

LAMPIRAN

Lampiran 1 Source Code untuk Pengaturan Dasar menggunakan Framework CodeIgniter

3. File Auth.php

```
<?php

namespace App\Controllers;

use App\Models\User;
use CodeIgniter\Controller;

class Auth extends Controller
{
    public function login()
    {
        return view('auth/login');
    }

    public function loginProcess()
    {
        $session = session();
        $userModel = new User();

        $email = $this->request->getPost('email');
        $password = $this->request->getPost('password');

        $user = $userModel->where('email', $email)->first();

        if ($user && password_verify($password, $user['password']))
        {
            $sessionData = [
                'id' => $user['id'],
                'email' => $user['email'],
                'isLoggedIn' => true,
            ];
            $session->set($sessionData);
            return redirect()->to('/');
        } else {
            session()->setFlashdata('pesan', 'Email atau Password Salah');
            return redirect()->to('/Home/loginForm');
        }
    }

    public function register()
    {
        return view('auth/register');
    }
}
```

```

public function registerProcess()
{
    $userModel = new User();

    $data = [
        'email' => $this->request->getPost('email'),
        'password' => password_hash($this->request->getPost('password'), PASSWORD_DEFAULT),
    ];

    $userModel->insert($data);
    return redirect()->to('/Home/loginForm')->with('success',
'Registration successful. Please login.');
```

```

    }

    public function logout()
    {
        session()->destroy();
        return redirect()->to('/');
    }
}

```

4. File .env

```

#-----
#-----
# Example Environment Configuration file
#
# This file can be used as a starting point for your own
# custom .env files, and contains most of the possible settings
# available in a default install.
#
# By default, all of the settings are commented out. If you want
# to override the setting, you must un-comment it by removing the
# '#'
# at the beginning of the line.
#-----
#-----

#-----
#-----
# ENVIRONMENT
#-----
#-----

CI_ENVIRONMENT = development

#-----
#-----
# APP

```

```

#-----
----

# app.baseURL = ''
# If you have trouble with `.` , you could also use ` _ ` .
# app_baseURL = ''
# app.forceGlobalSecureRequests = false
# app.CSPEnabled = false

#-----
----
# DATABASE
#-----
----

database.default.hostname = localhost
database.default.database = webgis-serang
database.default.username = root
database.default.password =
database.default.DBDriver = MySQLi
database.default.DBPrefix =
database.default.port = 3306

# If you use MySQLi as tests, first update the values of
Config\Database::$tests.
# database.tests.hostname = localhost
# database.tests.database = ci4_test
# database.tests.username = root
# database.tests.password = root
# database.tests.DBDriver = MySQLi
# database.tests.DBPrefix =
# database.tests.charset = utf8mb4
# database.tests.DBCollat = utf8mb4_general_ci
# database.tests.port = 3306

#-----
----
# ENCRYPTION
#-----
----

# encryption.key =

#-----
----
# SESSION
#-----
----

# session.driver = 'CodeIgniter\Session\Handlers\FileHandler'

```

```
# session.savePath = null
```

```
#-----  
-----  
# LOGGER  
#-----  
-----
```

```
# logger.threshold = 4
```

