

LAMPIRAN

LISTING PROGRAM

1. Registrasi Service Worker

```
// Mendaftarkan Service Worker
if ('serviceWorker' in navigator) {
    window.addEventListener('load', function () {
        navigator.serviceWorker.register('/service-
worker.js', { scope: '/' })
        .then(function (registration) {
            console.log('Service Worker terdaftar:',
registration.scope);
        }).catch(function (err) {
            console.log('Service Worker gagal
didaftarkan:', err);
        });
    });
}
```

2. Pendefinisian *Static Cache Storage*

```
// ♦ Cache dan Aset
const CACHE_VERSION = '1.0.0';
const CACHE_NAME = `kraeng-app-${CACHE_VERSION}`;
const OFFLINE_URL = 'offline.html';

// ♦ Assets untuk precache
const PRECACHE_ASSETS = [
    '/', 'index.html', OFFLINE_URL,
    'manifest.json',
    'database/about_Us.php',
    'database/blog.php',
    'database/contact.php',
    'database/css/admin_styles.css',
    'database/css/admin.css',
    'database/css/comment_styles.css',
    'database/css/dashboard-style.css',
    'database/css/stylea.css',
    'database/css/styles.css',
    'database/css/styling.css',
    'database/images/Icon/Admin x Pengurus.png',
    'database/images/Icon/arrow2.png',
    'database/images/Icon/Button-Kirim.png',
    'database/images/Icon/closed-eye.png',
    'database/images/Icon/Hide.png',
    'database/images/Icon/Icon-Menu - Copy.png',
    'database/images/Icon/Icon-Menu.png',
    'database/images/Icon/Icon-Menu2.png',
    'database/images/Icon/Log_Out.png',
    'database/images/Icon/Logout_37127.png',
    'database/images/Icon/logout-icon.png',
```

```

        'database/images/Icon/open-eye.png',
        // Asset statis lainnya
    ];

```

3. Instalasi Service Worker

```

// 📌 Install
self.addEventListener('install', (event) => {
    event.waitUntil(
        caches.open(CACHE_NAME).then(async (cache) => {
            console.log('📦 Caching asset statis...');
            await Promise.all(PRECACHE_ASSETS.map(async (asset) => {
                try {
                    console.log('📌 Mencache:', asset);
                    const response = await fetch(asset);
                    if (response.ok) {
                        await cache.put(asset, response.clone());
                        console.log('✅ Berhasil cache: ${asset}`);
                    } else {
                        console.warn('⚠️ Gagal fetch (status ${response.status}): ${asset}`);
                    }
                } catch (error) {
                    console.error('❌ Error caching ${asset}:`, error);
                }
            }));
        }));
});

```

4. Aktivasi Service Worker

```

// 📌 Activate
self.addEventListener('activate', (event) => {
    event.waitUntil(
        async () => {
            const keys = await caches.keys();
            await Promise.all(
                keys.map((key) => {
                    if (key !== CACHE_NAME) {
                        console.log('🗑️ Menghapus cache lama:', key);
                        return caches.delete(key);
                    }
                })
            );
        }
    );
    console.log('🚀 Service Worker aktif.');
```

```

    await self.clients.claim();
});

```

5. Melakukan *Dynamic Cache Storage*

```
// ◆ Fetch Handler
self.addEventListener('fetch', (event) => {
  const request = event.request;
  const url = new URL(request.url);

  if (request.method !== 'GET') return;

  if (
    url.pathname.includes('/database/home.php') ||
    url.pathname.includes('/database/blog2.php') ||
    url.pathname.includes('/database/contact2.php') ||
    url.pathname.includes('/database/search.php') ||
    url.pathname.includes('/database/about.php') ||
    url.pathname.includes('/database/detail.php')
  ) {
    event.respondWith(
      fetch(request)
        .then(response => {
          if (response.type === 'opaqueredirect' ||
response.status === 302) return response;
          const clone = response.clone();
          caches.open(CACHE_NAME).then(cache =>
cache.put(request, clone));
          return response;
        })
        .catch(() => caches.match(request).then(res =>
res || caches.match(OFFLINE_URL)))
    );
    return;
  }

  if (
    url.pathname.includes('/database/login.php') ||
    url.pathname.includes('/database/logout.php') ||
    url.pathname.includes('/database/register.php') ||
    url.pathname.includes('/database/submit_comment.php') ||
    url.pathname.includes('/database/user.php')
  ) {
    event.respondWith(
      fetch(request)
        .then(response => {
          const clone = response.clone();
          caches.open(CACHE_NAME).then(cache =>
cache.put(request, clone));
          return response;
        })
        .catch(() => caches.match(request))
    );
    return;
  }

  if (PRECACHE_ASSETS.includes(url.pathname)) {
    event.respondWith(
      caches.match(request).then(response => response ||
```

```

fetch(request))
    );
    return;
}

event.respondWith(
    fetch(request)
        .then(response => response)
        .catch(() => caches.match(request).then(res => res
|| caches.match(OFFLINE_URL)))
    );
});

