.rs.next()) {
        c16_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c16_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c16_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c17_fuzzy);
    while (k.rs.next()) {
        c17_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));

```



```

        //c17_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c17_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c21_fuzzy);
    while (k.rs.next()) {
        c21_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        //c21_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        c21_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c22_fuzzy);
    while (k.rs.next()) {
        c22_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c22_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        c22_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c23_fuzzy);
    while (k.rs.next()) {
        c23_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c23_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        c23_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c24_fuzzy);
    while (k.rs.next()) {
        c24_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c24_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        c24_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c25_fuzzy);
    while (k.rs.next()) {
        c25_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c25_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        c25_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
    }

```

```

        k.rs = k.st.executeQuery(sql_c26_fuzzy);
        while (k.rs.next()) {
            c26_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c26_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
            c26_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
        }

        k.rs = k.st.executeQuery(sql_c27_fuzzy);
        while (k.rs.next()) {
            c27_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            //c27_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
            c27_rentang_2 =
Integer.parseInt(k.rs.getString("rentang2"));
        }

        k.rs = k.st.executeQuery(sql_c31_fuzzy);
        while (k.rs.next()) {
            c31_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c31_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c32_fuzzy);
        while (k.rs.next()) {
            c32_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c32_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c33_fuzzy);
        while (k.rs.next()) {
            c33_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c33_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c34_fuzzy);
        while (k.rs.next()) {
            c34_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c34_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c35_fuzzy);
        while (k.rs.next()) {

```

```

        c35_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c35_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
    }

    k.rs = k.st.executeQuery(sql_c41_fuzzy);
    while (k.rs.next()) {
        c41_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        //c41_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c41_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c42_fuzzy);
    while (k.rs.next()) {
        c42_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c42_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c42_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c43_fuzzy);
    while (k.rs.next()) {
        c43_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c43_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c43_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c44_fuzzy);
    while (k.rs.next()) {
        c44_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        c44_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c44_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

    k.rs = k.st.executeQuery(sql_c45_fuzzy);
    while (k.rs.next()) {
        c45_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
        //c45_rentang_1 =
Float.parseFloat(k.rs.getString("rentang1"));
        c45_rentang_2 =
Float.parseFloat(k.rs.getString("rentang2"));
    }

```

```

        k.rs = k.st.executeQuery(sql_c51_fuzzy);
        while (k.rs.next()) {
            c51_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c51_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c52_fuzzy);
        while (k.rs.next()) {
            c52_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c52_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c53_fuzzy);
        while (k.rs.next()) {
            c53_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c53_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c54_fuzzy);
        while (k.rs.next()) {
            c54_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c54_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.rs = k.st.executeQuery(sql_c55_fuzzy);
        while (k.rs.next()) {
            c55_fuzzy_nilai =
Float.parseFloat(k.rs.getString("nilai"));
            c55_rentang_1 =
Integer.parseInt(k.rs.getString("rentang1"));
        }

        k.st.close();
        k.rs.close();
    } catch (SQLException ex) {

Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
ex);
    }
    // ambil data fuzzy simpan ke program - selesai
    */

    // ambil data bobot simpan ke program (dari class
admin_bobot)
    ab.ambil_data_bobot();

```

```

        /*
        // ambil data bobot simpan ke program - mulai
        String sql_c1_bobot = "SELECT nilai from bobot WHERE
id_bobot='C1'";
        String sql_c2_bobot = "SELECT nilai from bobot WHERE
id_bobot='C2'";
        String sql_c3_bobot = "SELECT nilai from bobot WHERE
id_bobot='C3'";
        String sql_c4_bobot = "SELECT nilai from bobot WHERE
id_bobot='C4'";
        String sql_c5_bobot = "SELECT nilai from bobot WHERE
id_bobot='C5'";

        float c1_bobot = 0;
        float c2_bobot = 0;
        float c3_bobot = 0;
        float c4_bobot = 0;
        float c5_bobot = 0;

        try {
            k.st = k.conn.createStatement();

            k.rs = k.st.executeQuery(sql_c1_bobot);
            while (k.rs.next()) {
                c1_bobot =
Float.parseFloat(k.rs.getString("nilai"));
            }
            k.rs = k.st.executeQuery(sql_c2_bobot);
            while (k.rs.next()) {
                c2_bobot =
Float.parseFloat(k.rs.getString("nilai"));
            }
            k.rs = k.st.executeQuery(sql_c3_bobot);
            while (k.rs.next()) {
                c3_bobot =
Float.parseFloat(k.rs.getString("nilai"));
            }
            k.rs = k.st.executeQuery(sql_c4_bobot);
            while (k.rs.next()) {
                c4_bobot =
Float.parseFloat(k.rs.getString("nilai"));
            }
            k.rs = k.st.executeQuery(sql_c5_bobot);
            while (k.rs.next()) {
                c5_bobot =
Float.parseFloat(k.rs.getString("nilai"));
            }

            k.st.close();
            k.rs.close();
        } catch (SQLException ex) {

Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
ex);
        }
        // ambil data bobot simpan ke program - selesai

```

```

*/

// langkah 1 normalisasi ke matrix x - mulai
float c1_nilai_matrix_x = 0;
float c2_nilai_matrix_x = 0;
float c3_nilai_matrix_x = 0;
float c4_nilai_matrix_x = 0;
float c5_nilai_matrix_x = 0;

try {
    for (; no_daftar_min_1 <= no_daftar_max_1;
no_daftar_min_1++) {
        String sql_normalisasi_matrix_x_1 = "SELECT
nilai_raport,jmlh_penghasilan_ortu,jmlh_tanggung_ortu,jrk_tempuh
_ke_sklh,jmlh_kegiatan_org FROM siswa WHERE no_daftar=" +
no_daftar_min_1 + " AND id_th_ajaran=" + ath.getIdThAjaran() + " ";

        float langkah1_nilai_raport = 0;
        int langkah1_jmlh_penghasilan_ortu = 0;
        int langkah1_jmlh_tanggung_ortu = 0;
        float langkah1_jrk_tempuh_ke_sklh = 0;
        int langkah1_jmlh_kegiatan_org = 0;

        k.st = k.conn.createStatement();
        k.rs =
k.st.executeQuery(sql_normalisasi_matrix_x_1);
        while (k.rs.next()) {
            langkah1_nilai_raport =
Float.parseFloat(k.rs.getString("nilai_raport"));
            langkah1_jmlh_penghasilan_ortu =
Integer.parseInt(k.rs.getString("jmlh_penghasilan_ortu"));
            langkah1_jmlh_tanggung_ortu =
Integer.parseInt(k.rs.getString("jmlh_tanggung_ortu"));
            langkah1_jrk_tempuh_ke_sklh =
Float.parseFloat(k.rs.getString("jrk_tempuh_ke_sklh"));
            langkah1_jmlh_kegiatan_org =
Integer.parseInt(k.rs.getString("jmlh_kegiatan_org"));
        }

        if (langkah1_nilai_raport != 0) {
            if (langkah1_nilai_raport <= af.c11_rentang_2)
{
                c1_nilai_matrix_x =
interpolasi(langkah1_nilai_raport,0,af.c11_rentang_2,0,af.c11_fuzz
y_nilai);
            } else if (langkah1_nilai_raport >=
af.c12_rentang_1 && langkah1_nilai_raport <= af.c12_rentang_2) {
                c1_nilai_matrix_x =
interpolasi(langkah1_nilai_raport,af.c12_rentang_1,af.c12_rentang_
2,af.c11_fuzzy_nilai,af.c12_fuzzy_nilai);
            } else if (langkah1_nilai_raport >=
af.c13_rentang_1 && langkah1_nilai_raport <= af.c13_rentang_2) {
                c1_nilai_matrix_x =
interpolasi(langkah1_nilai_raport,af.c13_rentang_1,af.c13_rentang_
2,af.c12_fuzzy_nilai,af.c13_fuzzy_nilai);
            }
        }
    }
}

```

```

        } else if (langkah1_nilai_raport >=
af.c14_rentang_1 && langkah1_nilai_raport <= af.c14_rentang_2) {
            c1_nilai_matrix_x =
interpolasi(langkah1_nilai_raport,af.c14_rentang_1,af.c14_rentang_
2,af.c13_fuzzy_nilai,af.c14_fuzzy_nilai);
        } else if (langkah1_nilai_raport >=
af.c15_rentang_1 && langkah1_nilai_raport <= af.c15_rentang_2) {
            c1_nilai_matrix_x =
interpolasi(langkah1_nilai_raport,af.c15_rentang_1,af.c15_rentang_
2,af.c14_fuzzy_nilai,af.c15_fuzzy_nilai);
        } else if (langkah1_nilai_raport >=
af.c16_rentang_1 && langkah1_nilai_raport <= af.c16_rentang_2) {
            c1_nilai_matrix_x =
interpolasi(langkah1_nilai_raport,af.c16_rentang_1,af.c16_rentang_
2,af.c15_fuzzy_nilai,af.c16_fuzzy_nilai);
        } else if (langkah1_nilai_raport >=
af.c17_rentang_2) {
            c1_nilai_matrix_x = af.c17_fuzzy_nilai;
//fix karna di atas 1
        }

        if (langkah1_jmlh_penghasilan_ortu <=
af.c21_rentang_2) {
            c2_nilai_matrix_x =
interpolasi(langkah1_jmlh_penghasilan_ortu,0,af.c21_rentang_2,0,af
.c21_fuzzy_nilai);
        } else if (langkah1_jmlh_penghasilan_ortu >=
af.c22_rentang_1 && langkah1_jmlh_penghasilan_ortu <=
af.c22_rentang_2) {
            c2_nilai_matrix_x =
interpolasi(langkah1_jmlh_penghasilan_ortu,af.c22_rentang_1,af.c22
_rentang_2,af.c21_fuzzy_nilai,af.c22_fuzzy_nilai);
        } else if (langkah1_jmlh_penghasilan_ortu >=
af.c23_rentang_1 && langkah1_jmlh_penghasilan_ortu <=
af.c23_rentang_2) {
            c2_nilai_matrix_x =
interpolasi(langkah1_jmlh_penghasilan_ortu,af.c23_rentang_1,af.c23
_rentang_2,af.c22_fuzzy_nilai,af.c23_fuzzy_nilai);
        } else if (langkah1_jmlh_penghasilan_ortu >=
af.c24_rentang_1 && langkah1_jmlh_penghasilan_ortu <=
af.c24_rentang_2) {
            c2_nilai_matrix_x =
interpolasi(langkah1_jmlh_penghasilan_ortu,af.c24_rentang_1,af.c24
_rentang_2,af.c23_fuzzy_nilai,af.c24_fuzzy_nilai);
        } else if (langkah1_jmlh_penghasilan_ortu >=
af.c25_rentang_1 && langkah1_jmlh_penghasilan_ortu <=
af.c25_rentang_2) {
            c2_nilai_matrix_x =
interpolasi(langkah1_jmlh_penghasilan_ortu,af.c25_rentang_1,af.c25
_rentang_2,af.c24_fuzzy_nilai,af.c25_fuzzy_nilai);
        } else if (langkah1_jmlh_penghasilan_ortu >=
af.c26_rentang_1 && langkah1_jmlh_penghasilan_ortu <=
af.c26_rentang_2) {
            c2_nilai_matrix_x =
interpolasi(langkah1_jmlh_penghasilan_ortu,af.c26_rentang_1,af.c26
_rentang_2,af.c25_fuzzy_nilai,af.c26_fuzzy_nilai);

```

```

    } else if (langkah1_jmlh_penghasilan_ortu >=
af.c27_rentang_2) {
        c2_nilai_matrix_x = af.c27_fuzzy_nilai;
//fix karna di atas 1
    }

    if (langkah1_jmlh_tanggung_ortu ==
af.c31_rentang_1) {
        c3_nilai_matrix_x = af.c31_fuzzy_nilai;
    } else if (langkah1_jmlh_tanggung_ortu ==
af.c32_rentang_1) {
        c3_nilai_matrix_x = af.c32_fuzzy_nilai;
    } else if (langkah1_jmlh_tanggung_ortu ==
af.c33_rentang_1) {
        c3_nilai_matrix_x = af.c33_fuzzy_nilai;
    } else if (langkah1_jmlh_tanggung_ortu ==
af.c34_rentang_1) {
        c3_nilai_matrix_x = af.c34_fuzzy_nilai;
    } else if (langkah1_jmlh_tanggung_ortu >=
af.c35_rentang_1) {
        c3_nilai_matrix_x = af.c35_fuzzy_nilai;
    }

    if (langkah1_jrk_tempuh_ke_sklh <=
af.c41_rentang_2) {
        c4_nilai_matrix_x = af.c41_fuzzy_nilai;
//fix karna di bawah 0
    } else if (langkah1_jrk_tempuh_ke_sklh >=
af.c42_rentang_1 && langkah1_jrk_tempuh_ke_sklh <=
af.c42_rentang_2) {
        c4_nilai_matrix_x =
interpolasi(langkah1_jrk_tempuh_ke_sklh,af.c42_rentang_1,af.c42_re
ntang_2,af.c41_fuzzy_nilai,af.c42_fuzzy_nilai);
    } else if (langkah1_jrk_tempuh_ke_sklh >=
af.c43_rentang_1 && langkah1_jrk_tempuh_ke_sklh <=
af.c43_rentang_2) {
        c4_nilai_matrix_x =
interpolasi(langkah1_jrk_tempuh_ke_sklh,af.c43_rentang_1,af.c43_re
ntang_2,af.c42_fuzzy_nilai,af.c43_fuzzy_nilai);
    } else if (langkah1_jrk_tempuh_ke_sklh >=
af.c44_rentang_1 && langkah1_jrk_tempuh_ke_sklh <=
af.c44_rentang_2) {
        c4_nilai_matrix_x =
interpolasi(langkah1_jrk_tempuh_ke_sklh,af.c44_rentang_1,af.c44_re
ntang_2,af.c43_fuzzy_nilai,af.c44_fuzzy_nilai);
    } else if (langkah1_jrk_tempuh_ke_sklh >=
af.c45_rentang_2) {
        c4_nilai_matrix_x = af.c45_fuzzy_nilai;
//fix karna di atas 1
    }

    if (langkah1_jmlh_kegiatan_org ==
af.c51_rentang_1) {
        c5_nilai_matrix_x = af.c51_fuzzy_nilai;
    } else if (langkah1_jmlh_kegiatan_org ==
af.c52_rentang_1) {

```



```

        c5_nilai_matrix_x = af.c52_fuzzy_nilai;
    } else if (langkah1_jmlh_kegiatan_org ==
af.c53_rentang_1) {
        c5_nilai_matrix_x = af.c53_fuzzy_nilai;
    } else if (langkah1_jmlh_kegiatan_org ==
af.c54_rentang_1) {
        c5_nilai_matrix_x = af.c54_fuzzy_nilai;
    } else if (langkah1_jmlh_kegiatan_org >=
af.c55_rentang_1) {
        c5_nilai_matrix_x = af.c55_fuzzy_nilai;
    }

    String sql_normalisasi_matrix_x_2 = "insert
into normalisasi_matrix_x (no_daftar, id_th_ajaran, c1, c2, c3,
c4, c5) "
        + "values ('" + no_daftar_min_1 +
        "'" + ath.getIdThAjaran() + "','" + c1_nilai_matrix_x + "','" +
c2_nilai_matrix_x + "','" + c3_nilai_matrix_x + "','" +
c4_nilai_matrix_x + "','" + c5_nilai_matrix_x + "');"
        k.st.execute(sql_normalisasi_matrix_x_2);
    }

    k.st.close();
    k.rs.close();
}
} catch (SQLException ex) {

Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
ex);
}
// langkah 1 normalisasi ke matrix x - selesai

// langkah 2 normalisasi ke matrix r - mulai
String sql_c1_max = "SELECT MAX(c1) AS max FROM
normalisasi_matrix_x WHERE id_th_ajaran=" + ath.getIdThAjaran() +
"";

String sql_c2_min = "SELECT MIN(c2) AS min FROM
normalisasi_matrix_x WHERE id_th_ajaran=" + ath.getIdThAjaran() +
"";

String sql_c3_max = "SELECT MAX(c3) AS max FROM
normalisasi_matrix_x WHERE id_th_ajaran=" + ath.getIdThAjaran() +
"";

String sql_c4_max = "SELECT MAX(c4) AS max FROM
normalisasi_matrix_x WHERE id_th_ajaran=" + ath.getIdThAjaran() +
"";

String sql_c5_max = "SELECT MAX(c5) AS max FROM
normalisasi_matrix_x WHERE id_th_ajaran=" + ath.getIdThAjaran() +
"";

float c1_max = 0;
float c2_min = 0;
float c3_max = 0;
float c4_max = 0;
float c5_max = 0;

float c1_nilai_matrix_r;

```

```

float c2_nilai_matrix_r;
float c3_nilai_matrix_r;
float c4_nilai_matrix_r;
float c5_nilai_matrix_r;

try {
    k.st = k.conn.createStatement();

    k.rs = k.st.executeQuery(sql_c1_max);
    while (k.rs.next()) {
        c1_max = Float.parseFloat(k.rs.getString("max"));
    }
    k.rs = k.st.executeQuery(sql_c2_min);
    while (k.rs.next()) {
        c2_min = Float.parseFloat(k.rs.getString("min"));
    }
    k.rs = k.st.executeQuery(sql_c3_max);
    while (k.rs.next()) {
        c3_max = Float.parseFloat(k.rs.getString("max"));
    }
    k.rs = k.st.executeQuery(sql_c4_max);
    while (k.rs.next()) {
        c4_max = Float.parseFloat(k.rs.getString("max"));
    }
    k.rs = k.st.executeQuery(sql_c5_max);
    while (k.rs.next()) {
        c5_max = Float.parseFloat(k.rs.getString("max"));
    }

    k.st.close();
    k.rs.close();
} catch (SQLException ex) {

Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
ex);
}

try {
    for (; no_daftar_min_2 <= no_daftar_max_2;
no_daftar_min_2++) {
        String sql_normalisasi_matrix_r_1 = "SELECT
c1,c2,c3,c4,c5 FROM normalisasi_matrix_x WHERE no_daftar=" +
no_daftar_min_2 + " AND id_th_ajaran=" + ath.getIdThAjaran() + "";

        float langkah2_c1 = 0;
        float langkah2_c2 = 0;
        float langkah2_c3 = 0;
        float langkah2_c4 = 0;
        float langkah2_c5 = 0;

        k.st = k.conn.createStatement();
        k.rs =
k.st.executeQuery(sql_normalisasi_matrix_r_1);
        while (k.rs.next()) {
            langkah2_c1 =
Float.parseFloat(k.rs.getString("c1"));

```

```

        langkah2_c2 =
Float.parseFloat(k.rs.getString("c2"));
        langkah2_c3 =
Float.parseFloat(k.rs.getString("c3"));
        langkah2_c4 =
Float.parseFloat(k.rs.getString("c4"));
        langkah2_c5 =
Float.parseFloat(k.rs.getString("c5"));
    }

    if (langkah2_c1 != 0) {
        c1_nilai_matrix_r = langkah2_c1 / c1_max;
        c2_nilai_matrix_r = c2_min / langkah2_c2;
        c3_nilai_matrix_r = langkah2_c3 / c3_max;
        c4_nilai_matrix_r = langkah2_c4 / c4_max;
        c5_nilai_matrix_r = langkah2_c5 / c5_max;

        String sql_normalisasi_matrix_r_2 = "insert
into normalisasi_matrix_r (no_daftar, id_th_ajaran, c1, c2, c3,
c4, c5) "
                                + "values ('" + no_daftar_min_2 +
                                "','" + ath.getIdThAjaran() + "','" + c1_nilai_matrix_r + "','" +
                                c2_nilai_matrix_r + "','" + c3_nilai_matrix_r + "','" +
                                c4_nilai_matrix_r + "','" + c5_nilai_matrix_r + "')";
        k.st.execute(sql_normalisasi_matrix_r_2);
    }

    k.st.close();
    k.rs.close();
}
} catch (SQLException ex) {

Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
ex);
}
// langkah 2 normalisasi ke matrix r - selesai

// langkah 3 perankingan - mulai
float c1_hasil_akhir;
float c2_hasil_akhir;
float c3_hasil_akhir;
float c4_hasil_akhir;
float c5_hasil_akhir;

float total;

try {
    for (; no_daftar_min_3 <= no_daftar_max_3;
no_daftar_min_3++) {
        String sql_perankingan_1 = "SELECT c1,c2,c3,c4,c5
FROM normalisasi_matrix_r WHERE no_daftar=" + no_daftar_min_3 + "
AND id_th_ajaran=" + ath.getIdThAjaran() + """;

        float langkah3_c1 = 0;
        float langkah3_c2 = 0;
        float langkah3_c3 = 0;

```

```

        float langkah3_c4 = 0;
        float langkah3_c5 = 0;

        k.st = k.conn.createStatement();
        k.rs = k.st.executeQuery(sql_perankingan_1);
        while (k.rs.next()) {
            langkah3_c1 =
Float.parseFloat(k.rs.getString("c1"));
            langkah3_c2 =
Float.parseFloat(k.rs.getString("c2"));
            langkah3_c3 =
Float.parseFloat(k.rs.getString("c3"));
            langkah3_c4 =
Float.parseFloat(k.rs.getString("c4"));
            langkah3_c5 =
Float.parseFloat(k.rs.getString("c5"));
        }

        if (langkah3_c1 != 0) {
            c1_hasil_akhir = (ab.c1_bobot * langkah3_c1);
            c2_hasil_akhir = (ab.c2_bobot * langkah3_c2);
            c3_hasil_akhir = (ab.c3_bobot * langkah3_c3);
            c4_hasil_akhir = (ab.c4_bobot * langkah3_c4);
            c5_hasil_akhir = (ab.c5_bobot * langkah3_c5);
            total = c1_hasil_akhir + c2_hasil_akhir +
c3_hasil_akhir + c4_hasil_akhir + c5_hasil_akhir;