5. *File App.php*

```
<?php
```

```
namespace Config;
```

```
use CodeIgniter\Config\BaseConfig;
```

```
class App extends BaseConfig
```

```
{
```

```
    /**
```

```
    * -----
```

```
-----
```

```
    * Base Site URL
```

```
    * -----
```

```
-----
```

```
    *
```

```
    * URL to your CodeIgniter root. Typically, this will be your  
base URL,
```

```
    * WITH a trailing slash:
```

```
    *
```

```
    * E.g., http://example.com/
```

```
    */
```

```
        public string $baseURL = 'http://localhost/webgis-  
serang/public/';
```

```
    /**
```

```
    * Allowed Hostnames in the Site URL other than the hostname  
in the baseURL.
```

```
    * If you want to accept multiple Hostnames, set this.
```

```
    *
```

```
    * E.g.,
```

```
    * When your site URL ($baseURL) is 'http://example.com/', and  
your site
```

```
        * also accepts 'http://media.example.com/' and
```

```
'http://accounts.example.com/':
```

```
        * ['media.example.com', 'accounts.example.com']
```

```
    *
```

```
    * @var list<string>
```

```
    */
```

```

public array $allowedHostnames = [];

/**
 * -----
 * Index File
 * -----
 *
 * Typically, this will be your `index.php` file, unless you've
renamed it to
 * something else. If you have configured your web server to
remove this file
 * from your site URIs, set this variable to an empty string.
 */
public string $indexPath = 'index.php';

/**
 * -----
 * URI PROTOCOL
 * -----
 *
 * This item determines which server global should be used to
retrieve the
 * URI string. The default setting of 'REQUEST_URI' works for
most servers.
 * If your links do not seem to work, try one of the other
delicious flavors:
 *
 * 'REQUEST_URI': Uses $_SERVER['REQUEST_URI']
 * 'QUERY_STRING': Uses $_SERVER['QUERY_STRING']
 * 'PATH_INFO': Uses $_SERVER['PATH_INFO']
 *
 * WARNING: If you set this to 'PATH_INFO', URIs will always
be URL-decoded!
 */
public string $uriProtocol = 'REQUEST_URI';

/**
 |-----
 | Allowed URL Characters
 |-----
 |
 | This lets you specify which characters are permitted within
your URLs.

```

```

    | When someone tries to submit a URL with disallowed characters
they will
    | get a warning message.
    |
    | As a security measure you are STRONGLY encouraged to restrict
URLs to
    | as few characters as possible.
    |
    | By default, only these are allowed: `a-z 0-9~%.:_-`
    |
    | Set an empty string to allow all characters -- but only if
you are insane.
    |
    | The configured value is actually a regular expression
character group
    | and it will be used as: '/\A[<permittedURChars>]+\z/iu'
    |
    | DO NOT CHANGE THIS UNLESS YOU FULLY UNDERSTAND THE
REPERCUSSIONS!!
    |
    */
    public string $permittedURChars = 'a-z 0-9~%.:_-';

    /**
    * -----
    * Default Locale
    * -----
    *
    * The Locale roughly represents the language and location
that your visitor
    * is viewing the site from. It affects the language strings
and other
    * strings (like currency markers, numbers, etc), that your
program
    * should run under for this request.
    */
    public string $defaultLocale = 'en';

    /**
    * -----
    * Negotiate Locale
    * -----
    *
    * If true, the current Request object will automatically
determine the

```

```

        * language to use based on the value of the Accept-Language
header.
        *
        * If false, no automatic detection will be performed.
        */
public bool $negotiateLocale = false;

/**
 * -----
 * Supported Locales
 * -----
 *
 * If $negotiateLocale is true, this array lists the locales
supported
 * by the application in descending order of priority. If no
match is
 * found, the first locale will be used.
 *
 * IncomingRequest::setLocale() also uses this list.
 *
 * @var list<string>
 */
public array $supportedLocales = ['en'];

/**
 * -----
 * Application Timezone
 * -----
 *
 * The default timezone that will be used in your application
to display
 * dates with the date helper, and can be retrieved through
app_timezone()
 *
 * @see https://www.php.net/manual/en/timezones.php for list
of timezones
 * supported by PHP.
 */
public string $appTimezone = 'UTC';

/**
 * -----
 * Default Character Set
 * -----

```

```

*
* This determines which character set is used by default in
various methods
* that require a character set to be provided.
*
* @see http://php.net/htmlspecialchars for a list of supported
charsets.
*/
public string $charset = 'UTF-8';

/**
* -----
* Force Global Secure Requests
* -----
*
* If true, this will force every request made to this
application to be
* made via a secure connection (HTTPS). If the incoming
request is not
* secure, the user will be redirected to a secure version of
the page
* and the HTTP Strict Transport Security (HSTS) header will
be set.
*/
public bool $forceGlobalSecureRequests = false;

/**
* -----
* Reverse Proxy IPs
* -----
*
* If your server is behind a reverse proxy, you must whitelist
the proxy
* IP addresses from which CodeIgniter should trust headers
such as
* X-Forwarded-For or Client-IP in order to properly identify
* the visitor's IP address.
*
* You need to set a proxy IP address or IP address with
subnets and
* the HTTP header for the client IP address.
*
* Here are some examples:
* [
*     '10.0.1.200'      => 'X-Forwarded-For',
*     '192.168.5.0/24' => 'X-Real-IP',