```

6. Koneksi Database

```

DB_CONNECTION=mysql
DB_HOST=localhost
DB_DATABASE=db_pariwisata
DB_USERNAME=root
DB_PASSWORD=

```

7. Manifest

```

{
  "name": "Artikel Wisata Manggarai Barat",
  "short_name": "Artikel Wisata Manggarai",
  "start_url": " index.html",
  "display": "standalone",
  "background_color": "#673AB7",
  "theme_color": "#673AB7",
  "icons": [
    {
      "src": "database/images/logos/48x48.png",
      "sizes": "48x48",
      "type": "image/png"
    },
    {
      "src": "database/images/logos/72x72.png",
      "sizes": "72x72",
      "type": "image/png"
    },
    {
      "src": "database/images/logos/96x96.png",
      "sizes": "96x96",
      "type": "image/png"
    },
    {
      "src": "database/images/logos/144x144.png",
      "sizes": "144x144",
      "type": "image/png"
    },
    {
      "src": "database/images/logos/192x192.png",
      "sizes": "192x192",
      "type": "image/png"
    },
  ],

```

```

    {
      "src": "database/images/logos/512x512.png",
      "sizes": "512x512",
      "type": "image/png"
    }
  ]
}

```

8. Push Notification

```

function sendPushNotificationMassal($title, $body, $url,
  $subscriptions) {
  $auth = getVapidConfig();
  $webPush = new WebPush($auth);
  $successCount = 0;
  foreach ($subscriptions as $subscriptionData) {
    if (!isset($subscriptionData['endpoint'])) continue;
    $subscription = Subscription::create([
      'endpoint' => $subscriptionData['endpoint'],
      'publicKey' =>
        $subscriptionData['keys']['p256dh'],
      'authToken' =>
        $subscriptionData['keys']['auth'],
    ]);
    $payload = json_encode([
      'title' => $title,
      'body' => $body,
      'url' => $url
    ]);
    try {
      $report =
        $webPush->sendOneNotification($subscription, $payload);
      if ($report->isSuccess()) {
        $successCount++;
      } else {
        error_log("✗ Gagal kirim notifikasi ke
          endpoint: " . $subscriptionData['endpoint'] . " | Alasan:
          " . $report->getReason());
      }
    } catch (Exception $e) {

```

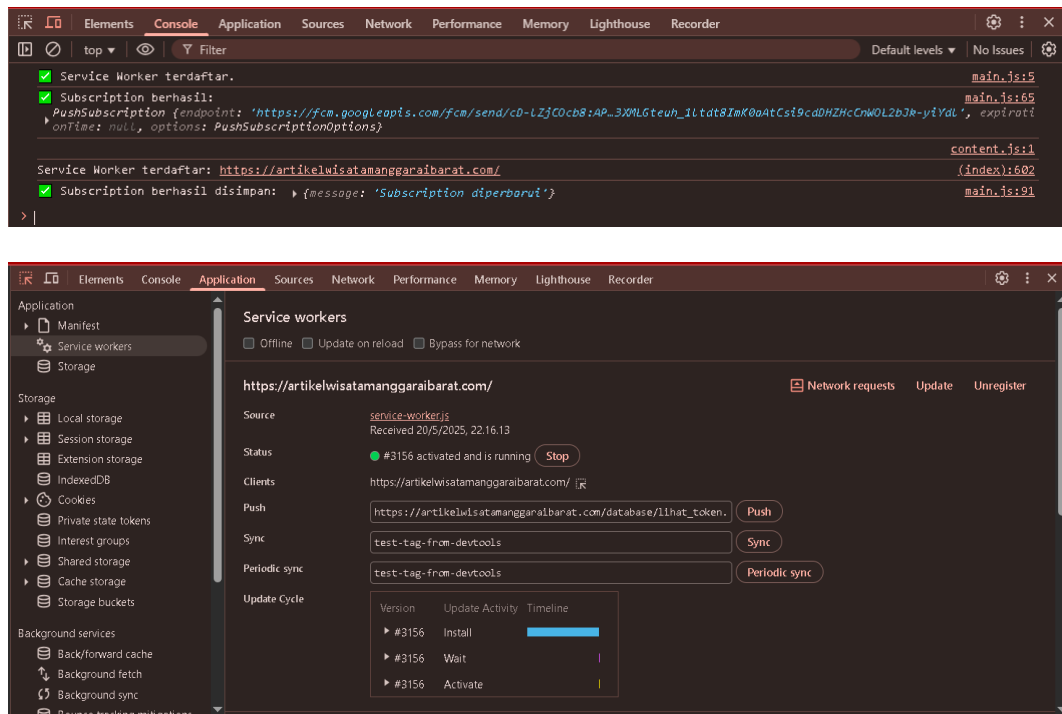
```
        error_log("✗ Exception saat kirim notifikasi:
" . $e->getMessage());
    }
}
return ['success' => $successCount];
}
```

