

LAMPIRAN SOURCE CODE

Jadwal SMS

```
package android.penjadwalansms;

import java.util.ArrayList;

import android.app.Activity;

import android.os.Bundle;

import android.penjadwalansms.adapter.ScheduleAdapter;

import android.penjadwalansms.lib.Database;

import android.penjadwalansms.model.SMSEntity;

import android.penjadwalansms.R;

import android.view.View;

import android.widget.AdapterView;

import android.widget.AdapterView.OnItemClickListener;

import android.widget.ListView;

import android.widget.Toast;

public class Jadwal extends Activity implements OnItemClickListener {

    private ArrayList<SMSEntity> list_data;

    private ListView list;

    private ScheduleAdapter sch_adapter;

    private Database db;

    private SMSEntity item;

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_schedule);

        //onPrepareDB();
```

```

        db = new Database(getBaseContext());
        list = (ListView) findViewById(R.id.list_schedule);
        list_data = new ArrayList<SMSEntity>(db.getAllSMSEntity());
        sch_adapter = new ScheduleAdapter(this, list_data);
        list.setAdapter(sch_adapter);
        sch_adapter.notifyDataSetChanged();
        list.setOnItemClickListener(this);
    }

    private void onPrepareDB() {
        if (getBaseContext().databaseList().length > 0) {
            db = new Database(getBaseContext());
            getBaseContext().deleteDatabase("SMS.db");
            System.out.println("Membangun Kembali Database...");
        } else if (getBaseContext().databaseList().length == 0) {
            db = new Database(getBaseContext());
            System.out.println("Membangun Database Untuk
Pertamakali...");
        }

        public void onItemClick(AdapterView<?> parent, View view, int position,
            long id) {
            item = list_data.get(position);
            Toast.makeText(getBaseContext(), item.getMessage(),
            Toast.LENGTH_SHORT).show();
        }
    }
}

```

Membuat Pesan

```
package android.penjadwalansms;

import java.util.ArrayList;

import android.content.Intent;

import android.database.Cursor;

import android.net.Uri;

import android.os.Bundle;

import android.penjadwalansms.adapter.SimpleAdapter;

import android.penjadwalansms.control.DataSource;

import android.penjadwalansms.lib.Time;

import android.penjadwalansms.model.SMSEntity;

import android.penjadwalansms.viewpager.PageHandler;

import android.provider.ContactsContract;

import android.support.v7.app.AppCompatActivity;

import android.util.Log;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.view.ViewConfiguration;

import android.widget.EditText;

import android.widget.Spinner;

import android.widget.Toast;

public class MembuatPesan extends AppCompatActivity {

    static final int PICK_CONTACT_REQUEST = 1;

    private final static String TAG = "PesanSMS";

    ArrayList<String> daftar_tujuan;

    SMSEntity sms;
```

```

        EditText tujuan, pesan;

        SimpleAdapter simpleAdapter;

        Spinner spinner_timer;

        String dateNow = Time.DateNow();

        DataSource source = DataSource.source();

        protected void onCreate(Bundle savedInstanceState) {

            super.onCreate(savedInstanceState);

            setContentView(R.layout.activity_membuat_pesan);

try {

            ViewConfiguration config = ViewConfiguration.get(this);

            java.lang.reflect.Field menuKeyField = ViewConfiguration.class

.getDeclaredField("sHasPermanentMenuKey");

            if (menuKeyField != null) {

                menuKeyField.setAccessible(true);

                menuKeyField.setBoolean(config, false);

            }

            } catch (Exception e) {

                System.out.println("Exception : " + e.toString());

            }

            daftar_tujuan = new ArrayList<String>();

            tujuan = (EditText) findViewById(R.id.tujuan);

            pesan = (EditText) findViewById(R.id.pesan);

            listInitializer();

        }

        private void listInitializer() {

            spinner_timer = (Spinner) findViewById(R.id.spiner_timer);