            String sql_perankingan_2 = "insert into
hasil_akhir (no_daftar, id_th_ajaran, c1, c2, c3, c4, c5, total) "
                + "values ('" + no_daftar_min_3 +
            "','" + ath.getIdThAjaran() + "','" + c1_hasil_akhir + "','" +
            c2_hasil_akhir + "','" + c3_hasil_akhir + "','" + c4_hasil_akhir +
            "','" + c5_hasil_akhir + "','" + total + "');"
            k.st.execute(sql_perankingan_2);
        }

        k.st.close();
        k.rs.close();
    }
} catch (SQLException ex) {

Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
ex);
    }
    // langkah 3 perankingan - selesai
}
}

```

## PACKED user (user.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package user;

import spkbeasiswafmadmnsaw.tabel_header_render_tengah;
import spkbeasiswafmadmnsaw.tabel_isi_render_tengah;
import admin.admin_tahun_ajaran;
import java.sql.SQLException;
import java.util.HashMap;
import java.util.Map;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JDialog;
import javax.swing.JOptionPane;
import javax.swing.JTable;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.JTableHeader;
import javax.swing.table.TableCellRenderer;
import javax.swing.table.TableColumn;
import net.sf.jasperreports.engine.JRException;
import net.sf.jasperreports.engine.JasperFillManager;
import net.sf.jasperreports.engine.JasperPrint;
import net.sf.jasperreports.engine.JasperReport;
import net.sf.jasperreports.engine.design.JasperDesign;
import net.sf.jasperreports.swing.JRViewer;
import spkbeasiswafmadmnsaw.koneksi;

/**
 *
 * @author dxdiaxz7z
 */
public class user extends javax.swing.JFrame {

    koneksi k;
    admin_tahun_ajaran ath;
    hitung ht;
    TableColumn column;
    JasperReport JasRep;
    JasperPrint JasPri;
    JasperDesign JasDes;
    Map<String, Object> param = new HashMap<String, Object>();
    public TableCellRenderer tengah = new
tabel_isi_render_tengah();
    JTable table = new JTable();
    JTableHeader header = table.getTableHeader();

    /**
     * Creates new form user
     */
    public user() {
        initComponents();
        setLocationRelativeTo(null);
    }
}
```

```

        k = new koneksi();
        k.koneksi();

        ath = new admin_tahun_ajaran(this,
rootPaneCheckingEnabled);

        ht = new hitung();

        // set rdo cari default
        rdoNama.setSelected(true);

        // menampilkan tabel data siswa default
        sql_daftar_siswa = "SELECT
no_daftar,nisn,nama_siswa,kelamin,kelas,tempat_lahir,DATE_FORMAT(t
gl_lahir, '%d-%m-%Y') AS tgl_lahir,alamat_siswa FROM siswa where
id_th_ajaran='" + ath.getIdThAjaran() + "'";
        this.TampilkanTabel_DaftarSiswa();

        // menampilkan tabel data siswa perangkingan
        this.ambilPrioritas();
        sql_perangkingan = "SELECT
nisn,nama_siswa,kelamin,kelas,c1,c2,c3,c4,c5,total "
+ "FROM hasil_akhir INNER JOIN siswa ON
(hasil_akhir.no_daftar = siswa.no_daftar) WHERE
siswa.id_th_ajaran='" + ath.getIdThAjaran() + "' ORDER BY total
DESC," + prioritas1 + " DESC," + prioritas2 + " DESC," +
prioritas3 + " DESC," + prioritas4 + " DESC," + prioritas5 + "
DESC,nama_siswa ASC";
        this.TampilkanTabel_Perangkingan();
    }

    // ambil prioritas - mulai
    // khusus kirim ke ireport
    String prioritas1 = "";
    String prioritas2 = "";
    String prioritas3 = "";
    String prioritas4 = "";
    String prioritas5 = "";
    String nm_prioritas1 = "";
    String nm_prioritas2 = "";
    String nm_prioritas3 = "";
    String nm_prioritas4 = "";
    String nm_prioritas5 = "";

    // khusus untuk tabel perangkingan (local)
    String singkatan_kriteria1 = "";
    String singkatan_kriteria2 = "";
    String singkatan_kriteria3 = "";
    String singkatan_kriteria4 = "";
    String singkatan_kriteria5 = "";
    int no_array1;
    int no_array2;
    int no_array3;
    int no_array4;
    int no_array5;

```

```

// data dari database
String dataC1 = "";
String dataC2 = "";
String dataC3 = "";
String dataC4 = "";
String dataC5 = "";

final void ambilPrioritas() {
    try {
        String sql_data_prioritas = "Select prioritas from
bobot";

        k.st = k.conn.createStatement();
        k.rs = k.st.executeQuery(sql_data_prioritas);

        k.rs.next();
        dataC1 = k.rs.getString("prioritas");
        k.rs.next();
        dataC2 = k.rs.getString("prioritas");
        k.rs.next();
        dataC3 = k.rs.getString("prioritas");
        k.rs.next();
        dataC4 = k.rs.getString("prioritas");
        k.rs.next();
        dataC5 = k.rs.getString("prioritas");

        k.st.close();
        k.rs.close();
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Gagal Check");

        Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
ex);
    }

    if (dataC1.equals("1")) {
        prioritas1 = "c1";
        nm_prioritas1 = "Nilai\nRata - Rata\nRaport";
        singkatan_kriteria1 = "NRR";
        no_array1 = 5;
    } else if (dataC1.equals("2")) {
        prioritas2 = "c1";
        nm_prioritas2 = "Nilai\nRata - Rata\nRaport";
        singkatan_kriteria2 = "NRR";
        no_array2 = 5;
    } else if (dataC1.equals("3")) {
        prioritas3 = "c1";
        nm_prioritas3 = "Nilai\nRata - Rata\nRaport";
        singkatan_kriteria3 = "NRR";
        no_array3 = 5;
    } else if (dataC1.equals("4")) {
        prioritas4 = "c1";
        nm_prioritas4 = "Nilai\nRata - Rata\nRaport";
        singkatan_kriteria4 = "NRR";
        no_array4 = 5;
    }
}

```

```

} else if (dataC1.equals("5")) {
    prioritas5 = "c1";
    nm_prioritas5 = "Nilai\nRata - Rata\nRaport";
    singkatan_kriteria5 = "NRR";
    no_array5 = 5;
}

if (dataC2.equals("1")) {
    prioritas1 = "c2";
    nm_prioritas1 = "Jumlah\nPenghasilan\nOrang Tua";
    singkatan_kriteria1 = "JPO";
    no_array1 = 6;
} else if (dataC2.equals("2")) {
    prioritas2 = "c2";
    nm_prioritas2 = "Jumlah\nPenghasilan\nOrang Tua";
    singkatan_kriteria2 = "JPO";
    no_array2 = 6;
} else if (dataC2.equals("3")) {
    prioritas3 = "c2";
    nm_prioritas3 = "Jumlah\nPenghasilan\nOrang Tua";
    singkatan_kriteria3 = "JPO";
    no_array3 = 6;
} else if (dataC2.equals("4")) {
    prioritas4 = "c2";
    nm_prioritas4 = "Jumlah\nPenghasilan\nOrang Tua";
    singkatan_kriteria4 = "JPO";
    no_array4 = 6;
} else if (dataC2.equals("5")) {
    prioritas5 = "c2";
    nm_prioritas5 = "Jumlah\nPenghasilan\nOrang Tua";
    singkatan_kriteria5 = "JPO";
    no_array5 = 6;
}

if (dataC3.equals("1")) {
    prioritas1 = "c3";
    nm_prioritas1 = "Jumlah\nTanggung\nOrang Tua";
    singkatan_kriteria1 = "JTO";
    no_array1 = 7;
} else if (dataC3.equals("2")) {
    prioritas2 = "c3";
    nm_prioritas2 = "Jumlah\nTanggung\nOrang Tua";
    singkatan_kriteria2 = "JTO";
    no_array2 = 7;
} else if (dataC3.equals("3")) {
    prioritas3 = "c3";
    nm_prioritas3 = "Jumlah\nTanggung\nOrang Tua";
    singkatan_kriteria3 = "JTO";
    no_array3 = 7;
} else if (dataC3.equals("4")) {
    prioritas4 = "c3";
    nm_prioritas4 = "Jumlah\nTanggung\nOrang Tua";
    singkatan_kriteria4 = "JTO";
    no_array4 = 7;
} else if (dataC3.equals("5")) {
    prioritas5 = "c3";
}

```



```

        nm_prioritas5 = "Jumlah\nTanggung\nOrang Tua";
        singkatan_kriteria5 = "JTO";
        no_array5 = 7;
    }

    if (dataC4.equals("1")) {
        prioritas1 = "c4";
        nm_prioritas1 = "Jarak\nTempuh ke\nSekolah";
        singkatan_kriteria1 = "JTS";
        no_array1 = 8;
    } else if (dataC4.equals("2")) {
        prioritas2 = "c4";
        nm_prioritas2 = "Jarak\nTempuh ke\nSekolah";
        singkatan_kriteria2 = "JTS";
        no_array2 = 8;
    } else if (dataC4.equals("3")) {
        prioritas3 = "c4";
        nm_prioritas3 = "Jarak\nTempuh ke\nSekolah";
        singkatan_kriteria3 = "JTS";
        no_array3 = 8;
    } else if (dataC4.equals("4")) {
        prioritas4 = "c4";
        nm_prioritas4 = "Jarak\nTempuh ke\nSekolah";
        singkatan_kriteria4 = "JTS";
        no_array4 = 8;
    } else if (dataC4.equals("5")) {
        prioritas5 = "c4";
        nm_prioritas5 = "Jarak\nTempuh ke\nSekolah";
        singkatan_kriteria5 = "JTS";
        no_array5 = 8;
    }

    if (dataC5.equals("1")) {
        prioritas1 = "c5";
        nm_prioritas1 = "Jumlah\nKegiatan\nOrganisasi";
        singkatan_kriteria1 = "JKO";
        no_array1 = 9;
    } else if (dataC5.equals("2")) {
        prioritas2 = "c5";
        nm_prioritas2 = "Jumlah\nKegiatan\nOrganisasi";
        singkatan_kriteria2 = "JKO";
        no_array2 = 9;
    } else if (dataC5.equals("3")) {
        prioritas3 = "c5";
        nm_prioritas3 = "Jumlah\nKegiatan\nOrganisasi";
        singkatan_kriteria3 = "JKO";
        no_array3 = 9;
    } else if (dataC5.equals("4")) {
        prioritas4 = "c5";
        nm_prioritas4 = "Jumlah\nKegiatan\nOrganisasi";
        singkatan_kriteria4 = "JKO";
        no_array4 = 9;
    } else if (dataC5.equals("5")) {
        prioritas5 = "c5";
        nm_prioritas5 = "Jumlah\nKegiatan\nOrganisasi";
        singkatan_kriteria5 = "JKO";
    }

```

```

        no_array5 = 9;
    }
}
// ambil prioritas - selesai

// fungsi menampilkan tabel data siswa - mulai
String sql_daftar_siswa = ""; // query yang di eksekusi
Object[][] list_daftar_siswa;
Object[] header_daftar_siswa = {"No Daftar", "No", "NISN",
"Nama Siswa", "Jenis Kelamin", "Kelas", "Tempat Lahir", "Tanggal
Lahir", "Alamat"};
int no = 1; // selalu set jadi 1 dahulu apabila dipanggil
berkali2

Object[][] getList_DaftarSiswa() {
    try {
        k.st = k.conn.createStatement();
        k.rs = k.st.executeQuery(sql_daftar_siswa);

        k.rs.last();
        int rows = k.rs.getRow();
        k.rs.beforeFirst();
        list_daftar_siswa = new Object[rows][9];
        for (int i = 0; i < rows; i++) {
            k.rs.next();
            list_daftar_siswa[i][0] = k.rs.getString(1);
            list_daftar_siswa[i][1] = no++;
            list_daftar_siswa[i][2] = k.rs.getString(2);
            list_daftar_siswa[i][3] = k.rs.getString(3);
            list_daftar_siswa[i][4] = k.rs.getString(4);
            list_daftar_siswa[i][5] = k.rs.getString(5);
            list_daftar_siswa[i][6] = k.rs.getString(6);
            list_daftar_siswa[i][7] = k.rs.getString(7);
            list_daftar_siswa[i][8] = k.rs.getString(8);
        }
        k.st.close();
        k.rs.close();
    } catch (SQLException exception) {

Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
exception);
    }
    return list_daftar_siswa;
}

final void TampilkanTabel_DaftarSiswa() {
    no = 1;
    DefaultTableModel tableModel = new
DefaultTableModel(getList_DaftarSiswa(), header_daftar_siswa);
tblDaftarDataSiswa.setModel(tableModel);
// seting lebar
column = tblDaftarDataSiswa.getColumnModel().getColumn(0);
column.setPreferredWidth(40);
column = tblDaftarDataSiswa.getColumnModel().getColumn(1);
column.setPreferredWidth(10);
column = tblDaftarDataSiswa.getColumnModel().getColumn(2);

```

```

        column.setPreferredWidth(50);
        column = tblDaftarDataSiswa.getColumnModel().getColumn(3);
        column.setPreferredWidth(150);
        column = tblDaftarDataSiswa.getColumnModel().getColumn(4);
        column.setPreferredWidth(60);
        column = tblDaftarDataSiswa.getColumnModel().getColumn(5);
        column.setPreferredWidth(35);
        column = tblDaftarDataSiswa.getColumnModel().getColumn(6);
        column.setPreferredWidth(70);
        column = tblDaftarDataSiswa.getColumnModel().getColumn(7);
        column.setPreferredWidth(60);
        column = tblDaftarDataSiswa.getColumnModel().getColumn(8);
        column.setPreferredWidth(190);
        // Seting rata tengah
        header.setDefaultRenderer(new
tabel_header_render_tengah(tblDaftarDataSiswa));

tblDaftarDataSiswa.getColumnModel().getColumn(0).setCellRenderer(t
engah);

tblDaftarDataSiswa.getColumnModel().getColumn(1).setCellRenderer(t
engah);

tblDaftarDataSiswa.getColumnModel().getColumn(2).setCellRenderer(t
engah);

tblDaftarDataSiswa.getColumnModel().getColumn(4).setCellRenderer(t
engah);

tblDaftarDataSiswa.getColumnModel().getColumn(5).setCellRenderer(t
engah);

tblDaftarDataSiswa.getColumnModel().getColumn(7).setCellRenderer(t
engah);
        this.refreshDataSpesifik();
    }
    // fungsi menampilkan tabel data siswa - selesai

    // fungsi menampilkan tabel data siswa perangkingan - mulai
    String sql_perangkingan = ""; // query yang di eksekusi
    Object[][] list_perangkingan;
    // khusus perangkingan header letakkan di bawah
    //Object[] header_perangkingan = {"Rangking", "NISN", "Nama
Siswa", "Jenis Kelamin", "Kelas", singkatan_kriterial,
singkatan_kriteria2, singkatan_kriteria3, singkatan_kriteria4,
singkatan_kriteria5, "Total Nilai"};
    int rank = 1; // selalu set jadi 1 dahulu apabila dipanggil
berkali2

    Object[][] getList_Perangkingan() {
        try {
            k.st = k.conn.createStatement();
            k.rs = k.st.executeQuery(sql_perangkingan);

            k.rs.last();
            int rows = k.rs.getRow();

```

```

        k.rs.beforeFirst();
        list_perangkingan = new Object[rows][11];
        for (int i = 0; i < rows; i++) {
            k.rs.next();
            list_perangkingan[i][0] = rank++;
            list_perangkingan[i][1] = k.rs.getString(1);
            list_perangkingan[i][2] = k.rs.getString(2);
            list_perangkingan[i][3] = k.rs.getString(3);
            list_perangkingan[i][4] = k.rs.getString(4);
            list_perangkingan[i][5] =
k.rs.getString(no_array1);
            list_perangkingan[i][6] =
k.rs.getString(no_array2);
            list_perangkingan[i][7] =
k.rs.getString(no_array3);
            list_perangkingan[i][8] =
k.rs.getString(no_array4);
            list_perangkingan[i][9] =
k.rs.getString(no_array5);
            list_perangkingan[i][10] = k.rs.getString(10);
        }
        k.st.close();
        k.rs.close();
    } catch (SQLException exception) {

```

```

        Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
exception);
    }
    return list_perangkingan;
}

```

```

final void TampilkanTabel_Perangkingan() {
    rank = 1;
    Object[] header_perangkingan = {"Rangking", "NISN", "Nama
Siswa", "Jenis Kelamin", "Kelas", singkatan_kriterial,
singkatan_kriteria2, singkatan_kriteria3, singkatan_kriteria4,
singkatan_kriteria5, "Total Nilai"};
    DefaultTableModel tableModel = new
DefaultTableModel(getList_Perangkingan(), header_perangkingan);
    tblPerangkingan.setModel(tableModel);
    // seting lebar
    column = tblPerangkingan.getColumnModel().getColumn(0);
    column.setPreferredWidth(80);
    column = tblPerangkingan.getColumnModel().getColumn(1);
    column.setPreferredWidth(100);
    column = tblPerangkingan.getColumnModel().getColumn(2);
    column.setPreferredWidth(200);
    column = tblPerangkingan.getColumnModel().getColumn(3);
    column.setPreferredWidth(110);
    column = tblPerangkingan.getColumnModel().getColumn(4);
    // Seting rata tengah
    header.setDefaultRenderer(new
tabel_header_render_tengah(tblPerangkingan));

tblPerangkingan.getColumnModel().getColumn(0).setCellRenderer(teng
ah);

```

```

tblPerangkingan.getColumnModel().getColumn(1).setCellRenderer(tengah);

tblPerangkingan.getColumnModel().getColumn(3).setCellRenderer(tengah);

tblPerangkingan.getColumnModel().getColumn(4).setCellRenderer(tengah);

tblPerangkingan.getColumnModel().getColumn(5).setCellRenderer(tengah);

tblPerangkingan.getColumnModel().getColumn(6).setCellRenderer(tengah);

tblPerangkingan.getColumnModel().getColumn(7).setCellRenderer(tengah);

tblPerangkingan.getColumnModel().getColumn(8).setCellRenderer(tengah);

tblPerangkingan.getColumnModel().getColumn(9).setCellRenderer(tengah);

tblPerangkingan.getColumnModel().getColumn(10).setCellRenderer(tengah);
}
// fungsi menampilkan tabel data siswa perangkingan - selesai

// menampilkan data bobot - mulai
void TampilkanBobot() {
    try {
        k.st = k.conn.createStatement();

        String sql_bobot_1 = "select nilai,bilangan_fuzzy from
bobot where id_bobot='C1'";
        k.rs = k.st.executeQuery(sql_bobot_1);
        while (k.rs.next()) {
            txtNilaiFuzzy1.setText(k.rs.getString("nilai"));

txtBilanganFuzzy1.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sql_bobot_2 = "select nilai,bilangan_fuzzy from
bobot where id_bobot='C2'";
        k.rs = k.st.executeQuery(sql_bobot_2);
        while (k.rs.next()) {
            txtNilaiFuzzy2.setText(k.rs.getString("nilai"));

txtBilanganFuzzy2.setText(k.rs.getString("bilangan_fuzzy"));
        }

        String sql_bobot_3 = "select nilai,bilangan_fuzzy from
bobot where id_bobot='C3'";
        k.rs = k.st.executeQuery(sql_bobot_3);

```

```

        while (k.rs.next()) {
            txtNilaiFuzzy3.setText(k.rs.getString("nilai"));
        }
    txtBilanganFuzzy3.setText(k.rs.getString("bilangan_fuzzy"));
}

    String sql_bobot_4 = "select nilai,bilangan_fuzzy from
bobot where id_bobot='C4'";
    k.rs = k.st.executeQuery(sql_bobot_4);
    while (k.rs.next()) {
        txtNilaiFuzzy4.setText(k.rs.getString("nilai"));
    }
    txtBilanganFuzzy4.setText(k.rs.getString("bilangan_fuzzy"));
}

    String sql_bobot_5 = "select nilai,bilangan_fuzzy from
bobot where id_bobot='C5'";
    k.rs = k.st.executeQuery(sql_bobot_5);
    while (k.rs.next()) {
        txtNilaiFuzzy5.setText(k.rs.getString("nilai"));
    }
    txtBilanganFuzzy5.setText(k.rs.getString("bilangan_fuzzy"));
}

    k.st.close();
    k.rs.close();
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(this, "Gagal Check");

    Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
ex);
}
}
// menampilkan data bobot - selesai

// refresh edit n cari
void refreshEditnCari() {
    txtEditNoDaftar.setText(null);
    txtCariSiswa.setText(null);
    rdoNama.setSelected(true);
}

// refresh dataspesifik
void refreshDataSpesifik() {
    txtNoDaftar.setText(null);
    txtNisn.setText(null);
    txtNamaSiswa.setText(null);
    txtTahunAjaran.setText(null);
    txtJenisKelamin.setText(null);
    txtKelas.setText(null);
    txtTempatLahir.setText(null);
    txtTanggalLahir.setText(null);
    txtNamaOrtu.setText(null);
    txtPekerjaanOrtu.setText(null);
    txtAlamatSiswa.setText(null);
    txtNilaiRata2Raport.setText(null);
}

```

```

        txtJumlahPenghasilanOrtu.setText(null);
        txtJumlahTanggunganOrtu.setText(null);
        txtJarakTempuhKeSekolah.setText(null);
        txtJumlahKegiatanOrganisasi.setText(null);
    }

    /**
     * This method is called from within the constructor to
     initialize the form.
     * WARNING: Do NOT modify this code. The content of this
     method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated
Code">
    private void initComponents() {

        rdgCari = new javax.swing.ButtonGroup();
        jTabbedPane1 = new javax.swing.JTabbedPane();
        jPanel1 = new javax.swing.JPanel();
        jPanel4 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        lblsesi1 = new javax.swing.JLabel();
        lblTahunAjaranT1 = new javax.swing.JLabel();
        jPanel5 = new javax.swing.JPanel();
        jPanel7 = new javax.swing.JPanel();
        txtCariSiswa = new javax.swing.JTextField();
        btnCariSiswa = new javax.swing.JButton();
        jPanel8 = new javax.swing.JPanel();
        rdoNama = new javax.swing.JRadioButton();
        rdoNisn = new javax.swing.JRadioButton();
        rdoNoDaftar = new javax.swing.JRadioButton();
        btnPerbaharuiTabel = new javax.swing.JButton();
        jPanel9 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        tblDaftarDataSiswa = new javax.swing.JTable();
        jPanel3 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel12 = new javax.swing.JLabel();
        jLabel13 = new javax.swing.JLabel();
        jLabel14 = new javax.swing.JLabel();
        txtNoDaftar = new javax.swing.JTextField();
        txtNisn = new javax.swing.JTextField();
        txtNamaSiswa = new javax.swing.JTextField();
        txtTahunAjaran = new javax.swing.JTextField();
        jLabel15 = new javax.swing.JLabel();
        jLabel17 = new javax.swing.JLabel();
        jLabel18 = new javax.swing.JLabel();
        txtJenisKelamin = new javax.swing.JTextField();
        jLabel20 = new javax.swing.JLabel();
        jLabel16 = new javax.swing.JLabel();
        jLabel19 = new javax.swing.JLabel();
        jLabel23 = new javax.swing.JLabel();
        jLabel24 = new javax.swing.JLabel();
        jLabel25 = new javax.swing.JLabel();
    }