CARA MENJALANKAN PROGRAM

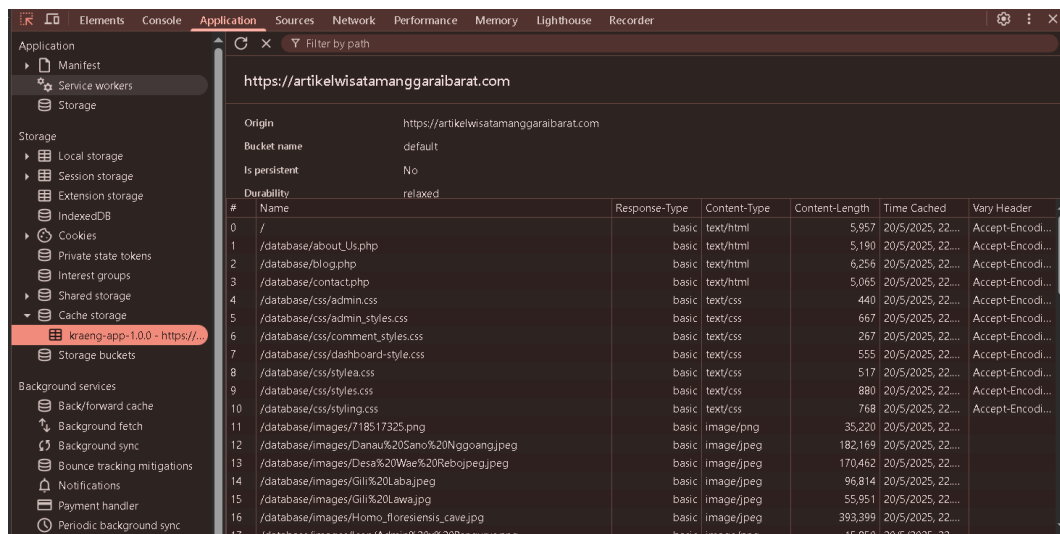
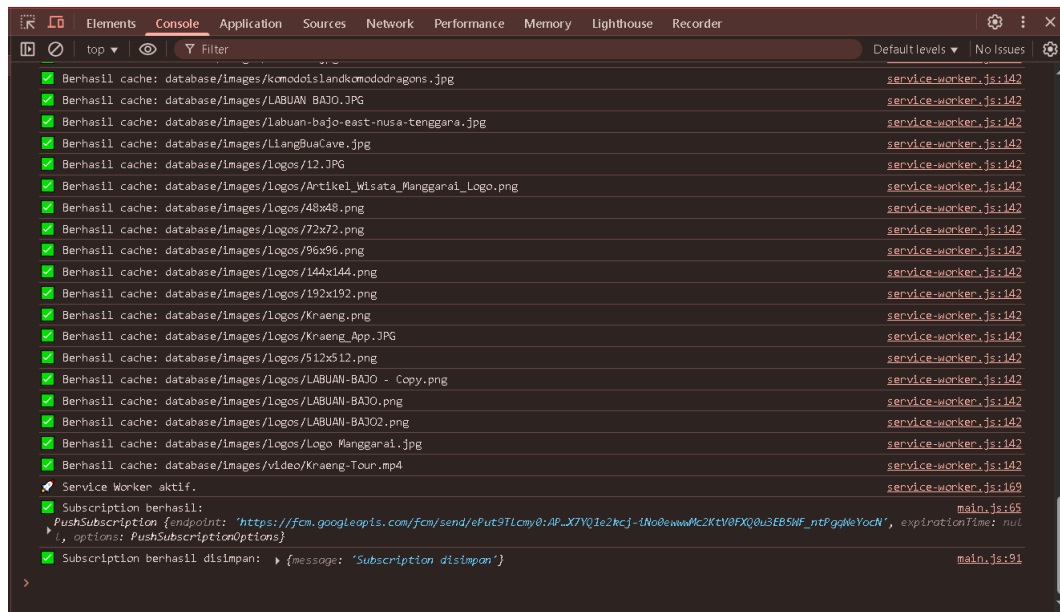
1. Halaman Utama Pengguna



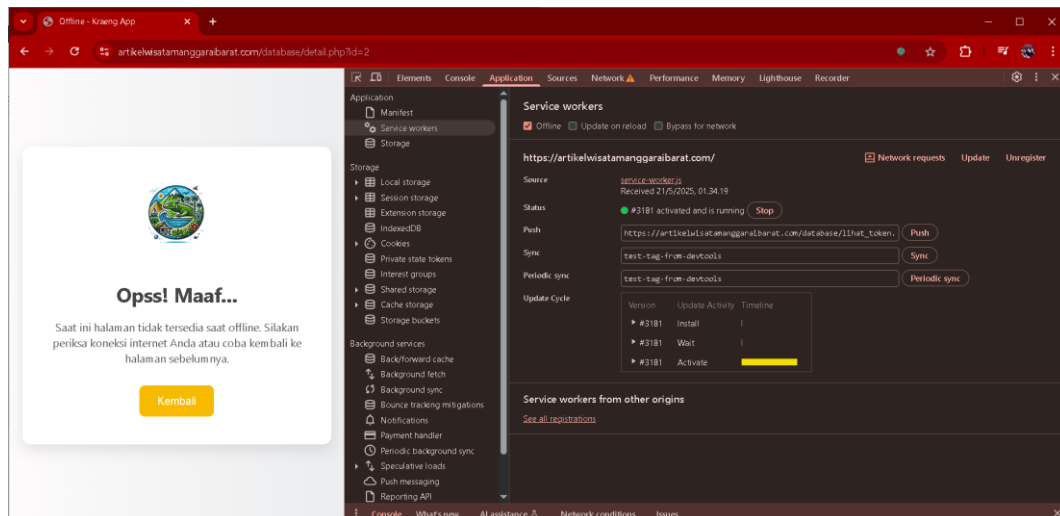
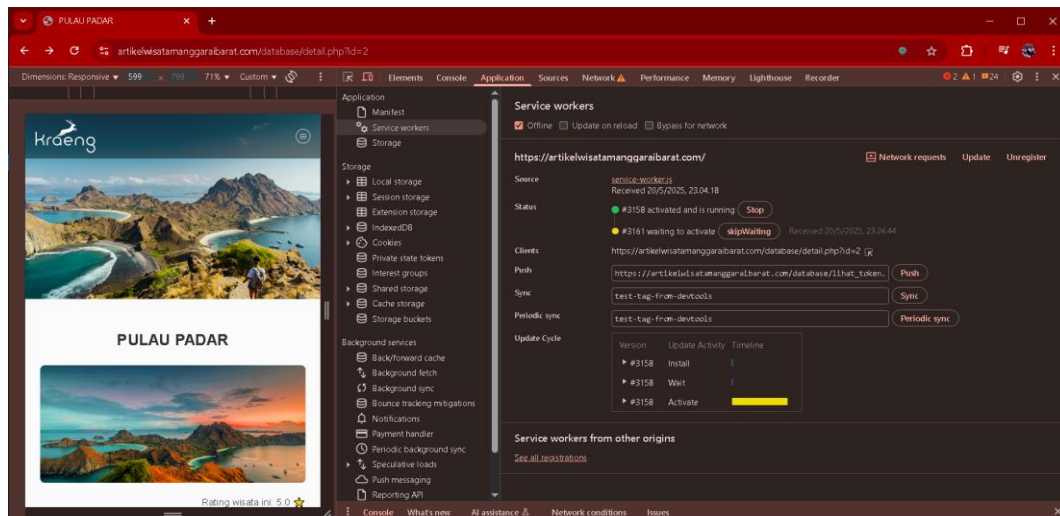
2. Registrasi Service Worker Berhasil