```

```

        simpleAdapter=newSimpleAdapter(getBaseContext(),
Time.listTimer());

        spinner_timer.setAdapter(simpleAdapter);
    }

    private void schedule() {

        Intent jadwal = new Intent(this, Jadwal.class);

        startActivity(jadwal);

    }

    public void tambahKontak() {

        Intent pickContactIntent = new Intent(Intent.ACTION_PICK,

            ContactsContract.Contacts.CONTENT_URI);
        pickContactIntent

        .setType(ContactsContract.CommonDataKinds.Phone.CONTENT_TYPE);
startActivityForResult(pickContactIntent, PICK_CONTACT_REQUEST);

    }

    public void onActivityResult(int requestCode, int resultCode, Intent
intent) {

        activitzsuper.onActivityResult(requestCode, resultCode, intent);String
txt_daftar_tujuan;

        if (requestCode == PICK_CONTACT_REQUEST) {

            if (resultCode == RESULT_OK) {

                Uri pickedPhoneNumber = intent.getData();

                Cursor c =
getContentResolver().query(pickedPhoneNumber, null,

                    null, null, null);

                if (c.moveToFirst()) {

                    String name = c

                        .getString(c

```

```

        .getColumnIndex(ContactsContract.Contacts.DISPLAY_NAME));

        String phoneNumber = c

            .getString(c

                .getColumnIndex(ContactsContract.CommonDataKinds.Phone.NUMBER));

        Log.d(TAG, "Tujuan : " + name + " - " +
phoneNumber);
        daftar_tujuan.add(phoneNumber);if (tujuan.length() != 0) {

            txt_daftar_tujuan = tujuan.getText().toString() + ";
                + (name + "(" + phoneNumber +
                ")");tujuan.setText(txt_daftar_tujuan);} else {
txt_daftar_tujuan = (name + "(" + phoneNumber + ")"
                .toString();    tujuan.setText(txt_daftar_tujuan);

            }

        }

    }

}

public void nextStep(View v) {

    if (tujuan.length() == 0) {

        Toast.makeText(getBaseContext(), "Nomor tujuan tidak boleh
        kosong",Toast.LENGTH_SHORT).show();} else if (pesan.length() == 0) {

        Toast.makeText(getBaseContext(), "Isi Pesan tidak boleh kosong",

            Toast.LENGTH_SHORT).show();

        } else {

            Intent next = new Intent(this, MengaturWaktu.class);

            /*

            * next.putExtra("daftar_tujuan", daftar_tujuan);

```

```

        * next.putExtra("message", pesan.getText().toString());
        */

        source.setTujuan(daftar_tujuan);
        source.setPesan(pesan.getText().toString());

        source.setDurasi(spinner_timer.getSelectedItem().toString());

        startActivity(next);
    }
}

@Override
public boolean onCreateOptionsMenu(Menu menu) { // digunakan untuk
membuat

        // actionsmenu

        getMenuInflater().inflate(R.menu.pesan_sms, menu); // digunakan
untuk

        // menginisialisasi

        // file menu xml

        // kedalam menu

        // object

        return true;
    }
}

```

```

// untuk memberievent terhadap setiap item yang sedang diklik
public boolean onOptionsItemSelected(MenuItem item) {
    Intent i;
    switch (item.getItemId()) {
        case R.id.action_add_kontak:
            tambahKontak();
            return true;
        case R.id.action_list_schedule:
            schedule();
            return true;
        case R.id.action_message_box:
            i = new Intent(getBaseContext(),
MengambilSMSmasuk.class);
            startActivity(i);
            return true;
        case R.id.action_about:
            i = new Intent(getBaseContext(), PageHandler.class);
            startActivity(i);
            return true;
        default:
            return super.onOptionsItemSelected(item);
    }
}
}