```

```

jLabel26 = new javax.swing.JLabel();
txtTanggallahir = new javax.swing.JTextField();
txtTempatLahir = new javax.swing.JTextField();
txtKelas = new javax.swing.JTextField();
jLabel27 = new javax.swing.JLabel();
jLabel28 = new javax.swing.JLabel();
txtPekerjaanOrtu = new javax.swing.JTextField();
jScrollPane3 = new javax.swing.JScrollPane();
txtAlamatSiswa = new javax.swing.JTextArea();
txtNilaiRata2Raport = new javax.swing.JTextField();
txtJumlahPenghasilanOrtu = new javax.swing.JTextField();
txtJumlahTanggungOrtu = new javax.swing.JTextField();
txtJarakTempuhKeSekolah = new javax.swing.JTextField();
txtJumlahKegiatanOrganisasi = new
javax.swing.JTextField();
txtNamaOrtu = new javax.swing.JTextField();
jPanel18 = new javax.swing.JPanel();
jLabel19 = new javax.swing.JLabel();
txtEditNoDaftar = new javax.swing.JTextField();
btnSuntingSiswa = new javax.swing.JButton();
jSeparator1 = new javax.swing.JSeparator();
btnTambahSiswa = new javax.swing.JButton();
jSeparator2 = new javax.swing.JSeparator();
jPanel19 = new javax.swing.JPanel();
jLabel21 = new javax.swing.JLabel();
cboTahunAjaran = new javax.swing.JComboBox();
btnPilihTahunAjaran = new javax.swing.JButton();
jPanel2 = new javax.swing.JPanel();
jPanel6 = new javax.swing.JPanel();
jLabel3 = new javax.swing.JLabel();
lblsesi2 = new javax.swing.JLabel();
lblTahunAjaranT2 = new javax.swing.JLabel();
jPanel12 = new javax.swing.JPanel();
jPanel13 = new javax.swing.JPanel();
jLabel4 = new javax.swing.JLabel();
txtBilanganFuzzy1 = new javax.swing.JTextField();
jLabel5 = new javax.swing.JLabel();
txtBilanganFuzzy2 = new javax.swing.JTextField();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
txtNilaiFuzzy1 = new javax.swing.JTextField();
txtNilaiFuzzy2 = new javax.swing.JTextField();
txtNilaiFuzzy3 = new javax.swing.JTextField();
txtNilaiFuzzy4 = new javax.swing.JTextField();
txtBilanganFuzzy3 = new javax.swing.JTextField();
txtNilaiFuzzy5 = new javax.swing.JTextField();
txtBilanganFuzzy4 = new javax.swing.JTextField();
txtBilanganFuzzy5 = new javax.swing.JTextField();
jPanel15 = new javax.swing.JPanel();
jScrollPane2 = new javax.swing.JScrollPane();
tblPerangkingan = new javax.swing.JTable();
jPanel17 = new javax.swing.JPanel();
btnProsesPerangkingan = new javax.swing.JButton();
jMenuBar2 = new javax.swing.JMenuBar();
jmUser = new javax.swing.JMenu();

```



```

        jmiProfileUser = new javax.swing.JMenuItem();
        jmiGantiPassword = new javax.swing.JMenuItem();
        jmCetak = new javax.swing.JMenu();
        jmiCetakDaftarSiswa = new javax.swing.JMenuItem();
        jmiCetakHasilPerangkingan = new javax.swing.JMenuItem();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE
);
        setTitle("SPK Penerimaan Beasiswa SMAN 1 PLERET");
        addWindowListener(new java.awt.event.WindowAdapter() {
            public void windowActivated(java.awt.event.WindowEvent
evt) {
                formWindowActivated(evt);
            }
        });

        jPanel4.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

        jLabel1.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("DATA SISWA");

        lblsesil.setText("User :");

lblTahunAjaranT1.setHorizontalAlignment(javax.swing.SwingConstants
.RIGHT);
        lblTahunAjaranT1.setText("Tahun Ajaran :");

        javax.swing.GroupLayout jPanel4Layout = new
javax.swing.GroupLayout(jPanel4);
        jPanel4.setLayout(jPanel4Layout);
        jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addGroup(jPanel4Layout.createSequentialGroup()
                .addGap(10, 10, 0, true)
                .addGroup(jPanel4Layout.createParallelGroup(javax.swi
ng.GroupLayout.Alignment.LEADING)
                    .addComponent(lblsesil,
javax.swing.GroupLayout.PREFERRED_SIZE, 225,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacem
ent.RELATED)
                    .addComponent(jLabel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                )
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacem
ent.RELATED)
        );
    }
}

```

```

        .addComponent(lblTahunAjaranT1,
javafx.swing.GroupLayout.PREFERRED_SIZE, 225,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())
    );
    jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javafx.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(lblTahunAjaranT1,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(lblsesi1,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel1,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    jPanel5.setBorder(new
javafx.swing.border.SoftBevelBorder(javafx.swing.border.BevelBorder.
RAISED));

jPanel7.setBorder(javafx.swing.BorderFactory.createTitledBorder("Ca
ri Siswa"));

txtCariSiswa.setHorizontalAlignment(javafx.swing.JTextField.CENTER)
;

    btnCariSiswa.setText("Cari");
    btnCariSiswa.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnCariSiswaActionPerformed(evt);
        }
    });

jPanel8.setBorder(javafx.swing.BorderFactory.createLineBorder(new
java.awt.Color(204, 204, 204)));

    rdgCari.add(rdoNama);
    rdoNama.setText("Nama");

    rdgCari.add(rdoNisn);
    rdoNisn.setText("NISN");
    rdoNisn.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            rdoNisnActionPerformed(evt);
        }
    });

```

```

    });

    rdgCari.add(rdoNoDaftar);
    rdoNoDaftar.setText("No Daftar");
    rdoNoDaftar.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            rdoNoDaftarActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel8Layout = new
javax.swing.GroupLayout(jPanel8);
    jPanel8.setLayout(jPanel8Layout);
    jPanel8Layout.setHorizontalGroup(

jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel8Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(rdoNama)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
            .addComponent(rdoNoDaftar)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
            .addComponent(rdoNisn)
            .addContainerGap(61, Short.MAX_VALUE)
        );
    jPanel8Layout.setVerticalGroup(

jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(rdoNama,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(rdoNoDaftar,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(rdoNisn,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    btnPerbaharuiTabel.setText("Perbaharui Tabel");
    btnPerbaharuiTabel.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnPerbaharuiTabelActionPerformed(evt);
        }
    });

```

```

        javax.swing.GroupLayout jPanel7Layout = new
javax.swing.GroupLayout (jPanel7);
        jPanel7.setLayout (jPanel7Layout);
        jPanel7Layout.setHorizontalGroup(

jPanel7Layout.createParallelGroup (javax.swing.GroupLayout.Alignmen
t.LEADING)
                .addGroup (jPanel7Layout.createSequentialGroup ()
                        .addContainerGap ()

                .addGroup (jPanel7Layout.createParallelGroup (javax.swing.GroupLayout.Alignmen
t.Alignment.LEADING)
                        .addComponent (txtCariSiswa)
                        .addComponent (jPanel8,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

                .addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addGroup (jPanel7Layout.createParallelGroup (javax.swing.GroupLayout.Alignmen
t.Alignment.LEADING, false)
                        .addComponent (btnPerbaharuiTabel,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent (btnCariSiswa,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                        .addContainerGap ())
                );
        jPanel7Layout.setVerticalGroup(

jPanel7Layout.createParallelGroup (javax.swing.GroupLayout.Alignmen
t.LEADING)
                .addGroup (jPanel7Layout.createSequentialGroup ()
                        .addGap (1, 1, 1)

                .addGroup (jPanel7Layout.createParallelGroup (javax.swing.GroupLayout.Alignmen
t.Alignment.BASELINE)
                        .addComponent (txtCariSiswa,
javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent (btnCariSiswa))

                .addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addGroup (jPanel7Layout.createParallelGroup (javax.swing.GroupLayout.Alignmen
t.Alignment.LEADING)
                        .addComponent (btnPerbaharuiTabel,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent (jPanel8,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                        .addContainerGap ())

```

```

);

jPanel9.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Daftar Data Siswa", javax.swing.border.TitledBorder.CENTER, javax.swing.border.TitledBorder.DEFAULT_POSITION));

        tblDaftarDataSiswa.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {

            },
            new String [] {

            }
        ));
        tblDaftarDataSiswa.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                tblDaftarDataSiswaMouseClicked(evt);
            }
        });
        jScrollPane1.setViewportViewView(tblDaftarDataSiswa);

        javax.swing.GroupLayout jPanel9Layout = new javax.swing.GroupLayout(jPanel9);
        jPanel9.setLayout(jPanel9Layout);
        jPanel9Layout.setHorizontalGroup(
jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jScrollPane1)
        );
        jPanel9Layout.setVerticalGroup(
jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 193, Short.MAX_VALUE)
        );

jPanel13.setBorder(javax.swing.BorderFactory.createTitledBorder("Data Spesifik"));

        jLabel2.setText("No Daftar :");

        jLabel12.setText("Nama Siswa :");

        jLabel13.setText("NISN :");

        jLabel14.setText("Tahun Ajaran :");

        txtNoDaftar.setEditable(false);
        txtNoDaftar.setBackground(java.awt.Color.lightGray);

```

```
txtNisn.setEditable(false);
txtNisn.setBackground(java.awt.Color.lightGray);

txtNamaSiswa.setEditable(false);
txtNamaSiswa.setBackground(java.awt.Color.lightGray);
txtNamaSiswa.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        txtNamaSiswaActionPerformed(evt);
    }
});

txtTahunAjaran.setEditable(false);
txtTahunAjaran.setBackground(java.awt.Color.lightGray);

jLabel15.setText("Kelas :");

jLabel17.setText("Tempat Lahir :");

jLabel18.setText("Tgl Lahir :");

txtJenisKelamin.setEditable(false);
txtJenisKelamin.setBackground(java.awt.Color.lightGray);

jLabel20.setText("Jenis Kelamin :");

jLabel16.setText("Alamat Siswa :");

jLabel19.setText("Jumlah Penghasilan Ortu :");

jLabel23.setText("Nilai Rata - Rata Raport :");

jLabel24.setText("Jumlah Tanggungan Ortu :");

jLabel25.setText("Jarak Tempuh ke Sekolah :");

jLabel26.setText("Jumlah Kegiatan Organisasi :");

txtTanggalLahir.setEditable(false);
txtTanggalLahir.setBackground(java.awt.Color.lightGray);

txtTempatLahir.setEditable(false);
txtTempatLahir.setBackground(java.awt.Color.lightGray);

txtKelas.setEditable(false);
txtKelas.setBackground(java.awt.Color.lightGray);

jLabel27.setText("Nama Ortu :");

jLabel28.setText("Pekerjaan Ortu :");

txtPekerjaanOrtu.setEditable(false);
txtPekerjaanOrtu.setBackground(java.awt.Color.lightGray);
```

```

        txtAlamatSiswa.setEditable(false);
        txtAlamatSiswa.setBackground(java.awt.Color.lightGray);
        txtAlamatSiswa.setColumns(20);
        txtAlamatSiswa.setLineWrap(true);
        txtAlamatSiswa.setRows(5);
        txtAlamatSiswa.setWrapStyleWord(true);
        jScrollPane3.setViewportView(txtAlamatSiswa);

        txtNilaiRata2Raport.setEditable(false);

txtNilaiRata2Raport.setBackground(java.awt.Color.lightGray);

txtNilaiRata2Raport.setHorizontalAlignment(javax.swing.JTextField.
CENTER);
        txtNilaiRata2Raport.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtNilaiRata2RaportActionPerformed(evt);
            }
        });

        txtJumlahPenghasilanOrtu.setEditable(false);

txtJumlahPenghasilanOrtu.setBackground(java.awt.Color.lightGray);

txtJumlahPenghasilanOrtu.setHorizontalAlignment(javax.swing.JTextF
ield.CENTER);

        txtJumlahTanggungOrtu.setEditable(false);

txtJumlahTanggungOrtu.setBackground(java.awt.Color.lightGray);

txtJumlahTanggungOrtu.setHorizontalAlignment(javax.swing.JTextFi
eld.CENTER);

        txtJarakTempuhKeSekolah.setEditable(false);

txtJarakTempuhKeSekolah.setBackground(java.awt.Color.lightGray);

txtJarakTempuhKeSekolah.setHorizontalAlignment(javax.swing.JTextF
ield.CENTER);

        txtJumlahKegiatanOrganisasi.setEditable(false);

txtJumlahKegiatanOrganisasi.setBackground(java.awt.Color.lightGray
);

txtJumlahKegiatanOrganisasi.setHorizontalAlignment(javax.swing.JTe
xtField.CENTER);

        txtNamaOrtu.setEditable(false);
        txtNamaOrtu.setBackground(java.awt.Color.lightGray);
        txtNamaOrtu.addActionListener(new
java.awt.event.ActionListener() {

```

```

        public void actionPerformed(java.awt.event.ActionEvent
    evt) {
            txtNamaOrtuActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel3Layout = new
    javax.swing.GroupLayout(jPanel3);
    jPanel3.setLayout(jPanel3Layout);
    jPanel3Layout.setHorizontalGroup(

    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
    t.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.Grou
    pLayout.Alignment.LEADING, false)
                .addComponent(jLabel20,
    javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel14,
    javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel2,
    javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel13,
    javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel12,
    javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addContainerGap())
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.Grou
    pLayout.Alignment.LEADING, false)
            .addComponent(txtNoDaftar,
    javax.swing.GroupLayout.PREFERRED_SIZE, 80,
    javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(txtJenisKelamin,
    javax.swing.GroupLayout.PREFERRED_SIZE, 80,
    javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(txtTahunAjaran,
    javax.swing.GroupLayout.DEFAULT_SIZE, 139, Short.MAX_VALUE)
            .addComponent(txtNisn,
    javax.swing.GroupLayout.PREFERRED_SIZE, 120,
    javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(txtNamaSiswa))
            .addContainerGap())
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacemen
    t.UNRELATED)
    );

```



```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
    .addComponent(jLabel17,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel28,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel27,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel18,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel15,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(txtKelas,
javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(txtTanggalLahir,
javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(txtNamaOrtu,
javax.swing.GroupLayout.DEFAULT_SIZE, 120, Short.MAX_VALUE)
    .addComponent(txtPekerjaanOrtu))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jScrollPane3,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
    .addComponent(jLabel16,
javax.swing.GroupLayout.DEFAULT_SIZE, 139, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

```

```

        .addComponent(jLabel24,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel26,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel19,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel23,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel25,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel3Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.LEADING)
        .addComponent(txtJumlahPenghasilanOrtu,
javafx.swing.GroupLayout.PREFERRED_SIZE, 96,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtNilaiRata2Raport,
javafx.swing.GroupLayout.PREFERRED_SIZE, 45,
javafx.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel3Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.TRAILING, false)
        .addComponent(txtJumlahTanggungOrtu,
javafx.swing.GroupLayout.Alignment.LEADING,
javafx.swing.GroupLayout.DEFAULT_SIZE, 45, Short.MAX_VALUE)
        .addComponent(txtJumlahKegiatanOrganisasi,
javafx.swing.GroupLayout.Alignment.LEADING)
        .addComponent(txtJarakTempuhKeSekolah,
javafx.swing.GroupLayout.Alignment.LEADING))
        .addContainerGap(21, Short.MAX_VALUE))
    );
    jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javafx.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.TRAILING)

.addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javafx.swing.GroupLayout
t.Alignment.BASELINE)
        .addComponent(jLabel16)
        .addComponent(jLabel23)
        .addComponent(txtNilaiRata2Raport,
javafx.swing.GroupLayout.PREFERRED_SIZE,

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javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()
.addGap(7, 7, 7)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
.addComponent(jLabel19)

.addComponent(txtJumlahPenghasilanOrtu,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
.addComponent(jLabel24)

.addComponent(txtJumlahTanggunganOrtu,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
.addComponent(jLabel25)

.addComponent(txtJarakTempuhKeSekolah,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
.addComponent(jLabel26)

.addComponent(txtJumlahKegiatanOrganisasi,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(0, 0, Short.MAX_VALUE))

.addGroup(jPanel3Layout.createSequentialGroup()

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```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                .addComponent(jScrollPane3)))

.addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
                .addComponent(jLabel2)
                .addComponent(txtNoDaftar,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel15)
                .addComponent(txtKelas,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
                .addComponent(jLabel13)
                .addComponent(txtNisn,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel17)
                .addComponent(txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
                .addComponent(txtNamaSiswa,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel12)
                .addComponent(jLabel18)
                .addComponent(txtTanggalLahir,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

```

```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel14)
        .addComponent(txtTahunAjaran,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel27)
        .addComponent(txtNamaOrtu,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel20)
        .addComponent(txtJenisKelamin,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel28)
        .addComponent(txtPekerjaanOrtu,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(10, 10, 10)
);

jPanel18.setBorder(javax.swing.BorderFactory.createTitledBorder("Tambah & Sunting Siswa"));

jLabel9.setText("No Daftar");

txtEditNoDaftar.setHorizontalAlignment(javax.swing.JTextField.CENTER);
txtEditNoDaftar.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtEditNoDaftarKeyTyped(evt);
    }
});

btnSuntingSiswa.setText("Sunting");
btnSuntingSiswa.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnSuntingSiswaActionPerformed(evt);
    }
});

```

```

        btnTambahSiswa.setText("Tambah Siswa");
        btnTambahSiswa.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnTambahSiswaActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel18Layout = new
javax.swing.GroupLayout(jPanel18);
        jPanel18.setLayout(jPanel18Layout);
        jPanel18Layout.setHorizontalGroup(

jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
            .addGroup(jPanel18Layout.createSequentialGroup()
                .add(jPanel18Layout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING, false)
                    .addComponent(jSeparator2)
                    .addComponent(jSeparator1)

                .add(jPanel18Layout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
                    .addComponent(jLabel9)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacem
ent.RELATED)
                    .addComponent(txtEditNoDaftar,
javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacem
ent.RELATED)
                    .addComponent(btnSuntingSiswa)
                    .addComponent(btnTambahSiswa)

                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            );
        jPanel18Layout.setVerticalGroup(

jPanel18Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
            .addGroup(jPanel18Layout.createSequentialGroup()
                .add(jPanel18Layout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.LEADING)
                    .addComponent(btnTambahSiswa)
                    .addGap(9, 9, 9)
                    .addComponent(jSeparator1,
javax.swing.GroupLayout.PREFERRED_SIZE, 2,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacem
ent.RELATED)

```

```

.addGroup(jPanell18Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(btnSuntingSiswa)
        .addComponent(txtEditNoDaftar,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel19))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jSeparator2,
javax.swing.GroupLayout.PREFERRED_SIZE, 2,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );

jPanell19.setBorder(javax.swing.BorderFactory.createTitledBorder("Tahun Ajaran"));
jPanell19.setPreferredSize(new java.awt.Dimension(244,
99));

jLabel21.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
jLabel21.setText("Rubah Tahun Ajaran");

btnPilihTahunAjaran.setText("Pilih");
btnPilihTahunAjaran.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnPilihTahunAjaranActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanell19Layout = new
javax.swing.GroupLayout(jPanell19);
jPanell19.setLayout(jPanell19Layout);
jPanell19Layout.setHorizontalGroup(

jPanell19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanell19Layout.createSequentialGroup()
        .addContainerGap()

.addGroup(jPanell19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel21,
javax.swing.GroupLayout.DEFAULT_SIZE, 155, Short.MAX_VALUE)

```

```

                .addComponent(cboTahunAjaran, 0,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(btnPilihTahunAjaran)
                .addContainerGap())
        );
        jPanel19Layout.setVerticalGroup(

jPanel19Layout.createParallelGroup(javafx.swing.GroupLayout.Alignme
nt.LEADING)

                .addGroup(jPanel19Layout.createSequentialGroup())
                .addComponent(jLabel21)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

        .addGroup(jPanel19Layout.createParallelGroup(javafx.swing.GroupLayo
ut.Alignment.BASELINE)

                .addComponent(btnPilihTahunAjaran)
                .addComponent(cboTahunAjaran,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(0, 0, Short.MAX_VALUE))
        );

        javafx.swing.GroupLayout jPanel5Layout = new
javafx.swing.GroupLayout(jPanel5);
        jPanel5.setLayout(jPanel5Layout);
        jPanel5Layout.setHorizontalGroup(

jPanel5Layout.createParallelGroup(javafx.swing.GroupLayout.Alignmen
t.LEADING)

                .addGroup(jPanel5Layout.createSequentialGroup())
                .addComponent(jPanel18,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(jPanel7,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(jPanel19,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))
                .addComponent(jPanel9,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```



```

        .addComponent(jPanel3,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    jPanel5Layout.setVerticalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup())

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING, false)
            .addComponent(jPanel18,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jPanel7,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel19,
javax.swing.GroupLayout.DEFAULT_SIZE, 109, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
            .addComponent(jPanel9,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
            .addComponent(jPanel3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    );

    javax.swing.GroupLayout jPanel11Layout = new
javax.swing.GroupLayout(jPanel11);
    jPanel11.setLayout(jPanel11Layout);
    jPanel11Layout.setHorizontalGroup(

jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel5,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel4,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
    jPanel11Layout.setVerticalGroup(

jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel11Layout.createSequentialGroup())
            .addComponent(jPanel4,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jPanel5,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

        jTabbedPane.addTab("Data Siswa", jPanel1);

        jPanel6.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

        jLabel3.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel3.setText("PERANGKINGAN");

lblsesi2.setText("User :");

lblTahunAjaranT2.setHorizontalAlignment(javax.swing.SwingConstants
.RIGHT);
        lblTahunAjaranT2.setText("Tahun Ajaran :");

        javax.swing.GroupLayout jPanel6Layout = new
javax.swing.GroupLayout(jPanel6);
        jPanel6.setLayout(jPanel6Layout);
        jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(lblsesi2,
javax.swing.GroupLayout.PREFERRED_SIZE, 225,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(10, 10, 10)
            .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 387, Short.MAX_VALUE)

            .addGap(10, 10, 10)
            .addComponent(lblTahunAjaranT2,
javax.swing.GroupLayout.PREFERRED_SIZE, 225,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10)
        );
        jPanel6Layout.setVerticalGroup(

```

```

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(lblTahunAjaranT2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(lblsesi2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jLabel3,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

jPanel12.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jPanel13.setBorder(javax.swing.BorderFactory.createTitledBorder("B
obot Kriteria"));

jLabel4.setText("NRR :");

txtBilanganFuzzy1.setEditable(false);
txtBilanganFuzzy1.setBackground(java.awt.Color.lightGray);
txtBilanganFuzzy1.setMargin(new java.awt.Insets(2, 5, 2,
5));
txtBilanganFuzzy1.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        txtBilanganFuzzy1ActionPerformed(evt);
    }
});

jLabel5.setText("JPO :");

txtBilanganFuzzy2.setEditable(false);
txtBilanganFuzzy2.setBackground(java.awt.Color.lightGray);
txtBilanganFuzzy2.setMargin(new java.awt.Insets(2, 5, 2,
5));

jLabel6.setText("JTO :");

jLabel7.setText("JTS :");

jLabel8.setText("JKO :");

txtNilaiFuzzy1.setEditable(false);
txtNilaiFuzzy1.setBackground(java.awt.Color.lightGray);

txtNilaiFuzzy1.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
txtNilaiFuzzy1.addActionListener(new
java.awt.event.ActionListener() {

```