```



```

        public string $filePath = APPPATH . 'Database' .
DIRECTORY_SEPARATOR;

    /**
     * Lets you choose which connection group to use if no other
     is specified.
     */
    public string $defaultGroup = 'default';

    /**
     * The default database connection.
     *
     * @var array<string, mixed>
     */
    public array $default = [
        'DSN'          => '',
        'hostname'     => 'localhost',
        'username'     => 'root',
        'password'     => '',
        'database'     => 'webgis-serang',
        'DBDriver'     => 'MySQLi',
        'DBPrefix'     => '',
        'pConnect'     => false,
        'DBDebug'      => true,
        'charset'      => 'utf8mb4',
        'DBCollat'     => 'utf8mb4_general_ci',
        'swapPre'      => '',
        'encrypt'      => false,
        'compress'     => false,
        'strictOn'     => false,
        'failover'     => [],
        'port'         => 3306,
        'numberNative' => false,
        'dateFormat'   => [
            'date'      => 'Y-m-d',
            'datetime'  => 'Y-m-d H:i:s',
            'time'      => 'H:i:s',
        ],
    ],
];

    /**
     * Sample database connection for SQLite3.
     *
     * @var array<string, mixed>
     */
    public array $default = [
        'database'     => 'database.db',
        'DBDriver'     => 'SQLite3',
        'DBPrefix'     => '',
        'DBDebug'      => true,

```

```

//      'swapPre'      => '',
//      'failover'     => [],
//      'foreignKeys' => true,
//      'busyTimeout' => 1000,
//      'dateFormat'  => [
//          'date'      => 'Y-m-d',
//          'datetime' => 'Y-m-d H:i:s',
//          'time'      => 'H:i:s',
//      ],
//  ];

//  /**
//   * Sample database connection for Postgre.
//   *
//   * @var array<string, mixed>
//   */
//  public array $default = [
//      'DSN'          => '',
//      'hostname'     => 'localhost',
//      'username'     => 'root',
//      'password'     => 'root',
//      'database'     => 'ci4',
//      'schema'       => 'public',
//      'DBDriver'     => 'Postgre',
//      'DBPrefix'     => '',
//      'pConnect'     => false,
//      'DBDebug'      => true,
//      'charset'      => 'utf8',
//      'swapPre'      => '',
//      'failover'     => [],
//      'port'         => 5432,
//      'dateFormat'  => [
//          'date'      => 'Y-m-d',
//          'datetime' => 'Y-m-d H:i:s',
//          'time'      => 'H:i:s',
//      ],
//  ];

//  /**
//   * Sample database connection for SQLSRV.
//   *
//   * @var array<string, mixed>
//   */
//  public array $default = [
//      'DSN'          => '',
//      'hostname'     => 'localhost',
//      'username'     => 'root',
//      'password'     => 'root',
//      'database'     => 'ci4',
//      'schema'       => 'dbo',

```

```

//      'DBDriver'    => 'SQLSRV',
//      'DBPrefix'    => '',
//      'pConnect'    => false,
//      'DBDebug'     => true,
//      'charset'     => 'utf8',
//      'swapPre'     => '',
//      'encrypt'     => false,
//      'failover'    => [],
//      'port'        => 1433,
//      'dateFormat' => [
//          'date'      => 'Y-m-d',
//          'datetime' => 'Y-m-d H:i:s',
//          'time'      => 'H:i:s',
//      ],
//  ];

//  /**
//   * Sample database connection for OCI8.
//   *
//   * You may need the following environment variables:
//   *   NLS_LANG           = 'AMERICAN_AMERICA.UTF8'
//   *   NLS_DATE_FORMAT   = 'YYYY-MM-DD HH24:MI:SS'
//   *   NLS_TIMESTAMP_FORMAT = 'YYYY-MM-DD HH24:MI:SS'
//   *   NLS_TIMESTAMP_TZ_FORMAT = 'YYYY-MM-DD HH24:MI:SS'
//   *
//   * @var array<string, mixed>
//   */
//  public array $default = [
//      'DSN'          => 'localhost:1521/XEPDB1',
//      'username'     => 'root',
//      'password'     => 'root',
//      'DBDriver'     => 'OCI8',
//      'DBPrefix'     => '',
//      'pConnect'     => false,
//      'DBDebug'      => true,
//      'charset'      => 'AL32UTF8',
//      'swapPre'      => '',
//      'failover'     => [],
//      'dateFormat'  => [
//          'date'      => 'Y-m-d',
//          'datetime' => 'Y-m-d H:i:s',
//          'time'      => 'H:i:s',
//      ],
//  ],
//  ];

/**
 * This database connection is used when running PHPUnit
 * database tests.
 *
 * @var array<string, mixed>