```


Mengambil SMS Masuk

```
package android.penjadwalansms;

import android.app.Activity;
import android.content.ContentResolver;
import android.database.Cursor;
import android.net.Uri;
import android.os.Bundle;
import android.penjadwalansms.R;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.ListView;
import android.widget.SimpleCursorAdapter;
import android.widget.TextView;

public class MengambilSMSmasuk extends Activity implements OnClickListener {

    // GUI Widget
    Button btnSent, btnInbox, btnDraft;
    TextView lblMsg, lblNo;
    ListView lvMsg;

    // Cursor Adapter
    SimpleCursorAdapter adapter;
```

```
/** Called when the activity is first created. */  
  
@Override  
public void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_message_box);  
  
    // Init GUI Widget  
    btnInbox = (Button) findViewById(R.id.btnInbox);  
    btnInbox.setOnClickListener(this);  
  
    btnSent = (Button) findViewById(R.id.btnSentBox);  
    btnSent.setOnClickListener(this);  
  
    btnDraft = (Button) findViewById(R.id.btnDraft);  
    btnDraft.setOnClickListener(this);  
  
    lvMsg = (ListView) findViewById(R.id.lvMsg)  
}
```

```
@SuppressWarnings("deprecation")
```

```
@Override
```

```
public void onClick(View v) {
```

```
    if (v == btnInbox) {
```

```
        // Create Inbox box URI
```

```

Uri inboxURI = Uri.parse("content://sms/inbox");

// List required columns
String[] reqCols = new String[] { "_id", "address", "body" };

// Get Content Resolver object, which will deal with
Content

// Provider
ContentResolver cr = getContentResolver();

// Fetch Inbox SMS Message from Built-in Content Provider
Cursor c = cr.query(inboxURI, reqCols, null, null, null);

// Attached Cursor with adapter and display in listview
adapter = new SimpleCursorAdapter(this,
String[] {
    R.layout.activity_message_box_row, c, new
    { R.id.lblMsg,
        "body", "address" }, new int[]
        { R.id.lblNumber });
lvMsg.setAdapter(adapter);

}

if (v == btnSent) {

// Create Sent box URI

```

```

Uri sentURI = Uri.parse("content://sms/sent");

// List required columns
String[] reqCols = new String[] { "_id", "address", "body" };

// Get Content Resolver object, which will deal with
Content

// Provider
ContentResolver cr = getContentResolver();

// Fetch Sent SMS Message from Built-in Content Provider
Cursor c = cr.query(sentURI, reqCols, null, null, null);

// Attached Cursor with adapter and display in listview
adapter = new SimpleCursorAdapter(this,
String[] {
    R.layout.activity_message_box_row, c, new
    { R.id.lblMsg,
        "body", "address" }, new int[]
        { R.id.lblNumber });
lvMsg.setAdapter(adapter);

}

if (v == btnDraft) {
    // Create Draft box URI
    Uri draftURI = Uri.parse("content://sms/draft");

```

```

// List required columns
String[] reqCols = new String[] { "_id", "address", "body" };

// Get Content Resolver object, which will deal with
Content

// Provider
ContentResolver cr = getContentResolver();

// Fetch Sent SMS Message from Built-in Content Provider
Cursor c = cr.query(draftURI, reqCols, null, null, null);

// Attached Cursor with adapter and display in listview
adapter = new SimpleCursorAdapter(this,
String[] {
    R.layout.activity_message_box_row, c, new
    { R.id.lblMsg,
        "body", "address" }, new int[]
        { R.id.lblNumber });
lvMsg.setAdapter(adapter);
}

}
}

```

Mengatur Waktu

```
package android.penjadwalansms;

import java.util.ArrayList;

import android.content.Intent;

import android.os.Bundle;

import android.penjadwalansms.control.DataSource;

import android.penjadwalansms.lib.Time;

import android.support.v7.app.AppCompatActivity;

import android.util.Log;

import android.view.View;

import android.widget.TextView;

public class MengaturWaktu extends AppCompatActivity {

    private String TAG = "SetTime";

    ArrayList<String> daftar_tujuan;

    TextView txt_tanggal, txt_jam, txt_durasi;

    DataSource source = DataSource.source();

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_atur_waktu);

        txt_tanggal = (TextView) findViewById(R.id.lbl_tanggal);

        txt_jam = (TextView) findViewById(R.id.lbl_jam);

        txt_durasi = (TextView) findViewById(R.id.lbl_durasi);

        initializing();

    }

}
```

```
private void initializing() {  
    Log.d(TAG, "Penginisialisasian sedang diproses...");  
    String time_start = Time.TimeNow();  
    String time_finished = Time.addMinutes(Time.DateNow(),  
source.getDurasi());  
    source.setWaktuSelesai(time_finished);  
    txt_tanggal.setText(Time.sliceDate(Time.DateNow()));  
    txt_jam.setText(time_start + " - " + time_finished);  
    txt_durasi.setText(source.getDurasi());  
}  
public void nextStep(View v) {  
    startActivity(new Intent(this, MengirimSMS.class));  
}  
}
```