```

        public void actionPerformed(java.awt.event.ActionEvent
    evt) {
            txtNilaiFuzzy1ActionPerformed(evt);
        }
    });

    txtNilaiFuzzy2.setEditable(false);
    txtNilaiFuzzy2.setBackground(java.awt.Color.lightGray);

    txtNilaiFuzzy2.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtNilaiFuzzy2.addActionListener(new
    java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
    evt) {
            txtNilaiFuzzy2ActionPerformed(evt);
        }
    });

    txtNilaiFuzzy3.setEditable(false);
    txtNilaiFuzzy3.setBackground(java.awt.Color.lightGray);

    txtNilaiFuzzy3.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtNilaiFuzzy3.addActionListener(new
    java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
    evt) {
            txtNilaiFuzzy3ActionPerformed(evt);
        }
    });

    txtNilaiFuzzy4.setEditable(false);
    txtNilaiFuzzy4.setBackground(java.awt.Color.lightGray);

    txtNilaiFuzzy4.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
    txtNilaiFuzzy4.addActionListener(new
    java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
    evt) {
            txtNilaiFuzzy4ActionPerformed(evt);
        }
    });

    txtBilanganFuzzy3.setEditable(false);
    txtBilanganFuzzy3.setBackground(java.awt.Color.lightGray);
    txtBilanganFuzzy3.setMargin(new java.awt.Insets(2, 5, 2,
5));
    txtBilanganFuzzy3.addActionListener(new
    java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
    evt) {
            txtBilanganFuzzy3ActionPerformed(evt);
        }
    });

```

```

        txtNilaiFuzzy5.setEditable(false);
        txtNilaiFuzzy5.setBackground(java.awt.Color.lightGray);

txtNilaiFuzzy5.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);
        txtNilaiFuzzy5.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtNilaiFuzzy5ActionPerformed(evt);
            }
        });

        txtBilanganFuzzy4.setEditable(false);
        txtBilanganFuzzy4.setBackground(java.awt.Color.lightGray);
        txtBilanganFuzzy4.setMargin(new java.awt.Insets(2, 5, 2,
5));

        txtBilanganFuzzy5.setEditable(false);
        txtBilanganFuzzy5.setBackground(java.awt.Color.lightGray);
        txtBilanganFuzzy5.setMargin(new java.awt.Insets(2, 5, 2,
5));
        txtBilanganFuzzy5.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtBilanganFuzzy5ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel13Layout = new
javax.swing.GroupLayout(jPanel13);
        jPanel13.setLayout(jPanel13Layout);
        jPanel13Layout.setHorizontalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
            .addGroup(jPanel13Layout.createSequentialGroup()
                .addGroup(jPanel13Layout.createParallelGroup(javax.s
wing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(jLabel14,
javax.swing.GroupLayout.DEFAULT_SIZE, 36, Short.MAX_VALUE)
                    .addComponent(jLabel15,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
            .addGroup(jPanel13Layout.createParallelGroup(javax.s
wing.GroupLayout.Alignment.LEADING)

```

```

        .addComponent(txtNilaiFuzzy1,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtNilaiFuzzy2,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)
        .addComponent(txtBilanganFuzzy1,
javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtBilanganFuzzy2,
javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING, false)
        .addComponent(jLabel7,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel6,
javax.swing.GroupLayout.DEFAULT_SIZE, 36, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)
        .addComponent(txtNilaiFuzzy3,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtNilaiFuzzy4,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.LEADING)

.addGroup(jPanel13Layout.createSequentialGroup()
        .addComponent(txtBilanganFuzzy3,
javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

```

```

        .addComponent(jLabel8,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(txtNilaiFuzzy5,
javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(txtBilanganFuzzy5,
javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(txtBilanganFuzzy4,
javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );
    jPanel13Layout.setVerticalGroup(

jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
        .addGroup(jPanel13Layout.createSequentialGroup())

.addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(jLabel4)
        .addComponent(txtBilanganFuzzy1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel6)
        .addComponent(txtNilaiFuzzy1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtNilaiFuzzy3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel8)
        .addComponent(txtBilanganFuzzy3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtNilaiFuzzy5,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtBilanganFuzzy5,
javax.swing.GroupLayout.PREFERRED_SIZE,

```

```

javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanell13Layout.createParallelGroup(javax.swing.GroupLayo
ut.Alignment.BASELINE)
        .addComponent(jLabel5)
        .addComponent(txtBilanganFuzzy2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel7)
        .addComponent(txtNilaiFuzzy2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtNilaiFuzzy4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtBilanganFuzzy4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtBilanganFuzzy4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(0, 12, Short.MAX_VALUE)
    );

jPanell15.setBorder(javax.swing.BorderFactory.createTitledBorder(nu
ll, "Daftar Hasil Perangkingan Penerimaan Beasiswa",
javax.swing.border.TitledBorder.CENTER,
javax.swing.border.TitledBorder.DEFAULT_POSITION));

tblPerangkingan.setModel(new
javax.swing.table.DefaultTableModel(
    new Object [][] {

    },
    new String [] {

    }
));
tblPerangkingan.addMouseListener(new
java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent
evt) {
        tblPerangkinganMouseClicked(evt);
    }
});
jScrollPane2.setViewportViewView(tblPerangkingan);

javax.swing.GroupLayout jPanell15Layout = new
javax.swing.GroupLayout(jPanell15);
jPanell15.setLayout(jPanell15Layout);

```



```

        jPanel15Layout.setHorizontalGroup(

jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jScrollPane2)
    );
    jPanel15Layout.setVerticalGroup(

jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jScrollPane2,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

jPanel17.setBorder(javax.swing.BorderFactory.createTitledBorder("Proses roses"));

        btnProsesPerankingan.setText("Proses Perankingan");
        btnProsesPerankingan.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnProsesPerankinganActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel17Layout = new
javax.swing.GroupLayout(jPanel17);
        jPanel17.setLayout(jPanel17Layout);
        jPanel17Layout.setHorizontalGroup(

jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel17Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(btnProsesPerankingan,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
        );
        jPanel17Layout.setVerticalGroup(

jPanel17Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel17Layout.createSequentialGroup()
            .addComponent(btnProsesPerankingan,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
        );

        javax.swing.GroupLayout jPanel12Layout = new
javax.swing.GroupLayout(jPanel12);
        jPanel12.setLayout(jPanel12Layout);
        jPanel12Layout.setHorizontalGroup(

```

```

jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel12Layout.createSequentialGroup()
        .addComponent(jPanel13,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addComponent(jPanel17,
                javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(jPanel15,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
jPanel12Layout.setVerticalGroup(

jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel12Layout.createSequentialGroup()

        .addGroup(jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jPanel17,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel13,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addComponent(jPanel15,
                javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel12,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel16,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
jPanel2Layout.setVerticalGroup(

```

```

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jPanel6,
            javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel12,
            javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
jTabbedPane1.addTab("Perangkingan", jPanel2);
jmUser.setText("User");
jmiProfileUser.setText("Profile User");
jmiProfileUser.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        jmiProfileUserActionPerformed(evt);
    }
});
jmUser.add(jmiProfileUser);
jmiGantiPassword.setText("Ganti Password");
jmiGantiPassword.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        jmiGantiPasswordActionPerformed(evt);
    }
});
jmUser.add(jmiGantiPassword);
jMenuBar2.add(jmUser);
jmCetak.setText("Cetak");
jmiCetakDaftarSiswa.setText("Cetak Daftar Data Siswa");
jmiCetakDaftarSiswa.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        jmiCetakDaftarSiswaActionPerformed(evt);
    }
});
jmCetak.add(jmiCetakDaftarSiswa);
jmiCetakHasilPerangkingan.setText("Cetak Hasil
Perangkingan");

```

```

        jmiCetakHasilPerangkingan.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        jmiCetakHasilPerangkinganActionPerformed(evt);
    }
});
jmCetak.add(jmiCetakHasilPerangkingan);

jMenuBar2.add(jmCetak);

setJMenuBar(jMenuBar2);

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(jTabbedPane1)
        .addGap(0, 0, 0)
    );
layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jTabbedPane1)
);

pack();
} // </editor-fold>

private void
btnCariSiswaActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if (txtCariSiswa.getText().isEmpty()) {
        JOptionPane.showMessageDialog(this, "Kolom isian tidak
boleh kosong");
        txtCariSiswa.requestFocusInWindow();
    } else {
        String where;
        String cari = txtCariSiswa.getText();

        if (rdoNama.isSelected()) {
            where = "where id_th_ajaran='" +
ath.getIdThAjaran() + "' and nama_siswa like '%" + cari + "%'";
        } else if (rdoNoDaftar.isSelected()) {
            where = "where id_th_ajaran='" +
ath.getIdThAjaran() + "' and no_daftar like '%" + cari + "%'";
        } else if (rdoNisn.isSelected()) {
            where = "where id_th_ajaran='" +
ath.getIdThAjaran() + "' and nisn like '%" + cari + "%'";
        } else {
            where = "";

```

```

    }

    sql_daftar_siswa = "SELECT
no_daftar,nisn,nama_siswa,kelamin,kelas,tempat_lahir,DATE_FORMAT(t
gl_lahir, '%d-%m-%Y') AS tgl_lahir,alamat_siswa FROM siswa " +
where + """;
    this.TampilkanTabel_DaftarSiswa();
    txtEditNoDaftar.setText(null);
}

private void
rdoNoDaftarActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void
tblDaftarDataSiswaMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    int row = tblDaftarDataSiswa.getSelectedRow();
    txtEditNoDaftar.setText(tblDaftarDataSiswa.getValueAt(row,
0).toString());

    try {
        String no_daftar = tblDaftarDataSiswa.getValueAt(row,
0).toString();
        String sql_data_spesifik = "SELECT
no_daftar,nisn,nama_siswa,nm_th_ajaran,kelamin,kelas,tempat_lahir,
tgl_lahir,"
        +
        "nama_ortu,pekerjaan_ortu,alamat_siswa,nilai_raport,format(jmlh_pe
nghasilan_ortu,0) as jmlh_penghasilan_ortu,jmlh_tanggung_ortu,"
        + "jrk_tempuh_ke_sklh,jmlh_kegiatan_org "
        + "FROM siswa INNER JOIN tahun_ajaran ON
(siswa.id_th_ajaran=tahun_ajaran.id_th_ajaran) WHERE no_daftar='"
+ no_daftar + "' AND siswa.id_th_ajaran='" + ath.getIdThAjaran() +
"'";

        k.st = k.conn.createStatement();
        k.rs = k.st.executeQuery(sql_data_spesifik);

        while (k.rs.next()) {
            txtNoDaftar.setText(k.rs.getString("no_daftar"));
            txtNisn.setText(k.rs.getString("nisn"));

            txtNamaSiswa.setText(k.rs.getString("nama_siswa"));
            txtNamaSiswa.setCaretPosition(0);

            txtTahunAjaran.setText(k.rs.getString("nm_th_ajaran"));

            txtJenisKelamin.setText(k.rs.getString("kelamin"));
            txtKelas.setText(k.rs.getString("kelas"));

            txtTempatLahir.setText(k.rs.getString("tempat_lahir"));
            k.BalikanTglKeJava(k.rs.getString("tgl_lahir"));
            txtTanggalLahir.setText(k.getBalikanTglKeJava());
            txtNamaOrtu.setText(k.rs.getString("nama_ortu"));

```

```

        txtNamaOrtu.setCaretPosition(0);

txtPekerjaanOrtu.setText(k.rs.getString("pekerjaan_ortu"));

txtAlamatSiswa.setText(k.rs.getString("alamat_siswa"));

txtNilaiRata2Raport.setText(k.rs.getString("nilai_raport"));
        txtJumlahPenghasilanOrtu.setText("Rp " +
k.rs.getString("jmlh_penghasilan_ortu"));

txtJumlahTanggungOrtu.setText(k.rs.getString("jmlh_tanggung_or
tu"));

txtJarakTempuhKeSekolah.setText(k.rs.getString("jrk_tempuh_ke_sklh
"));

txtJumlahKegiatanOrganisasi.setText(k.rs.getString("jmlh_kegiatan_
org"));
    }
    k.st.close();
    k.rs.close();
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(this, "Gagal Check");

Logger.getLogger(user.class.getName()).log(Level.SEVERE, null,
ex);
    }
}

private void rdoNisnActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
}

private void
tblPerangkinganMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
}

private void
btnProsesPerangkinganActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
    // hitung data
    ht.hitung();

    // menampilkan tabel data siswa perangkingan
    this.ambilPrioritas();
    sql_perangkingan = "SELECT
nisn,nama_siswa,kelamin,kelas,c1,c2,c3,c4,c5,total "
+ "FROM hasil_akhir INNER JOIN siswa ON
(hasil_akhir.no_daftar = siswa.no_daftar) WHERE
siswa.id_th_ajaran='" + ath.getIdThAjaran() + "' ORDER BY total
DESC," + prioritas1 + " DESC," + prioritas2 + " DESC," +
prioritas3 + " DESC," + prioritas4 + " DESC," + prioritas5 + "
DESC,nama_siswa ASC";

```

```

        this.TampilkanTabel_Perangkingan();

        JOptionPane.showMessageDialog(this, "Proses Perangkingan
Selesai");

        System.out.println("SELESAI");
    }

    private void formWindowActivated(java.awt.event.WindowEvent
evt) {
        // TODO add your handling code here:
        // tampilan atas
        lblsesi1.setText("User : " + k.getNamaSession());
        lblsesi2.setText("User : " + k.getNamaSession());
        lblTahunAjaranT1.setText("Tahun Ajaran : " +
ath.getNmThAjaran());
        lblTahunAjaranT2.setText("Tahun Ajaran : " +
ath.getNmThAjaran());

        // combo
        ath.IsiComboThAjaran(cboTahunAjaran);
        cboTahunAjaran.setSelectedItem(ath.getNmThAjaran());

        //// tampilkan data bobot
        this.TampilkanBobot();
    }

    private void txtEditNoDaftarKeyTyped(java.awt.event.KeyEvent
evt) {
        // TODO add your handling code here:
        if (txtNoDaftar.getText().length() >= 5) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void
btnSuntingSiswaActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if (txtEditNoDaftar.getText().isEmpty()) {
            JOptionPane.showMessageDialog(this, "No Daftar tidak
boleh kosong");
            txtEditNoDaftar.requestFocusInWindow();
        } else {
            try {
                String sql_sunting = "select no_daftar from siswa
where no_daftar=" + txtEditNoDaftar.getText() + " AND
id_th_ajaran=" + ath.getIdThAjaran() + """;
                k.st = k.conn.createStatement();
                k.rs = k.st.executeQuery(sql_sunting);
                String coba = "";
                while (k.rs.next()) {
                    coba = k.rs.getString("no_daftar");
                }
            }

```

```

        if (coba.isEmpty()) {
            JOptionPane.showMessageDialog(this, "Data
tidak valid");
            txtEditNoDaftar.setText(null);
        } else {
            k.id_edit = txtEditNoDaftar.getText();
            user_siswa_edit dialog = new
user_siswa_edit(new javax.swing.JFrame(), true);
            dialog.setVisible(true);
        }
        k.st.close();
        k.rs.close();
    } catch (SQLException ex) {
    }
}

private void
btnTambahSiswaActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    user_siswa_tambah dialog = new user_siswa_tambah(new
javax.swing.JFrame(), true);
    dialog.setVisible(true);
}

private void
txtNamaSiswaActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void
txtNamaOrtuActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void
txtNilaiFuzzy1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void
txtNilaiFuzzy2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void
txtNilaiFuzzy3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void
txtNilaiFuzzy4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```



```

        private void
txtNilaiFuzzy5ActionPerformed(java.awt.event.ActionEvent evt) {
            // TODO add your handling code here:
        }

        private void
txtBilanganFuzzy1ActionPerformed(java.awt.event.ActionEvent evt) {
            // TODO add your handling code here:
        }

        private void
txtBilanganFuzzy3ActionPerformed(java.awt.event.ActionEvent evt) {
            // TODO add your handling code here:
        }

        private void
txtBilanganFuzzy5ActionPerformed(java.awt.event.ActionEvent evt) {
            // TODO add your handling code here:
        }

        private void
txtNilaiRata2RaportActionPerformed(java.awt.event.ActionEvent evt)
{
            // TODO add your handling code here:
        }

        private void
btnPerbaharuiTabelActionPerformed(java.awt.event.ActionEvent evt)
{
            // TODO add your handling code here:
            // menampilkan tabel data siswa default
            sql_daftar_siswa = "SELECT
no_daftar,nisn,nama_siswa,kelamin,kelas,tempat_lahir,DATE_FORMAT(t
gl_lahir, '%d-%m-%Y') AS tgl_lahir,alamat_siswa FROM siswa where
id_th_ajaran='" + ath.getIdThAjaran() + "'";
            this.TampilkanTabel_DaftarSiswa();

            this.refreshEditnCari();
        }

        private void
btnPilihTahunAjaranActionPerformed(java.awt.event.ActionEvent evt)
{
            // TODO add your handling code here:

ath.setIdnNmThAjaran(cboTahunAjaran.getSelectedItem().toString());

            // tampilan atas
            lblTahunAjaranT1.setText("Tahun Ajaran : " +
ath.getNmThAjaran());
            lblTahunAjaranT2.setText("Tahun Ajaran : " +
ath.getNmThAjaran());

            // menampilkan tabel data siswa default
            sql_daftar_siswa = "SELECT
no_daftar,nisn,nama_siswa,kelamin,kelas,tempat_lahir,DATE_FORMAT(t

```

```

    gl_lahir, '%d-%m-%Y') AS tgl_lahir, alamat_siswa FROM siswa where
    id_th_ajaran='" + ath.getIdThAjaran() + "'";
        this.TampilkanTabel_DaftarSiswa();

        // menampilkan tabel data siswa perangkingan
        this.ambilPrioritas();
        sql_perangkingan = "SELECT
nisn,nama_siswa,kelamin,kelas,c1,c2,c3,c4,c5,total "
        + "FROM hasil_akhir INNER JOIN siswa ON
(hasil_akhir.no_daftar = siswa.no_daftar) WHERE
siswa.id_th_ajaran='" + ath.getIdThAjaran() + "' ORDER BY total
DESC," + prioritas1 + " DESC," + prioritas2 + " DESC," +
prioritas3 + " DESC," + prioritas4 + " DESC," + prioritas5 + "
DESC,nama_siswa ASC";
        this.TampilkanTabel_Perangkingan();

        this.refreshEditnCari();
    }

    private void
jmiProfileUserActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        user_user_profile dialog = new user_user_profile(new
javax.swing.JFrame(), true);
        dialog.setVisible(true);
    }

    private void
jmiCetakHasilPerangkinganActionPerformed(java.awt.event.ActionEven
t evt) {
        // TODO add your handling code here:
        this.ambilPrioritas();
        try {
            String rept =
"src/laporan/laporan_daftar_data_siswa_perangkingan.jasper";
            param.clear();
            Object put =
                param.put("id_th_ajaran",
ath.getIdThAjaran());
            param.put("prioritas1", prioritas1);
            param.put("prioritas2", prioritas2);
            param.put("prioritas3", prioritas3);
            param.put("prioritas4", prioritas4);
            param.put("prioritas5", prioritas5);
            param.put("nm_prioritas1", nm_prioritas1);
            param.put("nm_prioritas2", nm_prioritas2);
            param.put("nm_prioritas3", nm_prioritas3);
            param.put("nm_prioritas4", nm_prioritas4);
            param.put("nm_prioritas5", nm_prioritas5);

            param.put("nm_th_ajaran", ath.getNmThAjaran());
            JasPri = JasperFillManager.fillReport(reprt, param,
k.conn);

            JRViewer rp = new JRViewer(JasPri);

```

```

        JDialog viewerx = new JDialog(new
javax.swing.JFrame(), true);
        viewerx.setTitle(".: Laporan Daftar Siswa Hasil
Perangkingan Penerimaan Beasiswa :.");
        viewerx.getContentPane().add(rp);
        // Dimension screenSize =
Toolkit.getDefaultToolkit().getScreenSize();
        // viewerx.setBounds(0,0,screenSize.width,
screenSize.height);
        viewerx.setBounds(0, 0, 1120, 600);
        viewerx.setLocationRelativeTo(null);
        viewerx.setVisible(true);

    } catch (JRException ex) {
        JOptionPane.showMessageDialog(this, "Error " +
ex.getMessage(), "Error", JOptionPane.ERROR_MESSAGE);
    }
}

private void
jmiCetakDaftarSiswaActionPerformed(java.awt.event.ActionEvent evt)
{
    // TODO add your handling code here:
    try {
        String rept =
"src/laporan/laporan_daftar_data_siswa.jasper";
        param.clear();
        Object put =
            param.put("id_th_ajaran",
ath.getIdThAjaran());
        param.put("nm_th_ajaran", ath.getNmThAjaran());
        JasPri = JasperFillManager.fillReport(reprt, param,
k.conn);

        JRViewer rp = new JRViewer(JasPri);

        JDialog viewerx = new JDialog(new
javax.swing.JFrame(), true);
        viewerx.setTitle(".: Laporan Daftar Siswa Calon
Penerima Beasiswa :.");
        viewerx.getContentPane().add(rp);
        // Dimension screenSize =
Toolkit.getDefaultToolkit().getScreenSize();
        // viewerx.setBounds(0,0,screenSize.width,
screenSize.height);
        viewerx.setBounds(0, 0, 1120, 600);
        viewerx.setLocationRelativeTo(null);
        viewerx.setVisible(true);
    } catch (JRException ex) {
        JOptionPane.showMessageDialog(this, "Error " +
ex.getMessage(), "Error", JOptionPane.ERROR_MESSAGE);
    }
}

private void
jmiGantiPasswordActionPerformed(java.awt.event.ActionEvent evt) {

```

```

        // TODO add your handling code here:
        user_user_profile_gantipw dialog = new
user_user_profile_gantipw(new javax.swing.JFrame(), true);
        dialog.setVisible(true);
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(user.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(user.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(user.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(user.class.getName()).log(java.
util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new user().setVisible(true);
            }
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JButton btnCariSiswa;