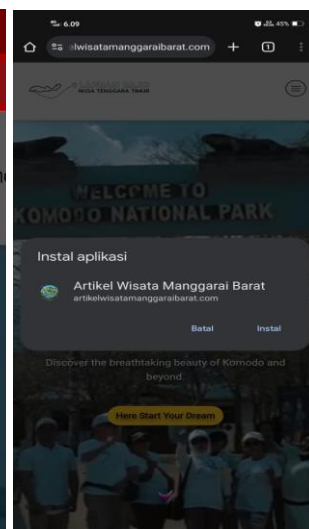
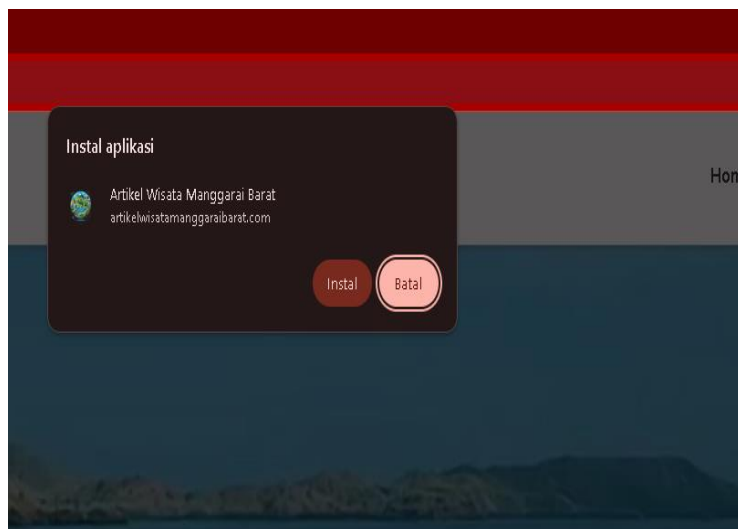
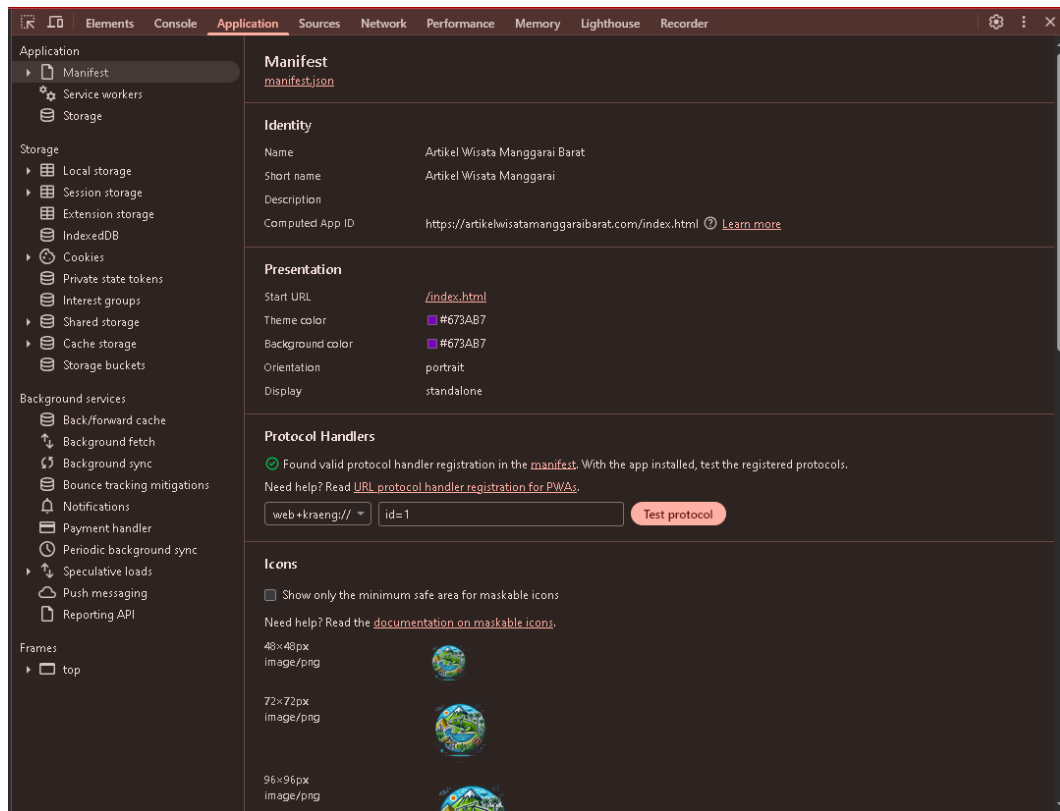
3. Cache Dan Asset Dan Penyimpanan File Cache Storage