Mengirim SMS

```
package android.penjadwalansms;

import java.util.ArrayList;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.os.CountDownTimer;

import android.penjadwalansms.control.DataSource;

import android.penjadwalansms.control.Timer;

import android.penjadwalansms.lib.Database;

import android.penjadwalansms.lib.Time;

import android.penjadwalansms.model.SMSEntity;

import android.penjadwalansms.R;

import android.util.Log;

import android.view.View;

import android.widget.Button;

import android.widget.ImageView;

import android.widget.TextView;

import android.widget.Toast;

public class MengirimSMS extends Activity {

    private CountDownTimer countDownTimer;

    private Database db;

    private TextView text, text2, text3;

    private String message;

    private String start_time, finish_time;

    private long interval;
```

```

private Button newMessage;

ArrayList<String> daftar_tujuan;

ArrayList<SMSEntity> sms;

DataSource source = DataSource.source();

@Override

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_send);

    daftar_tujuan = source.getTujuan();

    message = source.getPesan();

    start_time = Time.currentTimeMillis();

    finish_time = source.getWaktuSelesai();

    interval = Time.getDuration(finish_time - start_time);

    Log.d("Proses",
"=====");

    Log.d("Proses", "Lama kirim : " + interval);

    Log.d("Proses", "Total nomor tujuan: " + daftar_tujuan.size());

    Log.d("Proses", "Pesan : " + message);

    /* =====Inisialisasi seluruh
Komponen===== */

    if (db == null) {

        db = new Database(this);

    }

    sms = new ArrayList<SMSEntity>();

    newMessage = (Button) findViewById(R.id.newMessage);

    newMessage.setVisibility(View.INVISIBLE);

```

```

        text = (TextView) findViewById(R.id.status);
        text2 = (TextView) findViewById(R.id.status_content1);
        text3 = (TextView) findViewById(R.id.status_content2)
    }

    public void sendMessage(View v) {
        ImageView btn_kirim = (ImageView) findViewById(R.id.btn_kirim);

        btn_kirim.setClickable(false);

        newMessage.setVisibility(View.VISIBLE);

        countDownTimer = new Timer(getBaseContext(), text, text2,
        text3,daftar_tujuan, message, interval, (1 * 1000));

        countDownTimer.start();

        source.setWaktuMulai(start_time);

        source.setDurasi(String.valueOf(interval));
    }

    private void registerSMS() {
        for (int i = 0; i < daftar_tujuan.size(); i++) {
            db.addSMS(new SMSEntity(daftar_tujuan.get(i), message, start_time,
            finish_time));

            Log.d("SendPage", message);
        }

        Toast.makeText(getBaseContext(), "Create new SMS",
        Toast.LENGTH_SHORT)

            .show();

        if (daftar_tujuan.size() != 0) {
            db.addSMS(new SMSEntity(daftar_tujuan.get(0), message,
            start_time,

```

```

                                finish_time));

                                }

                                }

                                public void newSMS(View v) {

                                    registerSMS();

                                    Intent PesanSMS = new Intent(this, MembuatPesan.class);

                                    startActivity(PesanSMS);

                                }

                                }

```

```

package android.penjadwalansms.adapter;

```

```

import java.util.ArrayList;

```

```

import android.app.Activity;

```

```

import android.content.Context;

```

```

import android.penjadwalansms.model.SMSEntity;

```

```

import android.penjadwalansms.R;

```

```

import android.view.LayoutInflater;

```

```

import android.view.View;

```

```

import android.view.ViewGroup;

```

```

import android.widget.BaseAdapter;

```

```

import android.widget.TextView;

```

```
public class ScheduleAdapter extends BaseAdapter {  
    private Activity activity;  
    private LayoutInflater inflater;  
    private ArrayList<SMSEntity> sms;  
  
    public ScheduleAdapter() {  
  
    }  
}
```