```

```
private javax.swing.JButton btnPerbaharuiTabel;
private javax.swing.JButton btnPilihTahunAjaran;
private javax.swing.JButton btnProsesPerankingan;
private javax.swing.JButton btnSuntingSiswa;
private javax.swing.JButton btnTambahSiswa;
private javax.swing.JComboBox cboTahunAjaran;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel21;
private javax.swing.JLabel jLabel23;
private javax.swing.JLabel jLabel24;
private javax.swing.JLabel jLabel25;
private javax.swing.JLabel jLabel26;
private javax.swing.JLabel jLabel27;
private javax.swing.JLabel jLabel28;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JMenuBar jMenuBar2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel12;
private javax.swing.JPanel jPanel13;
private javax.swing.JPanel jPanel15;
private javax.swing.JPanel jPanel17;
private javax.swing.JPanel jPanel18;
private javax.swing.JPanel jPanel19;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JPanel jPanel6;
private javax.swing.JPanel jPanel7;
private javax.swing.JPanel jPanel8;
private javax.swing.JPanel jPanel9;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JScrollPane jScrollPane3;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JSeparator jSeparator2;
private javax.swing.JTabbedPane jTabbedPane1;
private javax.swing.JMenu jmCetak;
private javax.swing.JMenu jmUser;
private javax.swing.JMenuItem jmiCetakDaftarSiswa;
```

```
private javax.swing.JMenuItem jmiCetakHasilPerangkingan;
private javax.swing.JMenuItem jmiGantiPassword;
private javax.swing.JMenuItem jmiProfileUser;
private javax.swing.JLabel lblTahunAjaranT1;
private javax.swing.JLabel lblTahunAjaranT2;
private javax.swing.JLabel lblsesi1;
private javax.swing.JLabel lblsesi2;
private javax.swing.ButtonGroup rdgCari;
private javax.swing.JRadioButton rdoNama;
private javax.swing.JRadioButton rdoNisn;
private javax.swing.JRadioButton rdoNoDaftar;
private javax.swing.JTable tblDaftarDataSiswa;
private javax.swing.JTable tblPerangkingan;
private javax.swing.JTextArea txtAlamatSiswa;
private javax.swing.JTextField txtBilanganFuzzy1;
private javax.swing.JTextField txtBilanganFuzzy2;
private javax.swing.JTextField txtBilanganFuzzy3;
private javax.swing.JTextField txtBilanganFuzzy4;
private javax.swing.JTextField txtBilanganFuzzy5;
private javax.swing.JTextField txtCariSiswa;
private javax.swing.JTextField txtEditNoDaftar;
private javax.swing.JTextField txtJarakTempuhKeSekolah;
private javax.swing.JTextField txtJenisKelamin;
private javax.swing.JTextField txtJumlahKegiatanOrganisasi;
private javax.swing.JTextField txtJumlahPenghasilanOrtu;
private javax.swing.JTextField txtJumlahTanggungOrtu;
private javax.swing.JTextField txtKelas;
private javax.swing.JTextField txtNamaOrtu;
private javax.swing.JTextField txtNamaSiswa;
private javax.swing.JTextField txtNilaiFuzzy1;
private javax.swing.JTextField txtNilaiFuzzy2;
private javax.swing.JTextField txtNilaiFuzzy3;
private javax.swing.JTextField txtNilaiFuzzy4;
private javax.swing.JTextField txtNilaiFuzzy5;
private javax.swing.JTextField txtNilaiRata2Raport;
private javax.swing.JTextField txtNisn;
private javax.swing.JTextField txtNoDaftar;
private javax.swing.JTextField txtPekerjaanOrtu;
private javax.swing.JTextField txtTahunAjaran;
private javax.swing.JTextField txtTanggalLahir;
private javax.swing.JTextField txtTempatLahir;
// End of variables declaration
```

```
}
```

## PACKED user (user\_siswa\_edit.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package user;

import admin.admin_tahun_ajaran;
import java.awt.Color;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import spkbeasiswaadmnsaw.koneksi;

/**
 *
 * @author dxdiacz7z
 */
public class user_siswa_edit extends javax.swing.JDialog {

    koneksi k;
    admin_tahun_ajaran ath;
    String testBtnCek = "0";

    /**
     * Creates new form user_siswa_edit
     */
    public user_siswa_edit(java.awt.Frame parent, boolean modal) {
        super(parent, modal);
        initComponents();
        setLocationRelativeTo(null);

        k = new koneksi();
        k.koneksi();

        ath = new admin_tahun_ajaran(parent, modal);

        rdoLaki2.setSelected(true);
    }

    void refresh() {
        txtNoDaftar.setText(null);
        txtNoDaftar.setEditable(true);
        txtNoDaftar.setBackground(Color.white);
        txtNisn.setText(null);
        txtNamaSiswa.setText(null);
        txtTahunAjaran.setText(null);
        rdoLaki2.setSelected(true);
        cboKelas.setSelectedIndex(0);
        txtTempatLahir.setText(null);
        cboHari.setSelectedIndex(0);
        cboBulan.setSelectedIndex(0);
        cboTahun.setSelectedIndex(0);
        txtNamaOrtu.setText(null);
    }
}
```

```

cboPekerjaanOrtu.setSelectedIndex(0);
txtAlamatSiswa.setText(null);
txtNilaiRata2Raport.setText(null);
txtJumlahPenghasilanOrtu.setText(null);
txtJumlahTanggungOrtu.setText(null);
txtJarakTempuhKeSekolah.setText(null);
txtJumlahKegiatanOrganisasi.setText(null);
testBtnCek = "0";
}

boolean check() {
    if (!txtNoDaftar.getText().isEmpty()
        && !txtNisn.getText().isEmpty()
        && !txtNamaSiswa.getText().isEmpty()
        && !txtTahunAjaran.getText().isEmpty()
        && !txtTempatLahir.getText().isEmpty()
        && !txtNamaOrtu.getText().isEmpty()
        && !txtAlamatSiswa.getText().isEmpty()
        && !txtNilaiRata2Raport.getText().isEmpty()
        && !txtJumlahPenghasilanOrtu.getText().isEmpty()
        && !txtJumlahTanggungOrtu.getText().isEmpty()
        && !txtJarakTempuhKeSekolah.getText().isEmpty()
        &&
!txtJumlahKegiatanOrganisasi.getText().isEmpty()) {
        return true;
    } else {
        return false;
    }
}

void focus() {
    if (txtNoDaftar.getText().isEmpty()) {
        txtNoDaftar.requestFocusInWindow();
    } else if (txtNisn.getText().isEmpty()) {
        txtNisn.requestFocusInWindow();
    } else if (txtNamaSiswa.getText().isEmpty()) {
        txtNamaSiswa.requestFocusInWindow();
    } else if (txtTahunAjaran.getText().isEmpty()) {
        txtTahunAjaran.requestFocusInWindow();
    } else if (txtTempatLahir.getText().isEmpty()) {
        txtTempatLahir.requestFocusInWindow();
    } else if (txtNamaOrtu.getText().isEmpty()) {
        txtNamaOrtu.requestFocusInWindow();
    } else if (txtAlamatSiswa.getText().isEmpty()) {
        txtAlamatSiswa.requestFocusInWindow();
    } else if (txtNilaiRata2Raport.getText().isEmpty()) {
        txtNilaiRata2Raport.requestFocusInWindow();
    } else if (txtJumlahPenghasilanOrtu.getText().isEmpty()) {
        txtJumlahPenghasilanOrtu.requestFocusInWindow();
    } else if (txtJumlahTanggungOrtu.getText().isEmpty()) {
        txtJumlahTanggungOrtu.requestFocusInWindow();
    } else if (txtJarakTempuhKeSekolah.getText().isEmpty()) {
        txtJarakTempuhKeSekolah.requestFocusInWindow();
    } else if
(txtJumlahKegiatanOrganisasi.getText().isEmpty()) {
        txtJumlahKegiatanOrganisasi.requestFocusInWindow();
    }
}

```



```

    }
}

/**
 * This method is called from within the constructor to
 initialize the form.
 * WARNING: Do NOT modify this code. The content of this
 method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated
Code">
private void initComponents() {

    rdgKelamin = new javax.swing.ButtonGroup();
    jPanel7 = new javax.swing.JPanel();
    jLabel3 = new javax.swing.JLabel();
    jPanel4 = new javax.swing.JPanel();
    jPanel11 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    txtNoDaftar = new javax.swing.JTextField();
    txtNisn = new javax.swing.JTextField();
    rdoLaki2 = new javax.swing.JRadioButton();
    rdoPerempuan = new javax.swing.JRadioButton();
    jLabel5 = new javax.swing.JLabel();
    txtNamaSiswa = new javax.swing.JTextField();
    jLabel1 = new javax.swing.JLabel();
    jLabel13 = new javax.swing.JLabel();
    txtTempatLahir = new javax.swing.JTextField();
    jLabel14 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    cboBulan = new javax.swing.JComboBox();
    cboTahun = new javax.swing.JComboBox();
    cboHari = new javax.swing.JComboBox();
    jLabel15 = new javax.swing.JLabel();
    jLabel17 = new javax.swing.JLabel();
    jLabel18 = new javax.swing.JLabel();
    jLabel19 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    txtNamaOrtu = new javax.swing.JTextField();
    jLabel16 = new javax.swing.JLabel();
    jLabel19 = new javax.swing.JLabel();
    cboPekerjaanOrtu = new javax.swing.JComboBox();
    btnCek = new javax.swing.JButton();
    cboKelas = new javax.swing.JComboBox();
    txtTahunAjaran = new javax.swing.JTextField();
    jPanel3 = new javax.swing.JPanel();
    jLabel11 = new javax.swing.JLabel();
    txtNilaiRata2Raport = new javax.swing.JTextField();
    jLabel8 = new javax.swing.JLabel();
    jLabel10 = new javax.swing.JLabel();
    txtJumlahPenghasilanOrtu = new javax.swing.JTextField();
    jLabel12 = new javax.swing.JLabel();
    txtJumlahTanggunganOrtu = new javax.swing.JTextField();

```

```

        jLabel20 = new javax.swing.JLabel();
        txtJumlahKegiatanOrganisasi = new
javax.swing.JTextField();
        jLabel21 = new javax.swing.JLabel();
        btnSimpan = new javax.swing.JButton();
        btnKosongkan = new javax.swing.JButton();
        jScrollPane3 = new javax.swing.JScrollPane();
        txtAlamatSiswa = new javax.swing.JTextArea();
        btnHapus = new javax.swing.JButton();
        txtJarakTempuhKeSekolah = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CL
OSE);
        setTitle("Sunting Siswa");
        setIconImage(null);
        setResizable(false);
        addWindowListener(new java.awt.event.WindowAdapter() {
            public void windowActivated(java.awt.event.WindowEvent
evt) {
                formWindowActivated(evt);
            }
        });

        jPanel7.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

        jLabel3.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

        jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jLabel3.setText("SUNTING SISWA");

        javax.swing.GroupLayout jPanel7Layout = new
javax.swing.GroupLayout(jPanel7);
        jPanel7.setLayout(jPanel7Layout);
        jPanel7Layout.setHorizontalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addComponent(jLabel3,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            );
        jPanel7Layout.setVerticalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addComponent(jLabel3,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            );

```

```

        jPanel4.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Su
nting Siswa"));

        jLabel4.setText("No Daftar");

        jLabel6.setText("Tahun Ajaran");

        txtNoDaftar.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtNoDaftar.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtNoDaftarActionPerformed(evt);
            }
        });
        txtNoDaftar.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNoDaftarKeyTyped(evt);
            }
        });

        txtNisn.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtNisn.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNisnKeyTyped(evt);
            }
        });

        rdgKelamin.add(rdoLaki2);
        rdoLaki2.setText("Laki - Laki");

        rdgKelamin.add(rdoPerempuan);
        rdoPerempuan.setText("Perempuan");

        jLabel5.setText("NISN");

        txtNamaSiswa.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtNamaSiswa.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtNamaSiswaActionPerformed(evt);
            }
        });
        txtNamaSiswa.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNamaSiswaKeyTyped(evt);
            }
        });
    });

```

```

        jLabel11.setText("Nama Siswa");

        jLabel13.setText("Jenis Kelamin");

        txtTempatLahir.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtTempatLahir.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtTempatLahirActionPerformed(evt);
            }
        });
        txtTempatLahir.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtTempatLahirKeyTyped(evt);
            }
        });

        jLabel14.setText("Tempat Lahir");

jPanel2.setBorder(javax.swing.BorderFactory.createEtchedBorder());

        cboBulan.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12" }));

        cboTahun.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "1990", "1991", "1992", "1993", "1994", "1995", "1996",
"1997", "1998", "1999", "2000", "2001", "2002", "2003", "2004",
"2005", "2006", "2007", "2008", "2009", "2010" }));

        cboHari.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20",
"21", "22", "23", "24", "25", "26", "27", "28", "29", "30", "31"
}));

jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel15.setText("Hari");

jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel17.setText("Bulan");

jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
        jLabel18.setText("Tahun");

```

```

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout (jPanel2);
        jPanel2.setLayout (jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup (javax.swing.GroupLayout.Alignmen
t.LEADING)
                .addGroup (jPanel2Layout.createSequentialGroup ()
                .addContainerGap ()

                .addGroup (jPanel2Layout.createParallelGroup (javax.swing.GroupLayout.Alignm
ent.LEADING, false)
                .addComponent (jLabel15,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent (cboHari, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

                .addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addGroup (jPanel2Layout.createParallelGroup (javax.swing.GroupLayout
t.Alignment.LEADING, false)
                .addComponent (jLabel17,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent (cboBulan, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

                .addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addGroup (jPanel2Layout.createParallelGroup (javax.swing.GroupLayout
t.Alignment.LEADING, false)
                .addComponent (jLabel18,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent (cboTahun, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

                .addContainerGap (javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        );
        jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup (javax.swing.GroupLayout.Alignmen
t.LEADING)
                .addGroup (javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup ()
                .addContainerGap ()

                .addGroup (jPanel2Layout.createParallelGroup (javax.swing.GroupLayout
t.Alignment.BASELINE)
                .addComponent (jLabel15)
                .addComponent (jLabel17)
                .addComponent (jLabel18))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(cboHari,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(cboBulan,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(cboTahun,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
);

jLabel9.setText("Tgl Lahir");

jLabel7.setText("Kelas");

txtNamaOrtu.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtNamaOrtu.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        txtNamaOrtuActionPerformed(evt);
    }
});
txtNamaOrtu.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtNamaOrtuKeyTyped(evt);
    }
});

jLabel16.setText("Nama Ortu");

jLabel19.setText("Pekerjaan Ortu");

cboPekerjaanOrtu.setModel(new
javax.swing.DefaultComboBoxModel(new String[] { "Buruh", "Karyawan
Swasta", "Petani", "PNS", "POLRI", "TNI", "Tunakarya", "Wira
Swasta" }));

btnCek.setText("Cek");
btnCek.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {

```

```

        btnCekActionPerformed(evt);
    }
});

cboKelas.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "X", "XI IPA", "XI IPS", "XII IPA", "XII IPS" }));

txtTahunAjaran.setEditable(false);
txtTahunAjaran.setBackground(java.awt.Color.lightGray);
txtTahunAjaran.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtTahunAjaran.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtTahunAjaranKeyTyped(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .add(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.
Alignment.LEADING)
            .addComponent(jLabel14)
            .addComponent(jLabel15)
            .addComponent(jLabel11)
            .addComponent(jLabel16)
            .addComponent(jLabel19)
            .addComponent(jLabel13)
            .addComponent(jLabel17)
            .addComponent(jLabel114)
            .addComponent(jLabel116)
            .addComponent(jLabel119))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacemen
t.UNRELA
TED)
        .add(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.
Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .add(jPanel1Layout.createParallelGroup(javax.swing.Gro
upLayout.
Alignment.LEADING)
                    .addComponent(rdoLaki2)

                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlaceme
nt.RELATE
D)
                    .addComponent(rdoPerempuan))
                .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE, 85,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.TRAILING, false)

.addGroup(jPanell1Layout.createSequentialGroup()
        .addComponent(txtNoDaftar)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(btnCek))
        .addComponent(txtNisn,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(cboKelas,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.TRAILING, false)
        .addComponent(cboPekerjaanOrtu,
javax.swing.GroupLayout.Alignment.LEADING, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(txtNamaOrtu,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 123, Short.MAX_VALUE))

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.TRAILING, false)
        .addComponent(txtNamaSiswa,
javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(txtTahunAjaran,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 139, Short.MAX_VALUE)))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );
    jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanell1Layout.createSequentialGroup()

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.CENTER)
        .addComponent(txtNoDaftar,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel4)
        .addComponent(btnCek))

```



```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(txtNisn,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel15))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(txtNamaSiswa,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel11))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(jLabel16)
    .addComponent(txtTahunAjaran,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(rdoLaki2)
    .addComponent(rdoPerempuan)
    .addComponent(jLabel13))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(jLabel17)
    .addComponent(cboKelas,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel14))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel19,
javax.swing.GroupLayout.PREFERRED_SIZE, 66,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.CENTER)
    .addComponent(txtNamaOrtu,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel16))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel19)
    .addComponent(cboPekerjaanOrtu,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Tahoma", 0, 11), new java.awt.Color(255, 255, 255))); // NOI18N

jLabel11.setText("Alamat Siswa");

```

```

txtNilaiRata2Raport.setHorizontalAlignment(javax.swing.JTextField.
CENTER);
    txtNilaiRata2Raport.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtNilaiRata2RaportKeyTyped(evt);
    }
});

jLabel8.setText("Nilai Rata - Rata Raport");

jLabel10.setText("Jumlah Penghasilan Ortu");

txtJumlahPenghasilanOrtu.setHorizontalAlignment(javax.swing.JTextF
ield.CENTER);
    txtJumlahPenghasilanOrtu.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        txtJumlahPenghasilanOrtuActionPerformed(evt);
    }
});
    txtJumlahPenghasilanOrtu.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtJumlahPenghasilanOrtuKeyTyped(evt);
    }
});

jLabel12.setText("Jumlah Tanggungan Ortu");

txtJumlahTanggunganOrtu.setHorizontalAlignment(javax.swing.JTextFi
eld.CENTER);
    txtJumlahTanggunganOrtu.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtJumlahTanggunganOrtuKeyTyped(evt);
    }
});

jLabel20.setText("Jarak Tempuh ke Sekolah");

txtJumlahKegiatanOrganisasi.setHorizontalAlignment(javax.swing.JTe
xtField.CENTER);
    txtJumlahKegiatanOrganisasi.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtJumlahKegiatanOrganisasiKeyTyped(evt);
    }
});

```

```

        jLabel21.setText("Jumlah Kegiatan Organisasi");

        btnSimpan.setText("Simpan");
        btnSimpan.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnSimpanActionPerformed(evt);
            }
        });

        btnKosongkan.setText("Kosongkan");
        btnKosongkan.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnKosongkanActionPerformed(evt);
            }
        });

        txtAlamatSiswa.setColumns(20);
        txtAlamatSiswa.setLineWrap(true);
        txtAlamatSiswa.setRows(5);
        txtAlamatSiswa.setWrapStyleWord(true);
        txtAlamatSiswa.setMargin(new java.awt.Insets(2, 5, 2, 5));
        jScrollPane3.setViewportViewView(txtAlamatSiswa);

        btnHapus.setText("Hapus");
        btnHapus.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnHapusActionPerformed(evt);
            }
        });

txtJarakTempuhKeSekolah.setHorizontalAlignment(javax.swing.JTextField
eld.CENTER);
        txtJarakTempuhKeSekolah.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtJarakTempuhKeSekolahKeyTyped(evt);
            }
        });

        javax.swing.GroupLayout jPanel3Layout = new
javax.swing.GroupLayout(jPanel3);
        jPanel3.setLayout(jPanel3Layout);
        jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addContainerGap()

```

```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(btnKosongkan)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(btnHapus,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(btnSimpan))

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(jLabel11)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jScrollPane3,
javax.swing.GroupLayout.PREFERRED_SIZE, 160,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel8)
            .addComponent(jLabel10)
            .addComponent(jLabel12)
            .addComponent(jLabel20)
            .addComponent(jLabel21))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtJumlahPenghasilanOrtu,
javax.swing.GroupLayout.PREFERRED_SIZE, 92,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addComponent(txtNilaiRata2Raport,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(txtJumlahKegiatanOrganisasi,
javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtJumlahTanggunganOrtu,
javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtJarakTempuhKeSekolah,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 45, Short.MAX_VALUE))))
        .addGap(0, 0, Short.MAX_VALUE))
        .addContainerGap()
    );
    jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel11,
javax.swing.GroupLayout.PREFERRED_SIZE, 87,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jScrollPane3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.CENTER)
            .addComponent(txtNilaiRata2Raport,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel8))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.CENTER)
            .addComponent(txtJumlahPenghasilanOrtu,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel10))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

```

```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.CENTER)
    .addComponent(txtJumlahTanggungOrtu,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel12))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel20)
    .addComponent(txtJarakTempuhKeSekolah,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.CENTER)
    .addComponent(txtJumlahKegiatanOrganisasi,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel21))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(btnSimpan)
    .addComponent(btnKosongkan)
    .addComponent(btnHapus))
    .addContainerGap())
);

javax.swing.GroupLayout jPanel4Layout = new
javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel4Layout.createSequentialGroup()
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(jPanel3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        );
jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel3,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
        .addComponent(jPanel7,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel4,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
        .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel7,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
                .addComponent(jPanel4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                );

        pack();
} // </editor-fold>

```



```

        private void
txtNoDaftarActionPerformed(java.awt.event.ActionEvent evt) {
            // TODO add your handling code here:
        }

        private void txtNoDaftarKeyTyped(java.awt.event.KeyEvent evt)
{
            // TODO add your handling code here:
            if (txtNoDaftar.getText().length() >= 5) {
                evt.consume();
            }
            if (!Character.isDigit(evt.getKeyChar())) {
                evt.consume();
            }
        }

        private void txtNisnKeyTyped(java.awt.event.KeyEvent evt) {
            // TODO add your handling code here:
            if (txtNisn.getText().length() >= 10) {
                evt.consume();
            }
            if (!Character.isDigit(evt.getKeyChar())) {
                evt.consume();
            }
        }

        private void
txtNamaSiswaActionPerformed(java.awt.event.ActionEvent evt) {
            // TODO add your handling code here:
        }

        private void
txtTempatLahirActionPerformed(java.awt.event.ActionEvent evt) {
            // TODO add your handling code here:
        }

        private void
txtNamaOrtuActionPerformed(java.awt.event.ActionEvent evt) {
            // TODO add your handling code here:
        }

        private void
txtNilaiRata2RaportKeyTyped(java.awt.event.KeyEvent evt) {
            // TODO add your handling code here:
            if (txtNilaiRata2Raport.getText().length() >= 3) {
                evt.consume();
            }
            if (!Character.isDigit(evt.getKeyChar())) {
                evt.consume();
            }
        }

        private void
txtJumlahTanggunganOrtuKeyTyped(java.awt.event.KeyEvent evt) {
            // TODO add your handling code here:
            if (txtJumlahTanggunganOrtu.getText().length() >= 1) {

```

```

        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void
txtJumlahKegiatanOrganisasiKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtJumlahKegiatanOrganisasi.getText().length() >= 1) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void
btnSimpanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if (testBtnCek.equals("0")) {
        JOptionPane.showMessageDialog(this, "No Daftar harus
di cek dahulu");
        txtNoDaftar.requestFocusInWindow();
    } else {
        try {
            if (check()) {
                Object[] options = {"Ya", "Tidak"};
                int jwb = JOptionPane.showOptionDialog(this,
                    "Apakah yakin siswa disunting?",
                    "Konfirmasi",
                    JOptionPane.YES_OPTION,
                    JOptionPane.QUESTION_MESSAGE,
                    null,
                    options,
                    options[0]);
                if (jwb == 1) {
                    JOptionPane.showMessageDialog(this, "Siswa
batal disunting");
                } else if (jwb == 0) {
                    String nisn = txtNisn.getText();
                    String nama_siswa =
txtNamaSiswa.getText();
                    String kelamin = null;
                    if (rdoLaki2.isSelected()) {
                        kelamin = "Laki-Laki";
                    } else if (rdoPerempuan.isSelected()) {
                        kelamin = "Perempuan";
                    }
                    String kelas =
cboKelas.getSelectedItem().toString();
                    String tempat_lahir =
txtTempatLahir.getText();
                    String hari =
cboHari.getSelectedItem().toString();

```

```

        String bulan =
cboBulan.getSelectedItem().toString();
        String tahun =
cboTahun.getSelectedItem().toString();
        String tgl_lahir = tahun + "-" + bulan +
        "-" + hari;