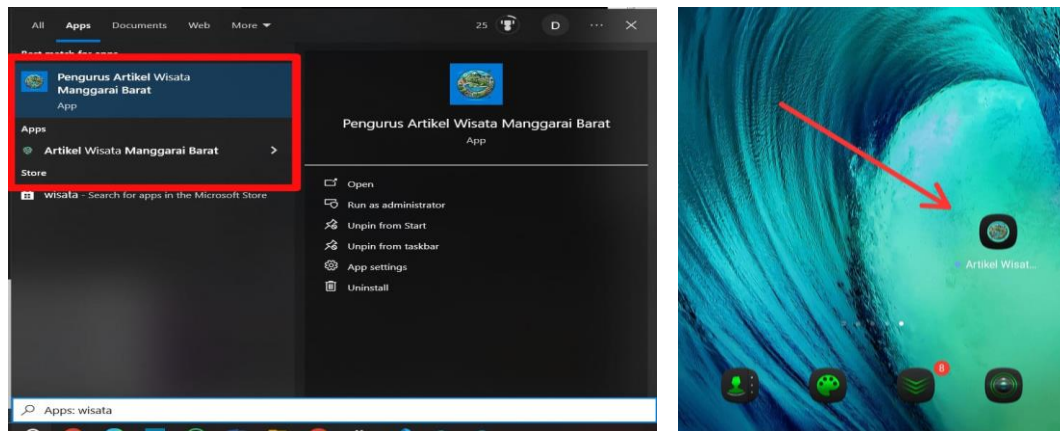


4. Mengakses Website Ketika Offline

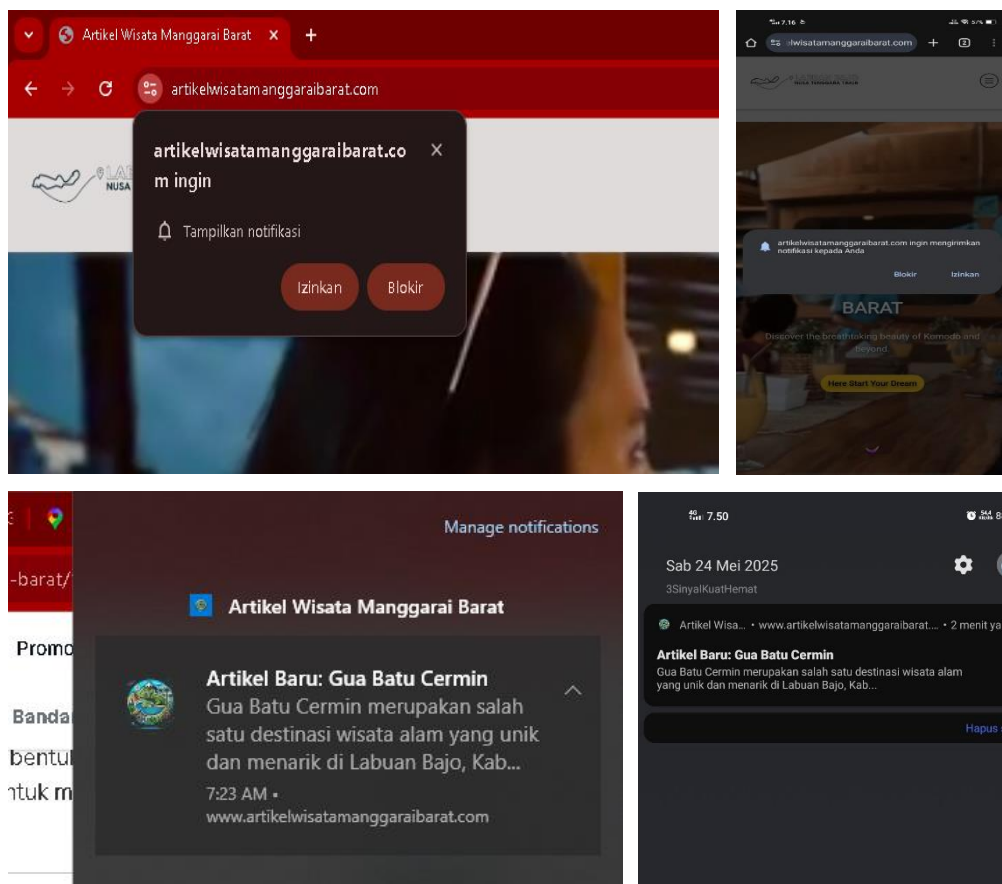


5. Add To Homescreen

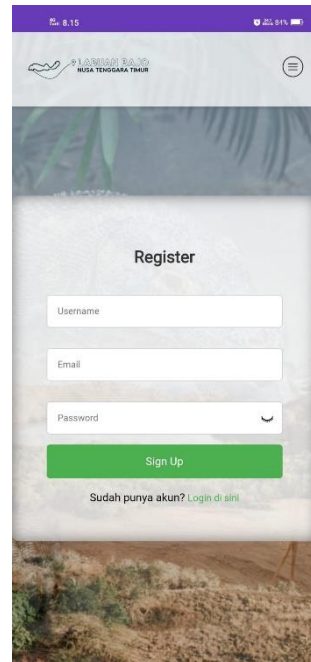