ScheduleAdapter

```
    public ScheduleAdapter(Activity activity, ArrayList<SMSEntity> sms) {  
        this.activity = activity;  
        this.sms = sms;  
    }  
  
    @Override
```

```
    public int getCount() {  
        return sms.size();  
    }  
  
    @Override
```

```
    public Object getItem(int position) {  
        return sms.get(position);  
    }  
  
    @Override
```

```
    public long getItemId(int position) {  
  
    }  
}
```

```

        return position;
    }

    @Override
    public View getView(int position, View convertView, ViewGroup parent) {
        if (inflater == null)
            inflater = (LayoutInflater) activity

            .getSystemService(Context.LAYOUT_INFLATER_SERVICE);

        if (convertView == null)
            convertView = inflater.inflate(R.layout.schedule_list_row,
null);

        TextView lbl_tanggal_dibuat = (TextView) convertView
            .findViewById(R.id.tanggal_dibuat);

        TextView lbl_tujuan = (TextView)
convertView.findViewById(R.id.tujuan);

        TextView lbl_pesanan = (TextView)
convertView.findViewById(R.id.pesanan);

        TextView lbl_tanggal_dijadwal = (TextView) convertView
            .findViewById(R.id.tanggal_jadwal);

        SMSEntity item = sms.get(position);

        lbl_tanggal_dibuat.setText(item.getStart_time());
        lbl_tanggal_dijadwal.setText("Jadwal : " + item.getTarget_time());
        lbl_tujuan.setText("Tujuan : " + item.getTarget_number());
        lbl_pesanan.setText("Pesanan : " + item.getMessage());
    }

```

```
        return convertView;
    }
}

package android.penjadwalansms.adapter;
```

SimpleAdapter

```
import android.content.Context;
import android.penjadwalansms.R;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.BaseAdapter;
import android.widget.TextView;

public class SimpleAdapter extends BaseAdapter {
    Context context;
    String[] data;

    public SimpleAdapter(Context context, String[] data) {
        this.context = context;
        this.data = data;
    }

    @Override
    public int getCount() {
        return data.length;
    }
}
```

```
}
```

```
@Override
```

```
public Object getItem(int position) {
```

```
    return data[position];
```

```
}
```

```
@Override
```

```
public long getItemId(int position) {
```

```
    return position;
```

```
}
```

```
@Override
```

```
public View getView(int position, View convertView, ViewGroup parent) {
```

```
    LayoutInflater inflater = (LayoutInflater) context
```

```
.getSystemService(Context.LAYOUT_INFLATER_SERVICE);
```

```
    View row = inflater.inflate(R.layout.list_item_timer, parent, false);
```

```
    TextView label = (TextView) row.findViewById(R.id.item_timer);
```

```
    label.setText(data[position]);
```

```
    return row;
```

```
}
```

```
}
```

```
package android.penjadwalansms.control;
```

```
import java.util.ArrayList;
```

SimpleAdapter

```
public class DataSource {
```

```
    private ArrayList<String> tujuan;
```

```
    private String pesan;
```

```
    private String durasi;
```

```
    private String waktuMulai;
```

```
    private String waktuSelesai;
```

```
    private static DataSource dataSource = null;
```

```
    protected DataSource() {  
    }  
}
```

```
    public static DataSource source() {  
        if (dataSource == null) {  
            dataSource = new DataSource();  
        }  
        return dataSource;  
    }  
}
```

```
    public static void clear() {  
        source().tujuan.clear();  
        source().pesan = null;  
    }  
}
```

```
        source().durasi = null;

        source().waktuMulai = null;

        source().waktuSelesai = null;
    }
```

```
    public ArrayList<String> getTujuan() {

        return tujuan;
    }
```

```
    public void setTujuan(ArrayList<String> tujuan) {

        this.tujuan = tujuan;
    }
```

```
    public String getPesan() {

        return pesan;
    }
```

```
    public void setPesan(String pesan) {

        this.pesan = pesan;
    }
```

```
    public String getDurasi() {

        return durasi;
    }
```

```
    public void setDurasi(String durasi) {
```

```
        this.durasi = durasi;
    }

    public String getWaktuMulai() {
        return waktuMulai;
    }

    public void setWaktuMulai(String waktuMulai) {
        this.waktuMulai = waktuMulai;
    }

    public String getWaktuSelesai() {
        return waktuSelesai;
    }

    public void setWaktuSelesai(String waktuSelesai) {
        this.waktuSelesai = waktuSelesai;
    }
}
```

```
package android.penjadwalansms.control;
```

```
import android.content.BroadcastReceiver;
```

```
import android.content.Context;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.telephony.SmsManager;
```

```
import android.telephony.gsm.SmsMessage;
```

```
import android.util.Log;
```

```
import android.widget.Toast;
```

```
@SuppressWarnings("deprecation")
```

```
public class IncomingSMS extends BroadcastReceiver{
```

```
    final SmsManager sms = SmsManager.getDefault();
```

```
    @Override
```

```
    public void onReceive(Context context, Intent intent) {
```

```
        final Bundle bundle = intent.getExtras();
```

```
        try {
```

```
            if (bundle != null) {
```

```
                final Object[] pdusObj = (Object[]) bundle.get("pdus");
```

```
                for (int i = 0; i < pdusObj.length; i++) {
```

```
        SmsMessage currentMessage = SmsMessage.createFromPdu((byte[])
pdusObj[i]);
```

```
        String phoneNumber =
currentMessage.getDisplayOriginatingAddress();
```

```
        String senderNum = phoneNumber;
```

```
        String message = currentMessage.getDisplayMessageBody();
```

```
        Log.i("SmsReceiver", "senderNum: "+ senderNum + "; message: " +
message);
```

```
        // Show Alert
```

```
        int duration = Toast.LENGTH_LONG;
```

```
        Toast toast = Toast.makeText(context,
```

```
            "senderNum: "+ senderNum + ", message: " + message,
duration);
```

```
        toast.show();
```

```
    } // end for loop
```

```
    } // bundle is null
```

```
    } catch (Exception e) {
```

```
        Log.e("SmsReceiver", "Exception smsReceiver" +e);
```

```
    }
```

```
}
```

```
package android.penjadwalansms.control;
```