```

```

        */
        public array $tests = [
            'DSN'          => '',
            'hostname'     => '127.0.0.1',
            'username'     => '',
            'password'     => '',
            'database'     => ':memory:',
            'DBDriver'     => 'SQLite3',
            'DBPrefix'     => 'db_', // Needed to ensure we're
working correctly with prefixes live. DO NOT REMOVE FOR CI DEVS
            'pConnect'     => false,
            'DBDebug'      => true,
            'charset'      => 'utf8',
            'DBCollat'     => '',
            'swapPre'      => '',
            'encrypt'      => false,
            'compress'     => false,
            'strictOn'     => false,
            'failover'     => [],
            'port'         => 3306,
            'foreignKeys'  => true,
            'busyTimeout'  => 1000,
            'dateFormat'   => [
                'date'      => 'Y-m-d',
                'datetime' => 'Y-m-d H:i:s',
                'time'      => 'H:i:s',
            ],
        ],
    ];

    public function __construct()
    {
        parent::__construct();

        // Ensure that we always set the database group to
'tests' if
        // we are currently running an automated test suite, so
that
        // we don't overwrite live data on accident.
        if (ENVIRONMENT === 'testing') {
            $this->defaultGroup = 'tests';
        }
    }
}

```

7. *File Routes.php*

```

<?php

use CodeIgniter\Router\RouteCollection;

```

```

/**
 * @var RouteCollection $routes
 */
// $routes->get('/', 'Home::index');

//for auth middleware / filter
// $routes->get('/', 'Home::index', ['filter' => 'auth']);

$routes->group('', ['filter' => 'auth'], function ($routes) {
    $routes->get('/', 'Home::index');
    $routes->get('/Home/apill_perencanaan',
'Home::apill_perencanaan');
    $routes->get('/Home/apill_eksisting',
'Home::apill_eksisting');
    $routes->get('/Home/apill_perencanaan',
'Home::apill_perencanaan');
    $routes->get('/Home/apill_perbaikan',
'Home::apill_perbaikan');
    $routes->get('/Home/pju_eksisting', 'Home::pju_eksisting');
    $routes->get('/Home/pju_perencanaan',
'Home::pju_perencanaan');
    $routes->get('/Home/pju_perbaikan', 'Home::pju_perbaikan');
    $routes->get('/Home/marka_eksisting',
'Home::marka_eksisting');
    $routes->get('/Home/marka_perencanaan',
'Home::marka_perencanaan');
    $routes->get('/Home/marka_perbaikan',
'Home::marka_perbaikan');
    $routes->get('/Home/rambu_eksisting',
'Home::rambu_eksisting');
    $routes->get('/Home/rambu_perencanaan',
'Home::rambu_perencanaan');
    $routes->get('/Home/rambu_perbaikan',
'Home::rambu_perbaikan');
    $routes->get('/Home/pengaman_eksisting',
'Home::pengaman_eksisting');
    $routes->get('/Home/pengaman_perencanaan',
'Home::pengaman_perencanaan');
    $routes->get('/Home/pengaman_perbaikan',
'Home::pengaman_perbaikan');
    $routes->get('/Home/pengendali_eksisting',
'Home::pengendali_eksisting');
    $routes->get('/Home/pengendali_perencanaan',
'Home::pengendali_perencanaan');
    $routes->get('/Home/pengendali_perbaikan',
'Home::pengendali_perbaikan');
    $routes->get('/Home/apill_eksisting_user',
'Home::apill_eksisting_user');
    $routes->get('/Home/apill_perencanaan_user',
'Home::apill_perencanaan_user');