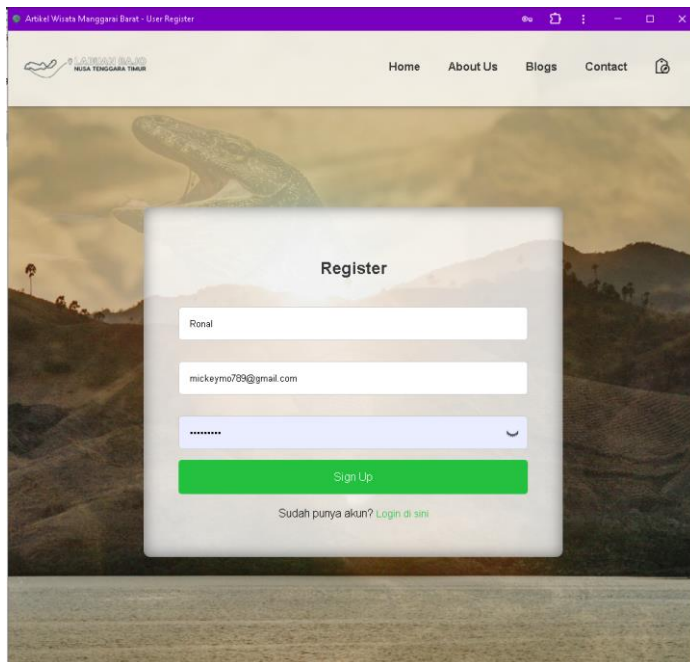




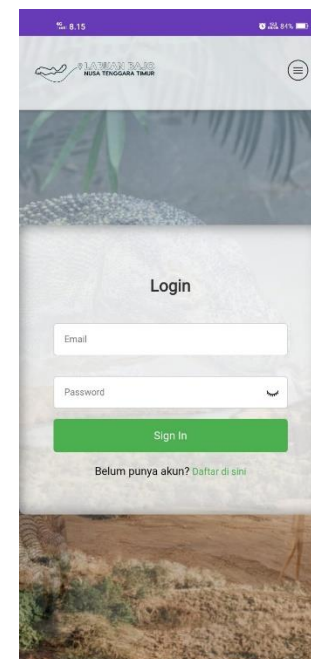
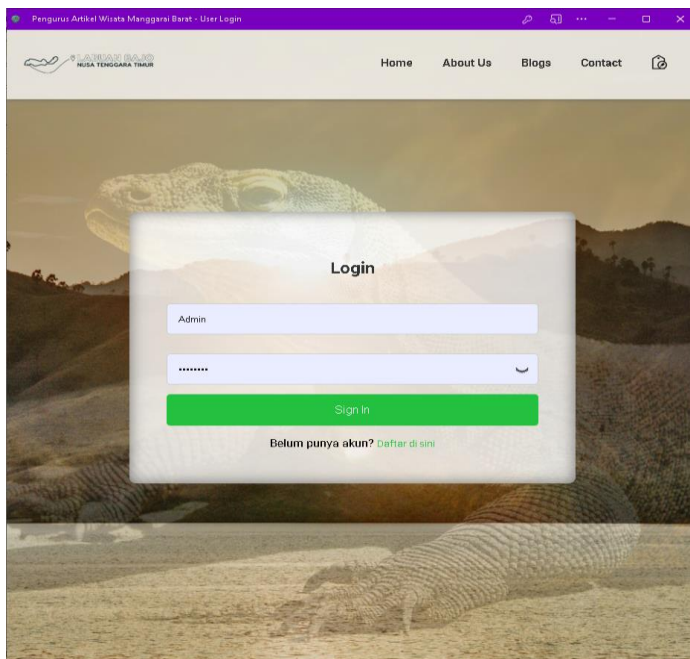
6. Push Notification Subscription