        String nama_ortu = txtNamaOrtu.getText();
        String pekerjaan_ortu =
cboPekerjaanOrtu.getSelectedItem().toString();
        String alamat_siswa =
txtAlamatSiswa.getText();
        String nilai_raport =
txtNilaiRata2Raport.getText();
        String jmlh_penghasilan_ortu =
txtJumlahPenghasilanOrtu.getText();
        String jmlh_tanggung_ortu =
txtJumlahTanggungOrtu.getText();
        String jrk_tempuh_ke_sklh =
txtJarakTempuhKeSekolah.getText();
        String jmlh_kegiatan_org =
txtJumlahKegiatanOrganisasi.getText();

        k.st = k.conn.createStatement();
        String sql = "update siswa set nispn='" +
nispn + "', nama_siswa='" + nama_siswa + "', kelamin='" + kelamin +
        "', kelas='" + kelas + "', tempat_lahir='" + tempat_lahir + "',
        tgl_lahir='" + tgl_lahir + "', alamat_siswa='" + alamat_siswa +
        "', nama_ortu='" + nama_ortu + "', pekerjaan_ortu='" +
pekerjaan_ortu + "', nilai_raport='" + nilai_raport + "',
        jmlh_penghasilan_ortu='" + jmlh_penghasilan_ortu + "',
        jmlh_tanggung_ortu='" + jmlh_tanggung_ortu + "',
        jrk_tempuh_ke_sklh='" + jrk_tempuh_ke_sklh + "',
        jmlh_kegiatan_org='" + jmlh_kegiatan_org + "' where no_daftar='" +
txtNoDaftar.getText() + "'";
        k.st.execute(sql);
        k.st.close();

        JOptionPane.showMessageDialog(this, "Siswa
        " + nama_siswa + " Berhasil disunting");
        dispose();
    } else {
        JOptionPane.showMessageDialog(this, "Siswa
        batal disunting");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data
        tidak boleh ada yg kosong");
        this.focus();
    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Siswa gagal
        disunting");
    }

    Logger.getLogger(user_siswa_edit.class.getName()).log(Level.SEVERE
    , null, ex);
}

```

```

    }
}

private void
btnKosongkanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.refresh();
}

private void
btnHapusActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if (testBtnCek.equals("0")) {
        JOptionPane.showMessageDialog(this, "No Daftar harus
di cek dahulu");
    } else {
        try {
            Object[] options = {"Ya", "Tidak"};
            int jwb = JOptionPane.showOptionDialog(this,
                "Apakah yakin siswa dihapus?",
                "Konfirmasi",
                JOptionPane.YES_OPTION,
                JOptionPane.QUESTION_MESSAGE,
                null,
                options,
                options[0]);
            if (jwb == 1) {
                JOptionPane.showMessageDialog(this, "Siswa
batal dihapus");
            } else if (jwb == 0) {
                k.st = k.conn.createStatement();
                String sql = "DELETE FROM siswa WHERE
no_daftar=" + txtNoDaftar.getText() + " AND id_th_ajaran='" +
ath.getIdThAjaran() + "'";
                k.st.execute(sql);
                k.st.close();

                JOptionPane.showMessageDialog(this, "Siswa " +
txtNamaSiswa.getText() + " Berhasil dihapus");
                dispose();
            } else {
                JOptionPane.showMessageDialog(this, "Siswa
batal dihapus");
            }
        } catch (SQLException ex) {
            JOptionPane.showMessageDialog(this, "Siswa gagal
dihapus");

            Logger.getLogger(user_siswa_edit.class.getName()).log(Level.SEVERE
, null, ex);
        }
    }
}

private void txtNamaSiswaKeyTyped(java.awt.event.KeyEvent evt)
{

```

```

        // TODO add your handling code here:
        if (txtNamaSiswa.getText().length() >= 30) {
            evt.consume();
        }
    }

    private void txtTempatLahirKeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtTempatLahir.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void txtNamaOrtuKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtNamaOrtu.getText().length() >= 30) {
            evt.consume();
        }
    }

    private void formWindowActivated(java.awt.event.WindowEvent
    evt) {
        // TODO add your handling code here:
        if (!k.id_edit.equals("")) {
            testBtnCek = "1";
            try {
                txtNoDaftar.setText(k.id_edit);
                txtNoDaftar.setEditable(false);
                txtNoDaftar.setBackground(Color.lightGray);
                String no_daftar = k.id_edit;
                String sql = "SELECT
no_daftar,nisn,nama_siswa,nm_th_ajaran,kelamin,kelas,tempat_lahir,
tgl_lahir,"
                    +
"nama_ortu,pekerjaan_ortu,alamat_siswa,nilai_raport,jmlh_penghasil
an_ortu,jmlh_tanggung_ortu,"
                    + "jrk_tempuh_ke_sklh,jmlh_kegiatan_org "
                    + "FROM siswa INNER JOIN tahun_ajaran ON
(siswa.id_th_ajaran=tahun_ajaran.id_th_ajaran) WHERE no_daftar='"
+ no_daftar + "' AND siswa.id_th_ajaran='" + ath.getIdThAjaran() +
"'"
                    ;

                k.st = k.conn.createStatement();
                k.rs = k.st.executeQuery(sql);

                String kelamin = "";
                String tgl_lahir = "";
                while (k.rs.next()) {
                    txtNisn.setText(k.rs.getString("nisn"));

                txtNamaSiswa.setText(k.rs.getString("nama_siswa"));
                txtNamaSiswa.setCaretPosition(0);

                txtTahunAjaran.setText(k.rs.getString("nm_th_ajaran"));
                kelamin = (k.rs.getString("kelamin"));

```

```

cboKelas.setSelectedItem(k.rs.getString("kelas"));

txtTempatLahir.setText(k.rs.getString("tempat_lahir"));
    tgl_lahir = (k.rs.getString("tgl_lahir"));

txtNamaOrtu.setText(k.rs.getString("nama_ortu"));
    txtNamaOrtu.setCaretPosition(0);

cboPekerjaanOrtu.setSelectedItem(k.rs.getString("pekerjaan_ortu"));
;

txtAlamatSiswa.setText(k.rs.getString("alamat_siswa"));
    txtAlamatSiswa.setCaretPosition(0);

txtNilaiRata2Raport.setText(k.rs.getString("nilai_raport"));

txtJumlahPenghasilanOrtu.setText(k.rs.getString("jmlh_penghasilan_ortu"));

txtJumlahTanggungOrtu.setText(k.rs.getString("jmlh_tanggung_or_tu"));

txtJarakTempuhKeSekolah.setText(k.rs.getString("jrk_tempuh_ke_sklh"));

txtJumlahKegiatanOrganisasi.setText(k.rs.getString("jmlh_kegiatan_org"));
    }

    if (txtNamaSiswa.getText().isEmpty()) {
        JOptionPane.showMessageDialog(this, "Data
tidak valid");
        this.refresh();
    } else {
        if (kelamin.compareTo("Laki-Laki") == 0) {
            rdoLaki2.setSelected(true);
        } else if (kelamin.compareTo("Perempuan") ==
0) {
            rdoPerempuan.setSelected(true);
        }
    }

cboTahun.setSelectedItem(tgl_lahir.substring(0, 4));

cboBulan.setSelectedItem(tgl_lahir.substring(5, 7));
    cboHari.setSelectedItem(tgl_lahir.substring(8,
10));
    }
    k.st.close();
    k.rs.close();
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(this, "Gagal
Check");

Logger.getLogger(user_siswa_edit.class.getName()).log(Level.SEVERE
, null, ex);

```

```

        }
    }
    k.id_edit = "";
}

private void btnCekActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
    testBtnCek = "1";
    if (txtNoDaftar.getText().isEmpty()) {
        JOptionPane.showMessageDialog(this, "No Daftar tidak
boleh kosong");
        testBtnCek = "0";
        txtNoDaftar.requestFocusInWindow();
    } else {
        try {
            txtNoDaftar.setEditable(false);
            txtNoDaftar.setBackground(Color.lightGray);
            String no_daftar = txtNoDaftar.getText();
            String sql = "SELECT
no_daftar,nisn,nama_siswa,nm_th_ajaran,kelamin,kelas,tempat_lahir,
tgl_lahir,"
                +
"nama_ortu,pekerjaan_ortu,alamat_siswa,nilai_raport,jmlh_penghasil
an_ortu,jmlh_tanggung_ortu,"
                + "jrk_tempuh_ke_sklh,jmlh_kegiatan_org "
                + "FROM siswa INNER JOIN tahun_ajaran ON
(siswa.id_th_ajaran=tahun_ajaran.id_th_ajaran) WHERE no_daftar='"
+ no_daftar + "' AND siswa.id_th_ajaran='" + ath.getIdThAjaran() +
"'";

            k.st = k.conn.createStatement();
            k.rs = k.st.executeQuery(sql);

            String kelamin = "";
            String tgl_lahir = "";
            while (k.rs.next()) {
                txtNisn.setText(k.rs.getString("nisn"));

                txtNamaSiswa.setText(k.rs.getString("nama_siswa"));
                txtNamaSiswa.setCaretPosition(0);

                txtTahunAjaran.setText(k.rs.getString("nm_th_ajaran"));
                kelamin = (k.rs.getString("kelamin"));

                cboKelas.setSelectedItem(k.rs.getString("kelas"));

                txtTempatLahir.setText(k.rs.getString("tempat_lahir"));
                tgl_lahir = (k.rs.getString("tgl_lahir"));

                txtNamaOrtu.setText(k.rs.getString("nama_ortu"));
                txtNamaOrtu.setCaretPosition(0);

                cboPekerjaanOrtu.setSelectedItem(k.rs.getString("pekerjaan_ortu"));
                ;

                txtAlamatSiswa.setText(k.rs.getString("alamat_siswa"));

```

```

        txtAlamatSiswa.setCaretPosition(0);

txtNilaiRata2Raport.setText(k.rs.getString("nilai_raport"));

txtJumlahPenghasilanOrtu.setText(k.rs.getString("jmlh_penghasilan_
ortu"));

txtJumlahTanggungOrtu.setText(k.rs.getString("jmlh_tanggung_or
tu"));

txtJarakTempuhKeSekolah.setText(k.rs.getString("jrk_tempuh_ke_sklh
"));

txtJumlahKegiatanOrganisasi.setText(k.rs.getString("jmlh_kegiatan_
org"));
    }

    if (txtNamaSiswa.getText().isEmpty()) {
        JOptionPane.showMessageDialog(this, "Data
tidak valid");
        this.refresh();
    } else {
        if (kelamin.compareTo("Laki-Laki") == 0) {
            rdoLaki2.setSelected(true);
        } else if (kelamin.compareTo("Perempuan") ==
0) {
            rdoPerempuan.setSelected(true);
        }
    }

cboTahun.setSelectedItem(tgl_lahir.substring(0, 4));

cboBulan.setSelectedItem(tgl_lahir.substring(5, 7));
        cboHari.setSelectedItem(tgl_lahir.substring(8,
10));
    }
    k.st.close();
    k.rs.close();
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(this, "Gagal
Check");

Logger.getLogger(user_siswa_edit.class.getName()).log(Level.SEVERE
, null, ex);
}
}

private void txtTahunAjaranKeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtTahunAjaran.getText().length() >= 9) {
        evt.consume();
    }
}
}

```



```

        private void
txtJumlahPenghasilanOrtuKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtJumlahPenghasilanOrtu.getText().length() >= 7) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

        private void
txtJumlahPenghasilanOrtuActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
}

        private void
txtJarakTempuhKeSekolahKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtJarakTempuhKeSekolah.getText().length() >= 4) {
        evt.consume();
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(user_siswa_edit.class.getName())
).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(user_siswa_edit.class.getName())
).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

```

```

java.util.logging.Logger.getLogger(user_siswa_edit.class.getName()
).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(user_siswa_edit.class.getName()
).log(java.util.logging.Level.SEVERE, null, ex);
    }
    //</editor-fold>

    /* Create and display the dialog */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            user_siswa_edit dialog = new user_siswa_edit(new
javax.swing.JFrame(), true);
            dialog.addWindowListener(new
java.awt.event.WindowAdapter() {
                @Override
                public void
windowClosing(java.awt.event.WindowEvent e) {
                    System.exit(0);
                }
            });
            dialog.setVisible(true);
        }
    });
}
// Variables declaration - do not modify
private javax.swing.JButton btnCek;
private javax.swing.JButton btnHapus;
private javax.swing.JButton btnKosongkan;
private javax.swing.JButton btnSimpan;
private javax.swing.JComboBox cboBulan;
private javax.swing.JComboBox cboHari;
private javax.swing.JComboBox cboKelas;
private javax.swing.JComboBox cboPekerjaanOrtu;
private javax.swing.JComboBox cboTahun;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel21;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;

```

```
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel7;
private javax.swing.JScrollPane jScrollPane3;
private javax.swing.ButtonGroup rdgKelamin;
private javax.swing.JRadioButton rdoLaki2;
private javax.swing.JRadioButton rdoPerempuan;
private javax.swing.JTextArea txtAlamatSiswa;
private javax.swing.JTextField txtJarakTempuhKeSekolah;
private javax.swing.JTextField txtJumlahKegiatanOrganisasi;
private javax.swing.JTextField txtJumlahPenghasilanOrtu;
private javax.swing.JTextField txtJumlahTanggunganOrtu;
private javax.swing.JTextField txtNamaOrtu;
private javax.swing.JTextField txtNamaSiswa;
private javax.swing.JTextField txtNilaiRata2Raport;
private javax.swing.JTextField txtNisn;
private javax.swing.JTextField txtNoDaftar;
private javax.swing.JTextField txtTahunAjaran;
private javax.swing.JTextField txtTempatLahir;
// End of variables declaration
```

```
}
```

## PACKED user (user\_siswa\_tambah.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package user;

import admin.admin_tahun_ajaran;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import spkbeasiswaadmnsaw.koneksi;

/**
 *
 * @author dxdiacz7z
 */
public class user_siswa_tambah extends javax.swing.JDialog {

    koneksi k;
    admin_tahun_ajaran ath;

    /**
     * Creates new form user_siswa_tambah
     */
    public user_siswa_tambah(java.awt.Frame parent, boolean modal)
    {
        super(parent, modal);
        initComponents();
        setLocationRelativeTo(null);

        k = new koneksi();
        k.koneksi();

        ath = new admin_tahun_ajaran(parent, modal);

        rdoLaki2.setSelected(true);
        txtTahunAjaran.setText(ath.getNmThAjaran());
    }

    void refresh() {
        txtNisn.setText(null);
        txtNamaSiswa.setText(null);
        rdoLaki2.setSelected(true);
        cboKelas.setSelectedIndex(0);
        txtTempatLahir.setText(null);
        cboHari.setSelectedIndex(0);
        cboBulan.setSelectedIndex(0);
        cboTahun.setSelectedIndex(0);
        txtNamaOrtu.setText(null);
        cboPekerjaanOrtu.setSelectedIndex(0);
        txtAlamatSiswa.setText(null);
        txtNilaiRata2Raport.setText(null);
        txtJumlahPenghasilanOrtu.setText(null);
    }
}
```

```

        txtJumlahTanggungOrtu.setText (null);
        txtJarakTempuhKeSekolah.setText (null);
        txtJumlahKegiatanOrganisasi.setText (null);
    }

    boolean check() {
        if (!txtNisn.getText().isEmpty()
            && !txtNamaSiswa.getText().isEmpty()
            && !txtTahunAjaran.getText().isEmpty()
            && !txtTempatLahir.getText().isEmpty()
            && !txtNamaOrtu.getText().isEmpty()
            && !txtAlamatSiswa.getText().isEmpty()
            && !txtNilaiRata2Raport.getText().isEmpty()
            && !txtJumlahPenghasilanOrtu.getText().isEmpty()
            && !txtJumlahTanggungOrtu.getText().isEmpty()
            && !txtJarakTempuhKeSekolah.getText().isEmpty()
            &&
            !txtJumlahKegiatanOrganisasi.getText().isEmpty()) {
            return true;
        } else {
            return false;
        }
    }

    void focus() {
        if (txtNisn.getText().isEmpty()) {
            txtNisn.requestFocusInWindow();
        } else if (txtNamaSiswa.getText().isEmpty()) {
            txtNamaSiswa.requestFocusInWindow();
        } else if (txtTahunAjaran.getText().isEmpty()) {
            txtTahunAjaran.requestFocusInWindow();
        } else if (txtTempatLahir.getText().isEmpty()) {
            txtTempatLahir.requestFocusInWindow();
        } else if (txtNamaOrtu.getText().isEmpty()) {
            txtNamaOrtu.requestFocusInWindow();
        } else if (txtAlamatSiswa.getText().isEmpty()) {
            txtAlamatSiswa.requestFocusInWindow();
        } else if (txtNilaiRata2Raport.getText().isEmpty()) {
            txtNilaiRata2Raport.requestFocusInWindow();
        } else if (txtJumlahPenghasilanOrtu.getText().isEmpty()) {
            txtJumlahPenghasilanOrtu.requestFocusInWindow();
        } else if (txtJumlahTanggungOrtu.getText().isEmpty()) {
            txtJumlahTanggungOrtu.requestFocusInWindow();
        } else if (txtJarakTempuhKeSekolah.getText().isEmpty()) {
            txtJarakTempuhKeSekolah.requestFocusInWindow();
        } else if
        (txtJumlahKegiatanOrganisasi.getText().isEmpty()) {
            txtJumlahKegiatanOrganisasi.requestFocusInWindow();
        }
    }

    /**
     * This method is called from within the constructor to
     initialize the form.
     * WARNING: Do NOT modify this code. The content of this
     method is always

```

```

    * regenerated by the Form Editor.
    */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated
Code">
    private void initComponents() {

        rdgKelamin = new javax.swing.ButtonGroup();
        jPanel7 = new javax.swing.JPanel();
        jLabel3 = new javax.swing.JLabel();
        jPanel4 = new javax.swing.JPanel();
        jPanel1 = new javax.swing.JPanel();
        jLabel6 = new javax.swing.JLabel();
        txtNisn = new javax.swing.JTextField();
        txtTahunAjaran = new javax.swing.JTextField();
        rdoLaki2 = new javax.swing.JRadioButton();
        rdoPerempuan = new javax.swing.JRadioButton();
        jLabel5 = new javax.swing.JLabel();
        txtNamaSiswa = new javax.swing.JTextField();
        jLabel1 = new javax.swing.JLabel();
        jLabel13 = new javax.swing.JLabel();
        txtTempatLahir = new javax.swing.JTextField();
        jLabel14 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        cboBulan = new javax.swing.JComboBox();
        cboTahun = new javax.swing.JComboBox();
        cboHari = new javax.swing.JComboBox();
        jLabel15 = new javax.swing.JLabel();
        jLabel17 = new javax.swing.JLabel();
        jLabel18 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        txtNamaOrtu = new javax.swing.JTextField();
        jLabel16 = new javax.swing.JLabel();
        jLabel19 = new javax.swing.JLabel();
        cboPekerjaanOrtu = new javax.swing.JComboBox();
        cboKelas = new javax.swing.JComboBox();
        jPanel3 = new javax.swing.JPanel();
        jLabel11 = new javax.swing.JLabel();
        txtNilaiRata2Raport = new javax.swing.JTextField();
        jLabel8 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        txtJumlahPenghasilanOrtu = new javax.swing.JTextField();
        jLabel12 = new javax.swing.JLabel();
        txtJumlahTanggunganOrtu = new javax.swing.JTextField();
        jLabel20 = new javax.swing.JLabel();
        txtJumlahKegiatanOrganisasi = new
javax.swing.JTextField();
        jLabel21 = new javax.swing.JLabel();
        btnSimpan = new javax.swing.JButton();
        btnKosongkan = new javax.swing.JButton();
        jScrollPane3 = new javax.swing.JScrollPane();
        txtAlamatSiswa = new javax.swing.JTextArea();
        txtJarakTempuhKeSekolah = new javax.swing.JTextField();

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
    setTitle("Tambah Siswa");
    setResizable(false);

    jPanel7.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

    jLabel3.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel3.setText("TAMBAH SISWA");

    javax.swing.GroupLayout jPanel7Layout = new
javax.swing.GroupLayout(jPanel7);
    jPanel7.setLayout(jPanel7Layout);
    jPanel7Layout.setHorizontalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jLabel3,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
    jPanel7Layout.setVerticalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jLabel3,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

    jPanel4.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jPanel11.setBorder(javax.swing.BorderFactory.createTitledBorder("Ta
mbah Siswa"));

    jLabel6.setText("Tahun Ajaran");

    txtNisn.setMargin(new java.awt.Insets(2, 5, 2, 5));
    txtNisn.addKeyListener(new java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtNisnKeyTyped(evt);
        }
    });

    txtTahunAjaran.setEditable(false);
    txtTahunAjaran.setBackground(java.awt.Color.lightGray);

```

```

        txtTahunAjaran.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtTahunAjaran.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtTahunAjaranKeyTyped(evt);
            }
        });

        rdgKelamin.add(rdoLaki2);
        rdoLaki2.setText("Laki - Laki");

        rdgKelamin.add(rdoPerempuan);
        rdoPerempuan.setText("Perempuan");

        jLabel5.setText("NISN");

        txtNamaSiswa.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtNamaSiswa.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtNamaSiswaActionPerformed(evt);
            }
        });
        txtNamaSiswa.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNamaSiswaKeyTyped(evt);
            }
        });

        jLabel11.setText("Nama Siswa");

        jLabel13.setText("Jenis Kelamin");

        txtTempatLahir.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtTempatLahir.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtTempatLahirActionPerformed(evt);
            }
        });
        txtTempatLahir.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtTempatLahirKeyTyped(evt);
            }
        });

        jLabel14.setText("Tempat Lahir");

jPanel2.setBorder(javax.swing.BorderFactory.createEtchedBorder());

```



```
        cboBulan.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12" }));
```

```
        cboTahun.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "1990", "1991", "1992", "1993", "1994", "1995", "1996",
"1997", "1998", "1999", "2000", "2001", "2002", "2003", "2004",
"2005", "2006", "2007", "2008", "2009", "2010" }));
```

```
        cboHari.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20",
"21", "22", "23", "24", "25", "26", "27", "28", "29", "30", "31"
}));
```

```
jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
```

```
        jLabel15.setText("Hari");
```

```
jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
```

```
        jLabel17.setText("Bulan");
```

```
jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
```

```
        jLabel18.setText("Tahun");
```

```
        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
```

```
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
```

```
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(cboHari, 0,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
```

```
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING, false)
```

```
            .addComponent(jLabel15,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(cboHari, 0,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
```

```
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
```

```
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING, false)
```

```
            .addComponent(jLabel17,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(cboTahun, 0,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
```

```

        .addComponent(cboBulan, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING, false)
        .addComponent(jLabel18,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(cboTahun, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
    jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
            .addComponent(jLabel15)
            .addComponent(jLabel17)
            .addComponent(jLabel18))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
        .addComponent(cboHari,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboBulan,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboTahun,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

jLabel9.setText("Tgl Lahir");

jLabel7.setText("Kelas");