SendSMS

```
import android.content.Context;
```

```
import android.penjadwalansms.lib.Database;
```

```
import android.telephony.SmsManager;
```

```
import android.util.Log;
```

```
import android.widget.Toast;
```

```
public class SendSMS {
```

```
    private static Context context;
```

```
    private static final String TAG = "SENDS SMS";
```

```
    static String number;
```

```
    static String message;
```

```
    Database db;
```

```
    public SendSMS() {
```

```
    }
```

```
    public SendSMS(String number, String message) {
```

```
        super();
```

```
        SendSMS.number = number;
```

```
        SendSMS.message = message;
```

```
    }
```

```
    public Context getContext() {
```

```

        return context;
    }

    public void setContext(Context context) {
        SendSMS.context = context;
    }

    public void kirim() {
        db = new Database(context);

        Log.d(TAG, "Mengirim Pesan");
        try {
            SmsManager smsManager = SmsManager.getDefault();
            smsManager.sendTextMessage(number, null, message,
null, null);

            Toast.makeText(context, "SMS sent.",
Toast.LENGTH_LONG).show();
        } catch (Exception e) {
            Toast.makeText(context, "SMS failed, please try again.",
                Toast.LENGTH_LONG).show();
            e.printStackTrace();
        }
    }
}

```

```
package android.penjadwalansms.control;
```

```
import java.util.List;
```

```
timer
```

```
import android.content.Context;
```

```
import android.graphics.Color;
```

```
import android.os.CountDownTimer;
```

```
import android.view.View;
```

```
import android.widget.TextView;
```

```
public class Timer extends CountDownTimer {
```

```
    private List<String> number;
```

```
    private String message;
```

```
    private TextView text, content_stat1, content_stat2;
```

```
    Context context;
```

```
    public Timer(Context context, TextView text, TextView text2,
```

```
                TextView text3, List<String> number, String message,
```

```
                long startTime, long countDownInterval) {
```

```
        super(startTime, countDownInterval);
```

```
        this.number = number;
```

```
        this.message = message;
```

```
        this.text = text;
```

```
        this.content_stat1 = text2;
```

```
        this.content_stat2 = text3;
```

```
        this.context = context;
    }
```

@Override

```
public void onTick(long millisUntilFinished) {
    text.setTextColor(Color.parseColor("#FF9800"));
    text.setText("" + (millisUntilFinished / 1000) + " detik");
    content_stat1.setText("Menghitung Mundur");
    content_stat2.setText("");
}
```