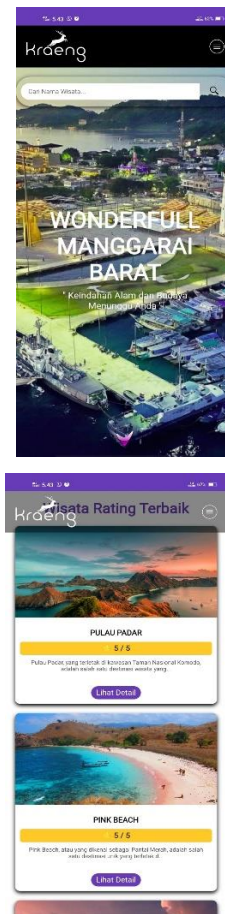
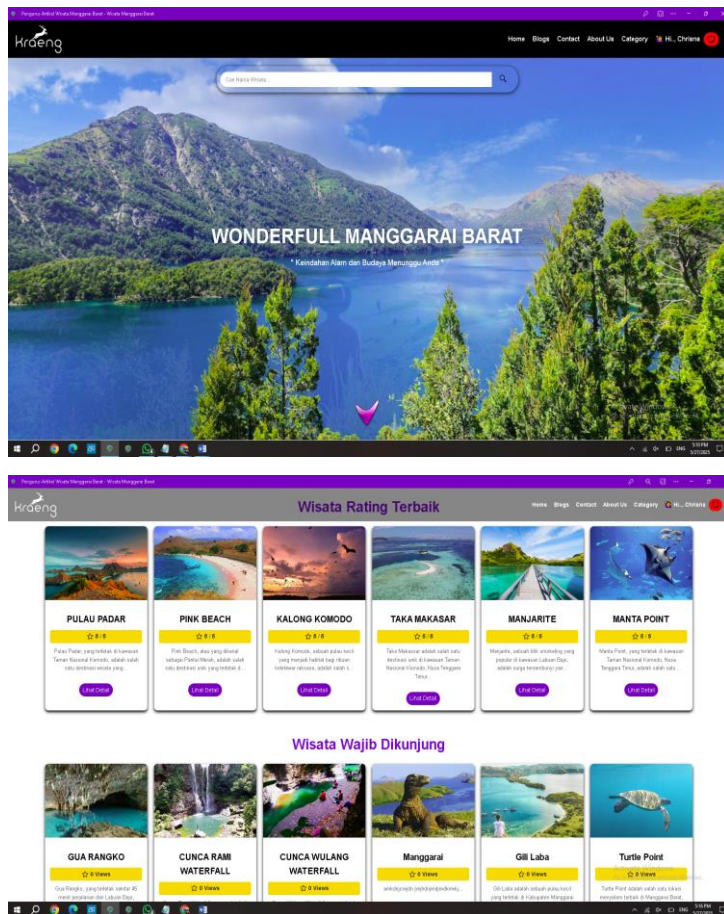
7. Tampilan Halaman Register User



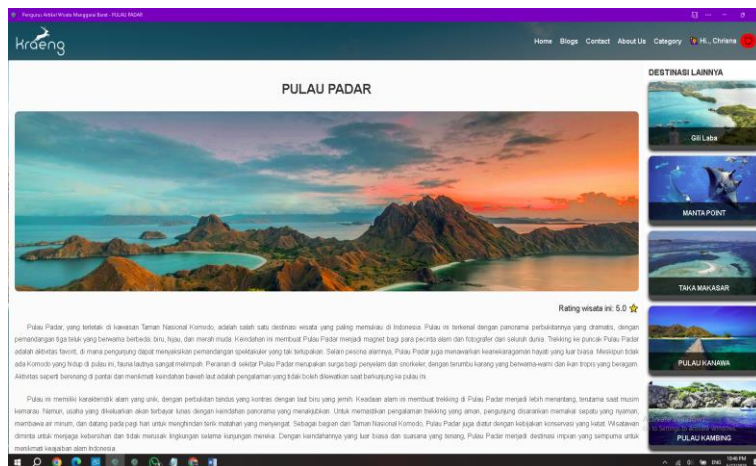
8. Tampilan Halaman Login User

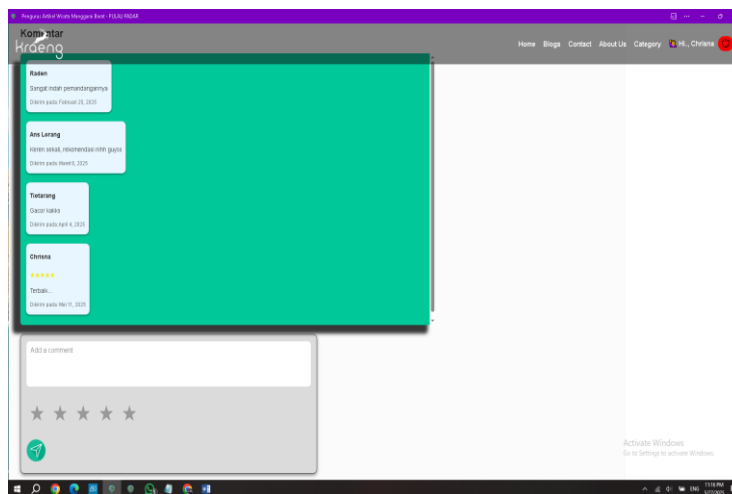
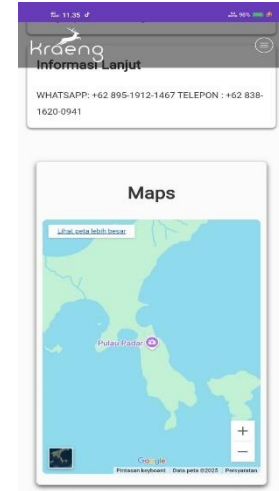
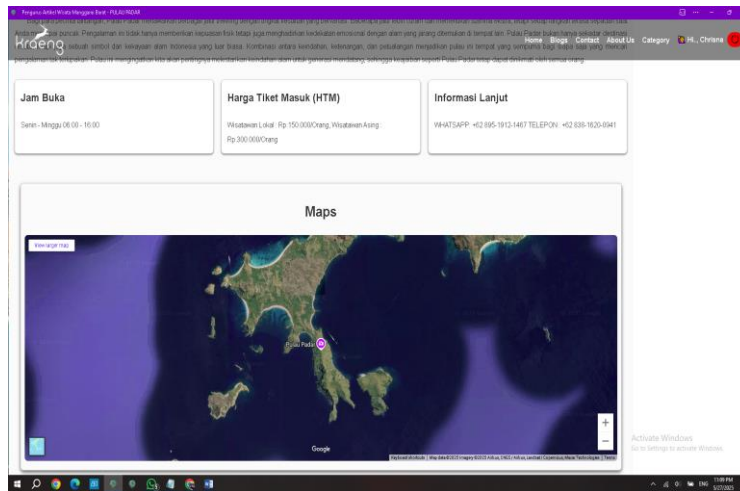