```

```

        txtNamaOrtu.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtNamaOrtu.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtNamaOrtuActionPerformed(evt);
            }
        });
        txtNamaOrtu.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNamaOrtuKeyTyped(evt);
            }
        });

        jLabel16.setText("Nama Ortu");

        jLabel19.setText("Pekerjaan Ortu");

        cboPekerjaanOrtu.setModel(new
javax.swing.DefaultComboBoxModel(new String[] { "Buruh", "Karyawan
Swasta", "Petani", "PNS", "POLRI", "TNI", "Tunakarya", "Wira
Swasta" }));

        cboKelas.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "X", "XI IPA", "XI IPS", "XII IPA", "XII IPS" }));

        javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup()
                    .addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING)
                        .addComponent(jLabel15)
                        .addComponent(jLabel11)
                        .addComponent(jLabel16)
                        .addComponent(jLabel19)
                        .addComponent(jLabel113)
                        .addComponent(jLabel17)
                        .addComponent(jLabel114)
                        .addComponent(jLabel116)
                        .addComponent(jLabel119))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING)

```

```

        .addComponent(txtNisn,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanell1Layout.createSequentialGroup()
        .addComponent(rdoLaki2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
        .addComponent(rdoPerempuan)
        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE, 85,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cboKelas,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.TRAILING, false)
        .addComponent(cboPekerjaanOrtu,
javax.swing.GroupLayout.Alignment.LEADING, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(txtNamaOrtu,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 123, Short.MAX_VALUE))

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.TRAILING, false)
        .addComponent(txtNamaSiswa,
javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(txtTahunAjaran,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 139, Short.MAX_VALUE)))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );
    jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanell1Layout.createSequentialGroup()

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(txtNisn,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel15))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(txtNamaSiswa,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel1))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(txtTahunAjaran,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel6))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(rdoLaki2)
    .addComponent(rdoPerempuan)
    .addComponent(jLabel13))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(jLabel7)
    .addComponent(chbKelas,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel14))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel2,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel9,
        javax.swing.GroupLayout.PREFERRED_SIZE, 66,
        javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.CENTER)
    .addComponent(txtNamaOrtu,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel16))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel19)
    .addComponent(cboPekerjaanOrtu,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
    Short.MAX_VALUE)
);

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, ".", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
    javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Tahoma", 0, 11), new java.awt.Color(255, 255,
    255))); // NOI18N

    jLabel11.setText("Alamat Siswa");

txtNilaiRata2Raport.setHorizontalAlignment(javax.swing.JTextField.CENTER);
    txtNilaiRata2Raport.addKeyListener(new
    java.awt.event.KeyAdapter() {
        public void keyTyped(java.awt.event.KeyEvent evt) {
            txtNilaiRata2RaportKeyTyped(evt);
        }
    });

```

```

jLabel8.setText("Nilai Rata - Rata Raport");

jLabel10.setText("Jumlah Penghasilan Ortu");

txtJumlahPenghasilanOrtu.setHorizontalAlignment (javax.swing.JTextField.CENTER);
txtJumlahPenghasilanOrtu.addActionListener (new
java.awt.event.ActionListener () {
    public void actionPerformed (java.awt.event.ActionEvent
evt) {
        txtJumlahPenghasilanOrtuActionPerformed (evt);
    }
});
txtJumlahPenghasilanOrtu.addKeyListener (new
java.awt.event.KeyAdapter () {
    public void keyPressed (java.awt.event.KeyEvent evt) {
        txtJumlahPenghasilanOrtuKeyPressed (evt);
    }
});

jLabel12.setText ("Jumlah Tanggungan Ortu");

txtJumlahTanggunganOrtu.setHorizontalAlignment (javax.swing.JTextField.CENTER);
txtJumlahTanggunganOrtu.addKeyListener (new
java.awt.event.KeyAdapter () {
    public void keyPressed (java.awt.event.KeyEvent evt) {
        txtJumlahTanggunganOrtuKeyPressed (evt);
    }
});

jLabel20.setText ("Jarak Tempuh ke Sekolah");

txtJumlahKegiatanOrganisasi.setHorizontalAlignment (javax.swing.JTextField.CENTER);
txtJumlahKegiatanOrganisasi.addKeyListener (new
java.awt.event.KeyAdapter () {
    public void keyPressed (java.awt.event.KeyEvent evt) {
        txtJumlahKegiatanOrganisasiKeyPressed (evt);
    }
});

jLabel21.setText ("Jumlah Kegiatan Organisasi");

btnSimpan.setText ("Simpan");
btnSimpan.addActionListener (new
java.awt.event.ActionListener () {
    public void actionPerformed (java.awt.event.ActionEvent
evt) {
        btnSimpanActionPerformed (evt);
    }
});

```

```

        btnKosongkan.setText("Kosongkan");
        btnKosongkan.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                btnKosongkanActionPerformed(evt);
            }
        });

        txtAlamatSiswa.setColumns(20);
        txtAlamatSiswa.setLineWrap(true);
        txtAlamatSiswa.setRows(5);
        txtAlamatSiswa.setWrapStyleWord(true);
        txtAlamatSiswa.setMargin(new java.awt.Insets(2, 5, 2, 5));
        jScrollPane3.setViewportViewView(txtAlamatSiswa);

txtJarakTempuhKeSekolah.setHorizontalAlignment(javax.swing.JTextFie
ld.CENTER);
        txtJarakTempuhKeSekolah.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtJarakTempuhKeSekolahKeyTyped(evt);
            }
        });

        javax.swing.GroupLayout jPanel3Layout = new
javax.swing.GroupLayout(jPanel3);
        jPanel3.setLayout(jPanel3Layout);
        jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGroup(jPanel3Layout.createParallelGroup()
                    .addComponent(btnKosongkan)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(btnSimpan))

            .addGroup(jPanel3Layout.createSequentialGroup()
                .addComponent(jLabel11)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)
                    .addComponent(jScrollPane3,
javax.swing.GroupLayout.PREFERRED_SIZE, 160,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGroup(jPanel3Layout.createSequentialGroup()

```



```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel18)
        .addComponent(jLabel110)
        .addComponent(jLabel112)
        .addComponent(jLabel20)
        .addComponent(jLabel21))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtJumlahPenghasilanOrtu,
javax.swing.GroupLayout.PREFERRED_SIZE, 92,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtNilaiRata2Raport,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(txtJarakTempuhKeSekolah,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 45, Short.MAX_VALUE)

.addComponent(txtJumlahKegiatanOrganisasi,
javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtJumlahTanggungOrtu,
javax.swing.GroupLayout.Alignment.LEADING))))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel11,
javax.swing.GroupLayout.PREFERRED_SIZE, 87,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jScrollPane3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

```

```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.CENTER)
    .addComponent(txtNilaiRata2Raport,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel8))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.CENTER)
    .addComponent(txtJumlahPenghasilanOrtu,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel10))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txtJumlahTanggungOrtu,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel12))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txtJarakTempuhKeSekolah,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel20))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.CENTER)
    .addComponent(txtJumlahKegiatanOrganisasi,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel21))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```

```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.
Alignment.BASELINE)
        .addComponent(btnSimpan)
        .addComponent(btnKosongkan))
        .addContainerGap())
);

javax.swing.GroupLayout jPanel4Layout = new
javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup())
            .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)
            .addComponent(jPanel3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        );
jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel3,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
        .addGroup(layout.createSequentialGroup())

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.TRAILING, false)
            .addComponent(jPanel7,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```

```

        .addComponent(jPanel4,
javafx.swing.GroupLayout.Alignment.LEADING,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(0, 0, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel7,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel4,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE))
    );

    pack();
} // </editor-fold>

private void txtNisnKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtNisn.getText().length() >= 10) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

private void txtTahunAjaranKeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtTahunAjaran.getText().length() >= 9) {
        evt.consume();
    }
}

private void
txtNamaSiswaActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void
txtTempatLahirActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

        private void
txtNamaOrtuActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

        private void
txtNilaiRata2RaportKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtNilaiRata2Raport.getText().length() >= 3) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

        private void
txtJumlahPenghasilanOrtuKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtJumlahPenghasilanOrtu.getText().length() >= 7) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

        private void
txtJumlahTanggungOrtuKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtJumlahTanggungOrtu.getText().length() >= 1) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

        private void
txtJumlahKegiatanOrganisasiKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtJumlahKegiatanOrganisasi.getText().length() >= 1) {
        evt.consume();
    }
    if (!Character.isDigit(evt.getKeyChar())) {
        evt.consume();
    }
}

        private void
btnSimpanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        if (check()) {
            Object[] options = {"Ya", "Tidak"};
            int jwb = JOptionPane.showOptionDialog(this,

```

```

        "Apakah yakin siswa baru disimpan?",
        "Konfirmasi",
        JOptionPane.YES_OPTION,
        JOptionPane.QUESTION_MESSAGE,
        null,
        options,
        options[0]);
    if (jwb == 1) {
        JOptionPane.showMessageDialog(this, "Siswa
baru batal disimpan");
    } else if (jwb == 0) {
        String nisl = txtNisl.getText();
        String nama_siswa = txtNamaSiswa.getText();
        String id_th_ajaran = ath.getIdThAjaran();
        String kelamin = null;
        if (rdoLaki2.isSelected()) {
            kelamin = "Laki-Laki";
        } else if (rdoPerempuan.isSelected()) {
            kelamin = "Perempuan";
        }
        String kelas =
cboKelas.getSelectedItemAt().toString();
        String tempat_lahir =
txtTempatLahir.getText();
        String hari =
cboHari.getSelectedItemAt().toString();
        String bulan =
cboBulan.getSelectedItemAt().toString();
        String tahun =
cboTahun.getSelectedItemAt().toString();
        String tgl_lahir = tahun + "-" + bulan + "-" +
hari;

        String nama_ortu = txtNamaOrtu.getText();
        String pekerjaan_ortu =
cboPekerjaanOrtu.getSelectedItemAt().toString();
        String alamat_siswa =
txtAlamatSiswa.getText();
        String nilai_raport =
txtNilaiRata2Raport.getText();
        String jmlh_penghasilan_ortu =
txtJumlahPenghasilanOrtu.getText();
        String jmlh_tanggung_ortu =
txtJumlahTanggungOrtu.getText();
        String jrk_tempuh_ke_sklh =
txtJarakTempuhKeSekolah.getText();
        String jmlh_kegiatan_org =
txtJumlahKegiatanOrganisasi.getText();

        k.st = k.conn.createStatement();
        String sql = "insert into siswa (id_th_ajaran,
nisl, nama_siswa, kelamin, kelas, tempat_lahir, tgl_lahir,
alamat_siswa, nama_ortu, pekerjaan_ortu, nilai_raport,
jmlh_penghasilan_ortu, jmlh_tanggung_ortu, jrk_tempuh_ke_sklh,
jmlh_kegiatan_org) "
            + "values('" + id_th_ajaran + "','" +
nisl + "','" + nama_siswa + "','" + kelamin + "','" + kelas +

```

```

        "','" + tempat_lahir + "','" + tgl_lahir + "','" + alamat_siswa +
        "','" + nama_ortu + "','" + pekerjaan_ortu + "','" + nilai_raport
        + "','" + jmlh_penghasilan_ortu + "','" + jmlh_tanggung_ortu +
        "','" + jrk_tempuh_ke_sklh + "','" + jmlh_kegiatan_org + "')";
            k.st.execute(sql);
            k.st.close();

            JOptionPane.showMessageDialog(this, "Siswa " +
nama_siswa + " Berhasil disimpan");
            this.refresh();
        } else {
            JOptionPane.showMessageDialog(this, "Siswa
baru batal disimpan");
        }
        } else {
            JOptionPane.showMessageDialog(this, "Data tidak
boleh ada yg kosong");
            this.focus();
        }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Siswa baru gagal
disimpan");

        Logger.getLogger(user_siswa_tambah.class.getName()).log(Level.SEVERE, null, ex);
    }
}

private void
btnKosongkanActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.refresh();
}

private void
txtJumlahPenghasilanOrtuActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
}

private void txtNamaSiswaKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtNamaSiswa.getText().length() >= 30) {
        evt.consume();
    }
}

private void txtTempatLahirKeyTyped(java.awt.event.KeyEvent
evt) {
    // TODO add your handling code here:
    if (txtTempatLahir.getText().length() >= 20) {
        evt.consume();
    }
}

```

```

private void txtNamaOrtuKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtNamaOrtu.getText().length() >= 30) {
        evt.consume();
    }
}

private void
txtJarakTempuhKeSekolahKeyTyped(java.awt.event.KeyEvent evt) {
    // TODO add your handling code here:
    if (txtJarakTempuhKeSekolah.getText().length() >= 4) {
        evt.consume();
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    <editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(user_siswa_tambah.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(user_siswa_tambah.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(user_siswa_tambah.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(user_siswa_tambah.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
    }
}
</editor-fold>

```



```

        /* Create and display the dialog */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                user_siswa_tambah dialog = new
user_siswa_tambah(new javax.swing.JFrame(), true);
                dialog.addWindowListener(new
java.awt.event.WindowAdapter() {
                    @Override
                    public void
windowClosing(java.awt.event.WindowEvent e) {
                        System.exit(0);
                    }
                });
                dialog.setVisible(true);
            }
        });
    }
    // Variables declaration - do not modify
    private javax.swing.JButton btnKosongkan;
    private javax.swing.JButton btnSimpan;
    private javax.swing.JComboBox cboBulan;
    private javax.swing.JComboBox cboHari;
    private javax.swing.JComboBox cboKelas;
    private javax.swing.JComboBox cboPekerjaanOrtu;
    private javax.swing.JComboBox cboTahun;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel12;
    private javax.swing.JLabel jLabel13;
    private javax.swing.JLabel jLabel14;
    private javax.swing.JLabel jLabel15;
    private javax.swing.JLabel jLabel16;
    private javax.swing.JLabel jLabel17;
    private javax.swing.JLabel jLabel18;
    private javax.swing.JLabel jLabel19;
    private javax.swing.JLabel jLabel20;
    private javax.swing.JLabel jLabel21;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JPanel jPanel4;
    private javax.swing.JPanel jPanel7;
    private javax.swing.JScrollPane jScrollPane3;
    private javax.swing.ButtonGroup rdgKelamin;
    private javax.swing.JRadioButton rdoLaki2;
    private javax.swing.JRadioButton rdoPerempuan;
    private javax.swing.JTextArea txtAlamatSiswa;
    private javax.swing.JTextField txtJarakTempuhKeSekolah;

```

```
private javax.swing.JTextField txtJumlahKegiatanOrganisasi;
private javax.swing.JTextField txtJumlahPenghasilanOrtu;
private javax.swing.JTextField txtJumlahTanggungOrtu;
private javax.swing.JTextField txtNamaOrtu;
private javax.swing.JTextField txtNamaSiswa;
private javax.swing.JTextField txtNilaiRata2Raport;
private javax.swing.JTextField txtNisn;
private javax.swing.JTextField txtTahunAjaran;
private javax.swing.JTextField txtTempatLahir;
// End of variables declaration
}
```

## PACKED user (user\_tahun\_ajaran.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package user;

import admin.admin_tahun_ajaran;
import user.user;

/**
 *
 * @author dxdiaxz7z
 */
public class user_tahun_ajaran extends javax.swing.JFrame {

    admin_tahun_ajaran ath;

    /**
     * Creates new form user_tahun_ajaran
     */
    public user_tahun_ajaran() {
        initComponents();
        setLocationRelativeTo(null);

        ath = new admin_tahun_ajaran(this,
rootPaneCheckingEnabled);
        ath.IsiComboThAjaran(cboTahunAjaran);
    }

    /**
     * This method is called from within the constructor to
initialize the form.
     * WARNING: Do NOT modify this code. The content of this
method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated
Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        cboTahunAjaran = new javax.swing.JComboBox();
        btnPilihTahunAjaran = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE
);

        setTitle("Tahun Ajaran");
        setResizable(false);
        addWindowListener(new java.awt.event.WindowAdapter() {
            public void windowActivated(java.awt.event.WindowEvent
evt) {
```

```

        formWindowActivated(evt);
    }
});

jPanel1.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Pi
lih Tahun Ajaran"));

    btnPilihTahunAjaran.setText("Pilih");
    btnPilihTahunAjaran.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnPilihTahunAjaranActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(155, 155, 155)
            .addComponent(btnPilihTahunAjaran)
            .addContainerGap())
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(cboTahunAjaran,
javax.swing.GroupLayout.PREFERRED_SIZE, 155,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(155, 155, 155)
            .addComponent(btnPilihTahunAjaran)
            .addContainerGap())
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(cboTahunAjaran,
javax.swing.GroupLayout.PREFERRED_SIZE, 155,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(155, 155, 155)
            .addComponent(btnPilihTahunAjaran)
            .addContainerGap())
    );
    jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(cboTahunAjaran,
javax.swing.GroupLayout.PREFERRED_SIZE, 155,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(155, 155, 155)
            .addComponent(btnPilihTahunAjaran)
            .addContainerGap())
    );

```

```

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
);

    javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADI
NG)
        .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );

    pack();
} // </editor-fold>

private void
btnPilihTahunAjaranActionPerformed(java.awt.event.ActionEvent evt)
{
    // TODO add your handling code here:

ath.setIdnNmThAjaran(cboTahunAjaran.getSelectedItem().toString());

```

```

        dispose();
        new user().setVisible(true);
    }

    private void formWindowActivated(java.awt.event.WindowEvent
evt) {
        // TODO add your handling code here:
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(user_tahun_ajaran.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(user_tahun_ajaran.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(user_tahun_ajaran.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(user_tahun_ajaran.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new user_tahun_ajaran().setVisible(true);
            }
        });
    }

```

```
}  
// Variables declaration - do not modify  
private javax.swing.JButton btnPilihTahunAjaran;  
private javax.swing.JComboBox cboTahunAjaran;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JPanel jPanel2;  
// End of variables declaration  
}
```

## PACKED user (user\_user\_profile.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package user;

import java.awt.Color;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import spkbeasiswafmadmnsaw.koneksi;

/**
 *
 * @author dxdiarz7z
 */
public class user_user_profile extends javax.swing.JDialog {

    koneksi k;
    String testBtnSunting = "0";

    /**
     * Creates new form user_user_profile
     */
    public user_user_profile(java.awt.Frame parent, boolean modal)
    {
        super(parent, modal);
        initComponents();
        setLocationRelativeTo(null);

        k = new koneksi();
        k.koneksi();

        rdoLaki2.setSelected(true);
        this.tampilkanDataUser();
    }

    void refresh() {
        txtUsername.setText(null);
        txtNip.setText(null);
        txtNama.setText(null);
        txtNoIdentitas.setText(null);
        cboAgama.setSelectedIndex(0);
        rdoLaki2.setSelected(true);
        txtTempatLahir.setText(null);
        cboHari.setSelectedIndex(0);
        cboBulan.setSelectedIndex(0);
        cboTahun.setSelectedIndex(0);
        txtAlamat.setText(null);
        txtTglRegister.setText(null);
        txtKeterangan.setText(null);
        testBtnSunting = "0";
    }
}
```



```

void aktif() {
    //txtUsername.setEditable(true);
    //txtUsername.setBackground(Color.white);
    txtNip.setEditable(true);
    txtNip.setBackground(Color.white);
    txtNama.setEditable(true);
    txtNama.setBackground(Color.white);
    txtNoIdentitas.setEditable(true);
    txtNoIdentitas.setBackground(Color.white);
    cboAgama.setEnabled(true);
    rdoLaki2.setEnabled(true);
    rdoPerempuan.setEnabled(true);
    txtTempatLahir.setEditable(true);
    txtTempatLahir.setBackground(Color.white);
    cboHari.setEnabled(true);
    cboBulan.setEnabled(true);
    cboTahun.setEnabled(true);
    txtAlamat.setEditable(true);
    txtAlamat.setBackground(Color.white);
}

void nonaktif() {
    //txtUsername.setEditable(false);
    //txtUsername.setBackground(Color.lightGray);
    txtNip.setEditable(false);
    txtNip.setBackground(Color.lightGray);
    txtNama.setEditable(false);
    txtNama.setBackground(Color.lightGray);
    txtNoIdentitas.setEditable(false);
    txtNoIdentitas.setBackground(Color.lightGray);
    cboAgama.setEnabled(false);
    rdoLaki2.setEnabled(false);
    rdoPerempuan.setEnabled(false);
    txtTempatLahir.setEditable(false);
    txtTempatLahir.setBackground(Color.lightGray);
    cboHari.setEnabled(false);
    cboBulan.setEnabled(false);
    cboTahun.setEnabled(false);
    txtAlamat.setEditable(false);
    txtAlamat.setBackground(Color.lightGray);
}

boolean check() {
    if (!txtUsername.getText().isEmpty()
        && !txtNip.getText().isEmpty()
        && !txtNama.getText().isEmpty()
        && !txtNoIdentitas.getText().isEmpty()
        && !txtTempatLahir.getText().isEmpty()
        && !txtAlamat.getText().isEmpty()) {
        return true;
    } else {
        return false;
    }
}

```

```

void focus() {
    if (txtUsername.getText().isEmpty()) {
        txtUsername.requestFocusInWindow();
    } else if (txtNip.getText().isEmpty()) {
        txtNip.requestFocusInWindow();
    } else if (txtNama.getText().isEmpty()) {
        txtNama.requestFocusInWindow();
    } else if (txtNoIdentitas.getText().isEmpty()) {
        txtNoIdentitas.requestFocusInWindow();
    } else if (txtTempatLahir.getText().isEmpty()) {
        txtTempatLahir.requestFocusInWindow();
    } else if (txtAlamat.getText().isEmpty()) {
        txtAlamat.requestFocusInWindow();
    }
}

void tampilkanDataUser() {
    try {
        String id_user = k.getIdSession();
        String sql = "SELECT nip, username, password, nama,
alamat, no_identitas, tempat_lahir, tgl_lahir, agama, tgl_reg,
kelamin, keterangan "
            + "FROM user where id_user='" + id_user + "'";
        k.st = k.conn.createStatement();
        k.rs = k.st.executeQuery(sql);

        String kelamin = "";
        String tgl_lahir = "";
        while (k.rs.next()) {
            txtUsername.setText(k.rs.getString("username"));
            txtNip.setText(k.rs.getString("nip"));
            txtNama.setText(k.rs.getString("nama"));
            txtNama.setCaretPosition(0);

txtNoIdentitas.setText(k.rs.getString("no_identitas"));
cboAgama.setSelectedItem(k.rs.getString("agama"));
kelamin = (k.rs.getString("kelamin"));

txtTempatLahir.setText(k.rs.getString("tempat_lahir"));
tgl_lahir = (k.rs.getString("tgl_lahir"));
txtAlamat.setText(k.rs.getString("alamat"));
txtAlamat.setCaretPosition(0);
k.BalikanTglKeJava(k.rs.getString("tgl_reg"));
txtTglRegister.setText(k.getBalikanTglKeJava());

txtKeterangan.setText(k.rs.getString("keterangan"));
        }

        if (txtNama.getText().isEmpty()) {
            //JOptionPane.showMessageDialog(this, "Data tidak
valid");
            this.refresh();
        } else {
            if (kelamin.compareTo("Laki-Laki") == 0) {
                rdoLaki2.setSelected(true);
            } else if (kelamin.compareTo("Perempuan") == 0) {