@Override

```
public void onFinish() {
    text.setVisibility(View.INVISIBLE);
    text.setTextColor(Color.parseColor("#8BC34A"));
    content_stat1.setText("Pesan telah terkirim...");
    content_stat2.setVisibility(View.INVISIBLE);

    for (int i = 0; i < number.size(); i++) {
        SendSMS pesan = new SendSMS(number.get(i), message);
        pesan.setContext(context);
        pesan.kirim();
    }
}
```



```
        Typeface font_bold =  
        Typeface.createFromAsset(context.getAssets(),  
                                "Roboto/Roboto-Bold.ttf");
```

```
    switch (style) {
```

```
        case 1:
```

```
            text.setTypeface(font_light);
```

```
            break;
```

```
        case 2:
```

```
            text.setTypeface(font_thin);
```

```
            break;
```

```
        case 3:
```

```
            text.setTypeface(font_regular);
```

```
            break;
```

```
        case 4:
```

```
            text.setTypeface(font_medium);
```

```
            break;
```

```
        case 5:
```

```
            text.setTypeface(font_bold);
```

```
            break;
```

```
        default:
```

```
            break;
```

```
    }
```

```
}
```

```
}
```

```
package android.penjadwalansms.lib;
```

```
import android.content.Context;
```

```
import android.graphics.Typeface;
```

```
import android.util.AttributeSet;
```

```
import android.widget.TextView;
```

```
public class TextViewLight extends TextView{
```

```
    public TextViewLight(Context context) {
```

```
        super(context);
```

```
        setFont();
```

```
    }
```

```
    public TextViewLight(Context context, AttributeSet attrs) {
```

```
        super(context, attrs);
```

```
        setFont();
```

```
    }
```

```
    public TextViewLight(Context context, AttributeSet attrs, int defStyle) {
```

```
        super(context, attrs, defStyle);
```

```
        setFont();
```

```
    }
```

```
    private void setFont() {
```

```
        Typeface font =  
        Typeface.createFromAsset(getContext().getAssets(),
```

```

        "Roboto/Roboto-Light.ttf");
        setTypeface(font);
    }
}

package android.penjadwalansms.lib;

import android.content.Context;
import android.graphics.Typeface;
import android.util.AttributeSet;
import android.widget.TextView;

public class TextViewThin extends TextView {
    public TextViewThin(Context context) {
        super(context);
        setFont();
    }

    public TextViewThin(Context context, AttributeSet attrs) {
        super(context, attrs);
        setFont();
    }

    public TextViewThin(Context context, AttributeSet attrs, int defStyle) {
        super(context, attrs, defStyle);
        setFont();
    }
}

```

```

        private void setFont() {

            Typeface font =
Typeface.createFromAsset(getContext().getAssets(),
                            "Roboto/Roboto-Thin.ttf");

            setTypeface(font, Typeface.NORMAL);

        }
    }

package android.penjadwalansms.lib;


import java.text.ParseException;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.Date;
import java.util.Locale;


import android.util.Log;


public class Time {

    public static Locale getLocale() {

        return Locale.getDefault();

    }


    public static String DateNow() {

        Date dNow = new Date();

        SimpleDateFormat ft = new SimpleDateFormat("yyyy-MM-dd
hh:mm:ss",

```

```

        getLocale());
        return ft.format(dNow);
    }

    public static String TimeNow() {
        Date dNow = new Date();
        SimpleDateFormat ft = new SimpleDateFormat("hh:mm",
getLocale());
        return ft.format(dNow);
    }

    public static String sliceDate(String Date) {
        return Date.substring(0, 10);
    }

    public static String sliceTime(String Date) {
        return Date.substring(11, 18);
    }

    public static String sliceTimeHourMinutes(String Date) {
        return Date.substring(11, 21);
    }

    public static Date createDate(String date) {
        Log.d("CreateDate", "Parameter Tanggal : " + date);
    }

```

```

        Date dateCreated = null;

        try {

            dateCreated = new SimpleDateFormat("yyyy-MM-dd
hh:mm:ss",

                                           getLocale()).parse(date);

        } catch (ParseException e) {

            Log.d("Time",

                  "Tidak dapat menginstansiasi tanggal dari
parameter tanggal (String) yang diberikan");

        }

        return dateCreated;

    }

```

```

public static Date createDateBasedTime(String time) {

    Date dateCreated = null;

    String formatDate = sliceDate(DateNow()) + " " + time + ":00";

    try {

        dateCreated = new SimpleDateFormat("yyyy-MM-dd
hh:mm:ss",

                                           getLocale()).parse(formatDate);

        Log.d("Parameter Watku", dateCreated.toString());

    } catch (ParseException e) {

        Log.d("Time",

              "Tidak dapat menginstansiasi tanggal dari
parameter waktu (String) yang diberikan");

    }

    return dateCreated;
}