9. Tampilan Halaman Home User

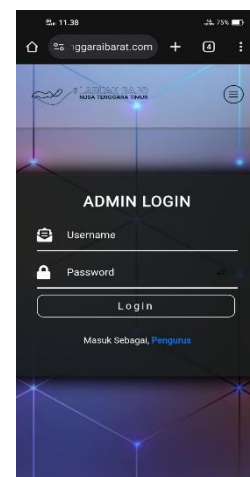
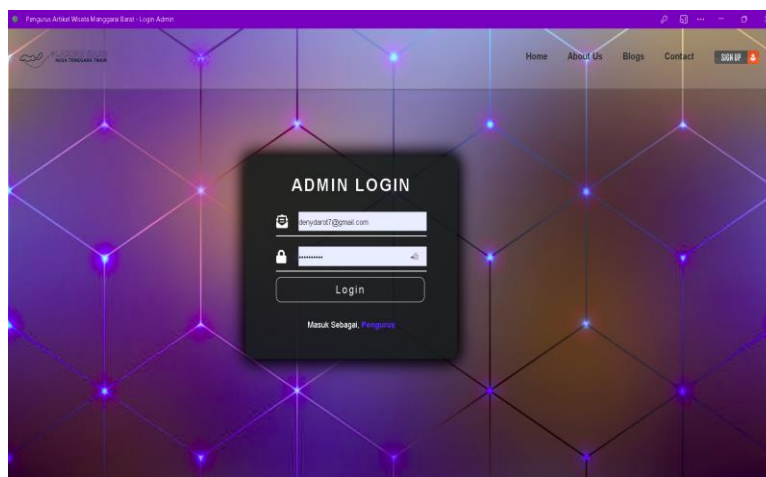


10. Tampilan Detail Isi Artikel Pada Halaman Pengguna





11. Tampilan Halaman Login Admin



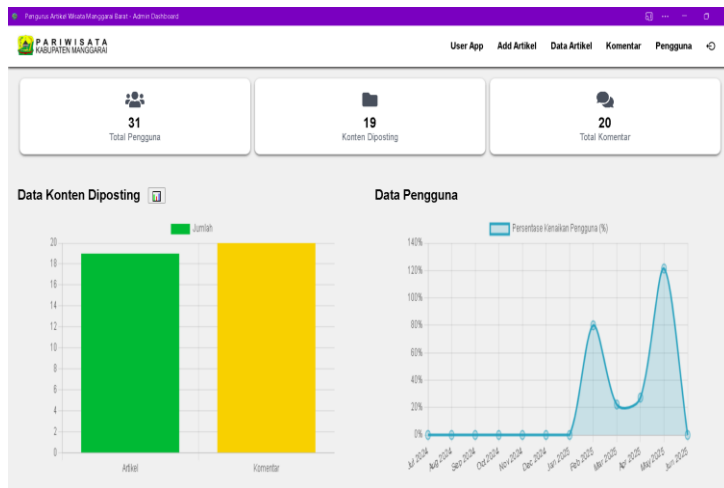
12. Tampilan Tambah Pengurus Pada Halaman Admin

ID	Nama	Email	Tanggal Dibuat	Tanggal Update	Aksi
1	Hanah khasanah	hanahkhasanaharch@gmail.com	2025-01-14 12:50:02	2025-01-16 08:14:13	Edit Hapus
2	Joe Batista	joebatista21@gmail.com	2025-01-15 10:51:27	2025-01-16 08:14:13	Edit Hapus
3	Christina	mickeymo709@gmail.com	2025-01-16 06:01:52	2025-03-11 14:56:42	Edit Hapus
5	Chiko	chico2000@gmail.com	2025-01-17 01:14:21	2025-03-11 02:03:51	Edit Hapus
9	Deny Yohanes Christostomus Darot	denystarot@gmail.com	2025-05-23 23:07:18	2025-05-23 23:07:18	Edit Hapus

13. Tampilan Tambah Data Artikel Pada Halaman Admin

14. Tampilan Halaman Login Pengurus

15. Tampilan Halaman Utama Pengurus



16. Tampilan Ubah Data Artikel Pada Halaman Pengurus

17. Tampilan Balas Komentar Pada Halaman Pengurus

ID	Nama	Komentar	Artikel	Tanggal	Balasan	Aksi
25	Genter	Mantap, jadi favorit...	PULAU PADAR	2025-05-11 14:28:33	Belum ada balasan	Balas Hapus
21	Chrisna	Terbaik...	PULAU PADAR	2025-05-11 23:29:56	Belum ada balasan	Balas Hapus

ID	Nama	Komentar	Artikel	Tanggal	Balasan	Aksi
25	Genter	Mantap, jadi favorit...	PULAU PADAR	2025-05-11 14:28:33	Belum ada balasan	Balas Hapus
21	Chrisna	Terbaik...	PULAU PADAR	2025-05-11 23:29:56	Belum ada balasan	Balas Hapus

18. Tampilan Halaman Offline