```

```

        rdoPerempuan.setSelected(true);
    }
    cboTahun.setSelectedItem(tgl_lahir.substring(0,
4));
    cboBulan.setSelectedItem(tgl_lahir.substring(5,
7));
    cboHari.setSelectedItem(tgl_lahir.substring(8,
10));
    }
    k.st.close();
    k.rs.close();
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(this, "Gagal Check");

Logger.getLogger(user_user_profile.class.getName()).log(Level.SEVERE, null, ex);
}
}

/**
 * This method is called from within the constructor to
initialize the form.
 * WARNING: Do NOT modify this code. The content of this
method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated
Code">
private void initComponents() {

    jPanel6 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    jPanel4 = new javax.swing.JPanel();
    jPanel11 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    txtUsername = new javax.swing.JTextField();
    txtNama = new javax.swing.JTextField();
    txtNoIdentitas = new javax.swing.JTextField();
    cboAgama = new javax.swing.JComboBox();
    rdoLaki2 = new javax.swing.JRadioButton();
    rdoPerempuan = new javax.swing.JRadioButton();
    txtNip = new javax.swing.JTextField();
    jLabel11 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jLabel13 = new javax.swing.JLabel();
    txtTglRegister = new javax.swing.JTextField();
    txtTempatLahir = new javax.swing.JTextField();
    jLabel14 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    cboBulan = new javax.swing.JComboBox();
    cboTahun = new javax.swing.JComboBox();
    cboHari = new javax.swing.JComboBox();
    jLabel15 = new javax.swing.JLabel();

```

```

jLabel17 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jScrollPane = new javax.swing.JScrollPane();
txtAlamat = new javax.swing.JTextArea();
jLabel11 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
btnSimpan = new javax.swing.JButton();
btnSunting = new javax.swing.JButton();
jLabel3 = new javax.swing.JLabel();
txtKeterangan = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setTitle("Profile User");
setResizable(false);

jPanel6.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jLabel2.setFont(new java.awt.Font("Arial", 1, 18)); //
NOI18N

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("PROFILE USER");

javax.swing.GroupLayout jPanel6Layout = new
javax.swing.GroupLayout(jPanel6);
jPanel6.setLayout(jPanel6Layout);
jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE, 266, Short.MAX_VALUE)
    );
jPanel6Layout.setVerticalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addComponent(jLabel2,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

jPanel4.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.
RAISED));

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Pr
ofile User"));

```

```

jLabel4.setText("Username");

jLabel6.setText("Nama");

jLabel7.setText("No Identitas");

txtUsername.setEditable(false);
txtUsername.setBackground(java.awt.Color.lightGray);
txtUsername.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtUsername.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        txtUsernameActionPerformed(evt);
    }
});
txtUsername.addKeyListener(new java.awt.event.KeyAdapter()
{
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtUsernameKeyTyped(evt);
    }
});

txtNama.setEditable(false);
txtNama.setBackground(java.awt.Color.lightGray);
txtNama.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtNama.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtNamaKeyTyped(evt);
    }
});

txtNoIdentitas.setEditable(false);
txtNoIdentitas.setBackground(java.awt.Color.lightGray);
txtNoIdentitas.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtNoIdentitas.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtNoIdentitasKeyTyped(evt);
    }
});

cboAgama.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "Islam", "Kristen", "Katholik", "Konghucu", "Hindu",
"Budha" }));
cboAgama.setEnabled(false);

rdoLaki2.setText("Laki - Laki");
rdoLaki2.setEnabled(false);

rdoPerempuan.setText("Perempuan");
rdoPerempuan.setEnabled(false);

txtNip.setEditable(false);
txtNip.setBackground(java.awt.Color.lightGray);
txtNip.setMargin(new java.awt.Insets(2, 5, 2, 5));

```

```

        txtNip.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtNipActionPerformed(evt);
            }
        });
        txtNip.addKeyListener(new java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtNipKeyTyped(evt);
            }
        });

        jLabel1.setText("NIP");

        jLabel8.setText("Agama");

        jLabel13.setText("Jenis Kelamin");

        txtTglRegister.setEditable(false);
        txtTglRegister.setBackground(java.awt.Color.lightGray);

txtTglRegister.setHorizontalAlignment(javax.swing.JTextField.CENTE
R);

        txtTempatLahir.setEditable(false);
        txtTempatLahir.setBackground(java.awt.Color.lightGray);
        txtTempatLahir.setMargin(new java.awt.Insets(2, 5, 2, 5));
        txtTempatLahir.addActionListener(new
java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent
evt) {
                txtTempatLahirActionPerformed(evt);
            }
        });
        txtTempatLahir.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtTempatLahirKeyTyped(evt);
            }
        });

        jLabel14.setText("Tempat Lahir");

jPanel2.setBorder(javax.swing.BorderFactory.createEtchedBorder());

        cboBulan.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12" }));
        cboBulan.setEnabled(false);

        cboTahun.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "1950", "1951", "1952", "1953", "1954", "1955", "1956",
"1957", "1958", "1959", "1960", "1961", "1962", "1963", "1964",
"1965", "1966", "1967", "1968", "1969", "1970", "1971", "1972",

```

```

"1973", "1974", "1975", "1976", "1977", "1978", "1979", "1980",
"1981", "1982", "1983", "1984", "1985", "1986", "1987", "1988",
"1989", "1990", "1991", "1992", "1993", "1994", "1995", "1996",
"1997", "1998", "1999", "2000" }));
    cboTahun.setEnabled(false);

    cboHari.setModel(new javax.swing.DefaultComboBoxModel(new
String[] { "01", "02", "03", "04", "05", "06", "07", "08", "09",
"10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20",
"21", "22", "23", "24", "25", "26", "27", "28", "29", "30", "31"
}));
    cboHari.setEnabled(false);

jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel15.setText("Hari");

jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel17.setText("Bulan");

jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER)
;
    jLabel18.setText("Tahun");

    javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.LEADING, false)
                .addComponent(jLabel15,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(cboHari, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.LEADING, false)
                .addComponent(jLabel17,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(cboBulan, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.LEADING, false)
    .addComponent(jLabel18,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(cboTahun, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );
jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
    .addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
    .addComponent(jLabel15)
    .addComponent(jLabel17)
    .addComponent(jLabel18))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.BASELINE)
    .addComponent(cboHari,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(cboBulan,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(cboTahun,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

jLabel9.setText("Tgl Lahir");

jScrollPane1.addKeyListener(new
java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {

```



```

        jScrollPane1KeyTyped(evt);
    }
});

txtAlamat.setEditable(false);
txtAlamat.setBackground(java.awt.Color.lightGray);
txtAlamat.setColumns(20);
txtAlamat.setLineWrap(true);
txtAlamat.setRows(5);
txtAlamat.setAutoScrolls(false);
txtAlamat.setMargin(new java.awt.Insets(2, 5, 2, 5));
txtAlamat.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyTyped(java.awt.event.KeyEvent evt) {
        txtAlamatKeyTyped(evt);
    }
});
jScrollPane1.setViewportView(txtAlamat);

jLabel11.setText("Alamat");

jLabel10.setText("Tgl Register");

btnSimpan.setText("Simpan");
btnSimpan.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnSimpanActionPerformed(evt);
    }
});

btnSunting.setText("Sunting");
btnSunting.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent
evt) {
        btnSuntingActionPerformed(evt);
    }
});

jLabel3.setText("Keterangan");

txtKeterangan.setEditable(false);
txtKeterangan.setBackground(java.awt.Color.lightGray);

txtKeterangan.setHorizontalAlignment(javax.swing.JTextField.CENTER
);

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup())

```

```

        .addContainerGap ()

.addGroup (jPanel1Layout.createParallelGroup (javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent (jLabel4)
        .addComponent (jLabel11)
        .addComponent (jLabel6)
        .addComponent (jLabel7)
        .addComponent (jLabel8)
        .addComponent (jLabel13)
        .addComponent (jLabel14)
        .addComponent (jLabel9)
        .addComponent (jLabel11)
        .addComponent (jLabel10)
        .addComponent (jLabel3))
        .addGap (12, 12, 12)

.addGroup (jPanel1Layout.createParallelGroup (javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent (jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
        .addComponent (txtNoIdentitas)
        .addComponent (txtNama)
        .addComponent (jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent (txtNip)

.addGroup (jPanel1Layout.createSequentialGroup ())

.addGroup (jPanel1Layout.createParallelGroup (javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent (txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent (cboAgama,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup (jPanel1Layout.createSequentialGroup ())
        .addComponent (rdoLaki2)

.addPreferredGap (javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent (rdoPerempuan)
        .addComponent (txtUsername,
javax.swing.GroupLayout.PREFERRED_SIZE, 123,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup (jPanel1Layout.createParallelGroup (javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addComponent (txtKeterangan,
javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent (txtTglRegister,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 83, Short.MAX_VALUE))

```

```

        .addGap(0, 0, Short.MAX_VALUE))

    .addGroup(jPanell1Layout.createSequentialGroup()
        .addComponent(btnSunting)

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(btnSimpan))
        .addContainerGap()
    );
    jPanell1Layout.setVerticalGroup(

jPanell1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanell1Layout.createSequentialGroup()

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(txtUsername,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel4))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(txtNip,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel1))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(txtNama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel6))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

    .addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(txtNoIdentitas,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel7))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(cboAgama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel8))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(rdoLaki2)
        .addComponent(rdoPerempuan)
        .addComponent(jLabel13))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
        .addComponent(txtTempatLahir,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel14))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING, false)
        .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel9,
javax.swing.GroupLayout.PREFERRED_SIZE, 66,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.LEADING, false)
        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
        .addComponent(jLabel11,
javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(txtTglRegister,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel10,
javax.swing.GroupLayout.PREFERRED_SIZE, 14,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(txtKeterangan,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel3))
    .addGap(18, 18, 18)

.addGroup(jPanell1Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.BASELINE)
    .addComponent(btnSunting)
    .addComponent(btnSimpan))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

    javax.swing.GroupLayout jPanel4Layout = new
javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);
    jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addComponent(jPanell1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );
    jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
    .addComponent(jPanell1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    );

```

```

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel6,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel6,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addComponent(jPanel4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
            );

        pack();
    } // </editor-fold>

    private void
txtUsernameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtUsernameKeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
        if (txtUsername.getText().length() >= 16) {
            evt.consume();
        }
    }

    private void txtNamaKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtNama.getText().length() >= 30) {
            evt.consume();
        }
    }

```

```

    }

    private void txtNoIdentitasKeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtNoIdentitas.getText().length() >= 16) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void txtNipActionPerformed(java.awt.event.ActionEvent
    evt) {
        // TODO add your handling code here:
    }

    private void txtNipKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
        if (txtNip.getText().length() >= 18) {
            evt.consume();
        }
        if (!Character.isDigit(evt.getKeyChar())) {
            evt.consume();
        }
    }

    private void
    txtTempatLahirActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void txtTempatLahirKeyTyped(java.awt.event.KeyEvent
    evt) {
        // TODO add your handling code here:
        if (txtTempatLahir.getText().length() >= 20) {
            evt.consume();
        }
    }

    private void txtAlamatKeyTyped(java.awt.event.KeyEvent evt) {
        // TODO add your handling code here:
    }

    private void jScrollPane1KeyTyped(java.awt.event.KeyEvent evt)
    {
        // TODO add your handling code here:
    }

    private void
    btnSimpanActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if (testBtnSunting.equals("0")) {
            JOptionPane.showMessageDialog(this, "Pilih sunting
            terlebih dahulu");
        }
    }

```

```

    } else {
        try {
            if (check()) {
                Object[] options = {"Ya", "Tidak"};
                int jwb = JOptionPane.showOptionDialog(this,
                    "Apakah yakin profile disunting?",
                    "Konfirmasi",
                    JOptionPane.YES_OPTION,
                    JOptionPane.QUESTION_MESSAGE,
                    null,
                    options,
                    options[0]);
                if (jwb == 1) {
                    JOptionPane.showMessageDialog(this,
"Profile batal disunting");
                } else if (jwb == 0) {
                    String username = txtUsername.getText();
                    String nip = txtNip.getText();
                    String nama = txtNama.getText();
                    String no_identitas =
txtNoIdentitas.getText();
                    String agama =
cboAgama.getSelectedItemAt().toString();
                    String kelamin = null;
                    if (rdoLaki2.isSelected()) {
                        kelamin = "Laki-Laki";
                    } else if (rdoPerempuan.isSelected()) {
                        kelamin = "Perempuan";
                    }
                    String tempat_lahir =
txtTempatLahir.getText();
                    String hari =
cboHari.getSelectedItemAt().toString();
                    String bulan =
cboBulan.getSelectedItemAt().toString();
                    String tahun =
cboTahun.getSelectedItemAt().toString();
                    String tgl_lahir = tahun + "-" + bulan +
                    "-" + hari;

                    String alamat = txtAlamat.getText();

                    k.st = k.conn.createStatement();
                    String sql = "update user set nip='" + nip
+ "', username='" + username + "', nama='" + nama + "', alamat='"
+ alamat + "', no_identitas='" + no_identitas + "',
tempat_lahir='" + tempat_lahir + "', tgl_lahir='" + tgl_lahir +
"', agama='" + agama + "', kelamin='" + kelamin + "' where
id_user='" + k.getIdSession() + "'";
                    k.st.execute(sql);
                    k.st.close();

                    testBtnSunting = "0";
                    this.nonaktif();
                    JOptionPane.showMessageDialog(this,
"Profile berhasil disunting");
                } else {

```



```

        JOptionPane.showMessageDialog(this,
"Profile batal disunting");
    }
    } else {
        JOptionPane.showMessageDialog(this, "Data
tidak boleh ada yg kosong");
        this.focus();
    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Profile gagal
disunting");

Logger.getLogger(user_user_profile.class.getName()).log(Level.SEVERE,
null, ex);
    }
}

private void
btnSuntingActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    testBtnSunting = "1";
    this.aktif();
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(user_user_profile.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(user_user_profile.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

```

```

java.util.logging.Logger.getLogger(user_user_profile.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(user_user_profile.class.getName
()).log(java.util.logging.Level.SEVERE, null, ex);
        }
    }
    //</editor-fold>

    /* Create and display the dialog */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            user_user_profile dialog = new
user_user_profile(new javax.swing.JFrame(), true);
            dialog.addWindowListener(new
java.awt.event.WindowAdapter() {
                @Override
                public void
windowClosing(java.awt.event.WindowEvent e) {
                    System.exit(0);
                }
            });
            dialog.setVisible(true);
        }
    });
}
// Variables declaration - do not modify
private javax.swing.JButton btnSimpan;
private javax.swing.JButton btnSunting;
private javax.swing.JComboBox cboAgama;
private javax.swing.JComboBox cboBulan;
private javax.swing.JComboBox cboHari;
private javax.swing.JComboBox cboTahun;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel6;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JRadioButton rdoLaki2;
private javax.swing.JRadioButton rdoPerempuan;

```

```
private javax.swing.JTextArea txtAlamat;  
private javax.swing.JTextField txtKeterangan;  
private javax.swing.JTextField txtNama;  
private javax.swing.JTextField txtNip;  
private javax.swing.JTextField txtNoIdentitas;  
private javax.swing.JTextField txtTempatLahir;  
private javax.swing.JTextField txtTglRegister;  
private javax.swing.JTextField txtUsername;  
// End of variables declaration  
}
```

## PACKED user (user\_user\_profile\_gantipw.java)

```
/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */
package user;

import java.sql.SQLException;
import javax.swing.JOptionPane;
import spkbeasiswafmadmnsaw.koneksi;

/**
 *
 * @author dxdiarz7z
 */
public class user_user_profile_gantipw extends javax.swing.JDialog
{
    koneksi k;

    /**
     * Creates new form user_user_profile_gantipw
     */
    public user_user_profile_gantipw(java.awt.Frame parent,
boolean modal) {
        super(parent, modal);
        initComponents();
        setLocationRelativeTo(null);

        k = new koneksi();
        k.koneksi();
    }

    boolean check() {
        if (!txtPassLama.getText().isEmpty()
            && !txtPassBaru1.getText().isEmpty()
            && !txtPassBaru2.getText().isEmpty()) {
            return true;
        } else {
            return false;
        }
    }

    void focus() {
        if (txtPassLama.getText().isEmpty()) {
            txtPassLama.requestFocusInWindow();
        } else if (txtPassBaru1.getText().isEmpty()) {
            txtPassBaru1.requestFocusInWindow();
        } else if (txtPassBaru2.getText().isEmpty()) {
            txtPassBaru2.requestFocusInWindow();
        }
    }
}

/**
```

```

        * This method is called from within the constructor to
        initialize the form.
        * WARNING: Do NOT modify this code. The content of this
        method is always
        * regenerated by the Form Editor.
        */
        @SuppressWarnings("unchecked")
        // <editor-fold defaultstate="collapsed" desc="Generated
Code">
        private void initComponents() {

            jPanel2 = new javax.swing.JPanel();
            jLabel1 = new javax.swing.JLabel();
            jLabel2 = new javax.swing.JLabel();
            jLabel3 = new javax.swing.JLabel();
            txtPassLama = new javax.swing.JTextField();
            txtPassBaru1 = new javax.swing.JTextField();
            txtPassBaru2 = new javax.swing.JTextField();
            jSeparator1 = new javax.swing.JSeparator();
            btnGantiPassword = new javax.swing.JButton();

            setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CL
OSE);
            setTitle("Ganti Password");

            jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Ga
nti Password"));

            jLabel1.setText("Password Lama");

            jLabel2.setText("Pasword Baru");

            jLabel3.setText("Ulangi Password");

            txtPassLama.setMargin(new java.awt.Insets(2, 5, 2, 5));
            txtPassLama.addKeyListener(new java.awt.event.KeyAdapter()
{
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPassLamaKeyTyped(evt);
            }
        });

            txtPassBaru1.setMargin(new java.awt.Insets(2, 5, 2, 5));
            txtPassBaru1.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {
                txtPassBaru1KeyTyped(evt);
            }
        });

            txtPassBaru2.setMargin(new java.awt.Insets(2, 5, 2, 5));
            txtPassBaru2.addKeyListener(new
java.awt.event.KeyAdapter() {
            public void keyTyped(java.awt.event.KeyEvent evt) {

```

```

        txtPassBaru2KeyTyped(evt);
    }
});

    btnGantiPassword.setText("Ganti Password");
    btnGantiPassword.addActionListener(new
java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent
evt) {
            btnGantiPasswordActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGroup(jPanel2Layout.createParallelGroup()
                .addComponent(jLabel1,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel2,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel3,
javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addContainerGap())
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayou
t.Alignment.TRAILING, false)
            .addComponent(jSeparator1,
javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(txtPassLama)
            .addComponent(txtPassBaru1,
javax.swing.GroupLayout.DEFAULT_SIZE, 154, Short.MAX_VALUE)
            .addComponent(txtPassBaru2,
javax.swing.GroupLayout.DEFAULT_SIZE, 154, Short.MAX_VALUE)
            .addComponent(btnGantiPassword,
javax.swing.GroupLayout.Alignment.TRAILING))
        .addGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

```

```

        jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup())

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(txtPassLama,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(8, 8, 8)
                .addComponent(jSeparator1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELA
TED)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(jLabel2)
                .addComponent(txtPassBarul,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.BASELINE)
                .addComponent(jLabel3)
                .addComponent(txtPassBaru2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATE
D)

                .addComponent(btnGantiPassword)

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addComponent(jPanel2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jPanel2,
javafx.swing.GroupLayout.PREFERRED_SIZE,
javafx.swing.GroupLayout.DEFAULT_SIZE,
javafx.swing.GroupLayout.PREFERRED_SIZE)
        );

        pack();
} // </editor-fold>

private void txtPassLamaKeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtPassLama.getText().length() >= 16) {
        evt.consume();
    }
}

private void txtPassBaru1KeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtPassBaru1.getText().length() >= 16) {
        evt.consume();
    }
}

private void txtPassBaru2KeyTyped(java.awt.event.KeyEvent evt)
{
    // TODO add your handling code here:
    if (txtPassBaru2.getText().length() >= 16) {
        evt.consume();
    }
}

private void
btnGantiPasswordActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        if (check()) {
            k.st = k.conn.createStatement();
            String sql1 = "select password from user where
id_user=" + k.getIdSession() + " ";
            k.rs = k.st.executeQuery(sql1);
            String passdb = "";
            while (k.rs.next()) {
                passdb = k.rs.getString("password");
            }
            k.rs.close();

```



```

        if (txtPassLama.getText().compareTo(passdb) == 0)
    {
        if
    (txtPassBaru1.getText().compareTo(txtPassBaru2.getText()) == 0
        && !txtPassBaru1.getText().isEmpty()
        && !txtPassBaru2.getText().isEmpty())
    {
        Object[] options = {"Ya", "Tidak"};
        int jwb =
    JOptionPane.showOptionDialog(this,
        "Apakah yakin password " +
    txtPassLama.getText() + " diganti dengan " +
    txtPassBaru1.getText() + "",
        "Konfirmasi",
        JOptionPane.YES_OPTION,
        JOptionPane.QUESTION_MESSAGE,
        null,
        options,
        options[0]);
        if (jwb == 1) {
            JOptionPane.showMessageDialog(this,
    "Password batal diganti");
        } else if (jwb == 0) {
            String sql2 = "update user set
    password='" + txtPassBaru1.getText() + "' where id_user='" +
    k.getIdSession() + "'";
            k.st.execute(sql2);
            JOptionPane.showMessageDialog(this,
    "Password berhasil diganti menjadi " + txtPassBaru1.getText() +
    "");
            dispose();
        }
        } else {
            JOptionPane.showMessageDialog(this,
    "Password baru tidak cocok, Silahkan cek lagi");
        }
        } else {
            JOptionPane.showMessageDialog(this, "Password
    lama tidak cocok, Silahkan cek lagi");
            txtPassLama.setText(null);
            this.focus();
        }
        k.st.close();
    } else {
        JOptionPane.showMessageDialog(this, "Data tidak
    boleh ada yg kosong");
        this.focus();
    }
    } catch (SQLException ex) {
        JOptionPane.showMessageDialog(this, "Password gagal
    diganti");
    }
    }
    /**

```

```

    * @param args the command line arguments
    */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
        * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
        */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;

                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(user_user_profile_gantipw.class
.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(user_user_profile_gantipw.class
.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(user_user_profile_gantipw.class
.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(user_user_profile_gantipw.class
.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the dialog */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                user_user_profile_gantipw dialog = new
user_user_profile_gantipw(new javax.swing.JFrame(), true);
                dialog.addWindowListener(new
java.awt.event.WindowAdapter() {
                    @Override
                    public void
windowClosing(java.awt.event.WindowEvent e) {
                        System.exit(0);
                    }
                });
                dialog.setVisible(true);
            }
        });
    }
}

```

```
}  
// Variables declaration - do not modify  
private javax.swing.JButton btnGantiPassword;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel3;  
private javax.swing.JPanel jPanel2;  
private javax.swing.JSeparator jSeparator1;  
private javax.swing.JTextField txtPassBaru1;  
private javax.swing.JTextField txtPassBaru2;  
private javax.swing.JTextField txtPassLama;  
// End of variables declaration  
}
```