```

```
}
```

```
public static String addMinutes(String date, String minutes) {  
    Date time = null;  
    Calendar cal = Calendar.getInstance();  
    cal.setTime(createDate(date));  
    cal.add(Calendar.MINUTE, Integer.parseInt(minutes));  
    time = cal.getTime();  
    return time.toString().substring(11, 16);  
}
```

```
public static long getDuration(String targetTime) {  
    long duration = 0;  
    long firstTime = createDate(DateNow()).getTime();  
    long finishTime = createDateBasedTime(targetTime).getTime();  
    duration = finishTime - firstTime;  
  
    Log.d("Duration", "Durasi : " + duration);  
  
    return duration;  
}
```

```
public static String[] listTimer() {  
    String[] listMinutes = new String[60];  
    for (int i = 0; i < 60; i++) {
```

```

        listMinutes[i] = String.valueOf(i + 1);
    }
    return listMinutes;
}

}

package android.penjadwalansms.model;

import java.io.Serializable;

@SuppressWarnings("serial")
public class SMSEntity implements Serializable {
    private int ID;
    private String target_number;
    private String message;
    private String start_time;
    private String target_time;

    public SMSEntity() {
    }

    public SMSEntity(String target_number, String message) {
        this.target_number = target_number;
        this.message = message;
    }
}

```

```
public SMSEntity(String target_number, String message, String start_time,  
                 String target_time) {  
    this.target_number = target_number;  
    this.message = message;  
    this.start_time = start_time;  
    this.target_time = target_time;  
}
```

```
public int getID() {  
    return ID;  
}
```

```
public void setID(int ID) {  
    this.ID = ID;  
}
```

```
public String getTarget_number() {  
    return target_number;  
}
```

```
public void setTarget_number(String target_number) {  
    this.target_number = target_number;  
}
```

```
public String getMessage() {  
    return message;  
}
```

```
}
```

```
public void setMessage(String message) {
```

```
    this.message = message;
```

```
}
```

```
public String getStart_time() {
```

```
    return start_time;
```

```
}
```

```
public void setStart_time(String start_time) {
```

```
    this.start_time = start_time;
```

```
}
```

```
public String getTarget_time() {
```

```
    return target_time;
```

```
}
```

```
public void setTarget_time(String target_time) {
```

```
    this.target_time = target_time;
```

```
}
```

```
}
```

```
package android.penjadwalansms.model;
```

```
import java.io.Serializable;
```

```
@SuppressWarnings("serial")
```

```
public class SMSEntity implements Serializable {
```

```
    private int ID;
```

```
    private String target_number;
```

```
    private String message;
```

```
    private String start_time;
```

```
    private String target_time;
```

```
    public SMSEntity() {
```

```
    }
```

```
    public SMSEntity(String target_number, String message) {
```

```
        this.target_number = target_number;
```

```
        this.message = message;
```

```
    }
```

```
    public SMSEntity(String target_number, String message, String start_time,
```

```
        String target_time) {
```

```
        this.target_number = target_number;
```

```
        this.message = message;
```

```
        this.start_time = start_time;
```

```
        this.target_time = target_time;
```

```
    }
```

```
    public int getID() {
```

```
        return ID;
```

```
}
```

```
public void setID(int ID) {
```

```
    this.ID = ID;
```

```
}
```

```
public String getTarget_number() {
```

```
    return target_number;
```

```
}
```

```
public void setTarget_number(String target_number) {
```

```
    this.target_number = target_number;
```

```
}
```

```
public String getMessage() {
```

```
    return message;
```

```
}
```

```
public void setMessage(String message) {
```

```
    this.message = message;
```

```
}
```

```
public String getStart_time() {
```

```
    return start_time;
```

```
}
```

```

        public void setStart_time(String start_time) {
            this.start_time = start_time;
        }

        public String getTarget_time() {
            return target_time;
        }

        public void setTarget_time(String target_time) {
            this.target_time = target_time;
        }
    }

    package android.penjadwalansms.viewpager;

    import android.app.Activity;
    import android.os.Bundle;
    import android.penjadwalansms.R;
    import android.support.v4.view.ViewPager;

    public class PageHandler extends Activity {
        @Override
        protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_intro);

            PageAdapter adapter = new PageAdapter();

```

```
        ViewPager viewPager = (ViewPager)
findViewById(R.id.viewPager);

        viewPager.setAdapter(adapter);
    }
}
```