```

```

        $routes->get('/Home/apill_perbaikan_user',
        'Home::apill_perbaikan_user');
        $routes->get('/Home/pju_eksisting_user',
        'Home::pju_eksisting_user');
        $routes->get('/Home/pju_perencanaan_user',
        'Home::pju_perencanaan_user');
        $routes->get('/Home/pju_perbaikan_user',
        'Home::pju_perbaikan_user');
        $routes->get('/Home/marka_eksisting_user',
        'Home::marka_eksisting_user');
        $routes->get('/Home/marka_perencanaan_user',
        'Home::marka_perencanaan_user');
        $routes->get('/Home/marka_perbaikan_user',
        'Home::marka_perbaikan_user');
        $routes->get('/Home/rambu_eksisting_user',
        'Home::rambu_eksisting_user');
        $routes->get('/Home/rambu_perencanaan_user',
        'Home::rambu_perencanaan_user');
        $routes->get('/Home/rambu_perbaikan_user',
        'Home::rambu_perbaikan_user');
        $routes->get('/Home/pengaman_eksisting_user',
        'Home::pengaman_eksisting_user');
        $routes->get('/Home/pengaman_perencanaan_user',
        'Home::pengaman_perencanaan_user');
        $routes->get('/Home/pengaman_perbaikan_user',
        'Home::pengaman_perbaikan_user');
        $routes->get('/Home/pengendali_eksisting_user',
        'Home::pengendali_eksisting_user');
        $routes->get('/Home/pengendali_perencanaan_user',
        'Home::pengendali_perencanaan_user');
        $routes->get('/Home/pengendali_perbaikan_user',
        'Home::pengendali_perbaikan_user');
        $routes->get('/Home/getcoordinat', 'Home::getcoordinat');
        $routes->get('/Home/dashboard', 'Home::dashboard');

    });

```

8. File CreateUsersTable.php

```

<?php

namespace App\Database\Migrations;

use CodeIgniter\Database\Migration;

class CreateUsersTable extends Migration
{
    public function up()
    {
        $this->forge->addField([

```

```

        'id' => [
            'type'          => 'INT',
            'constraint'    => 11,
            'unsigned'      => true,
            'auto_increment' => true,
        ],
        'email' => [
            'type'          => 'VARCHAR',
            'constraint'    => 255,
            'unique'        => true,
        ],
        'password' => [
            'type'          => 'VARCHAR',
            'constraint'    => 255,
        ],
        'created_at' => [
            'type'          => 'DATETIME',
            'null'          => true,
        ],
        'updated_at' => [
            'type'          => 'DATETIME',
            'null'          => true,
        ],
    ],
]);

$this->forge->addKey('id', true);
$this->forge->createTable('users');
}

public function down()
{
    $this->forge->dropTable('users');
}
}

```

9. File perlengkapanJalan.php

```

<?php

namespace App\Models;

use CodeIgniter\Model;

class perlengkapanJalan extends Model
{
    protected $table = 'tb_perlengkapan_jln';
    protected $primaryKey = 'id_perlengkapan_jln';

    protected $allowedFields = [

```

```

        'nama_perlengkapan',
        'jenis_perlengkapan',
        'lokasi_jalan',
        'latitude',
        'longitude',
        'terakhir_diupdate',
        'diupdate_oleh',
        'keterangan',
        'foto_perlengkapan',
        'kondisi'
    ];
    public function insertData($data)
    {
        $this->db->table('tb_perlengkapan_jln')->insert($data);
    }

    public function getCoordinates($category, $type)
    {
        $data = $this->db->table('tb_perlengkapan_jln')
        ->select('*')
        ->where('jenis_perlengkapan', $category)
        ->where('kondisi', $type)
        ->get()
        ->getResultArray();

        return $data;
    }
}

```

10. File User.php

```

<?php

namespace App\Models;

use CodeIgniter\Model;

class User extends Model
{
    protected $table = 'users';
    protected $primaryKey = 'id';
    protected $allowedFields = ['email', 'password'];
}

```

11. File DataPerlengkapan.php

```

<?php

namespace App\Controllers;

use App\Models\perlengkapanJalan;

```

```

class DataPerlengkapan extends BaseController
{
    public function __construct()
    {
        $this->perlengkapanJalan = new perlengkapanJalan();
    }

    public function index(): string
    {
        $data = [
            'judul' => 'Data Perlengkapan',
            'page' => 'perlengkapan/v_data_perlengkapan',
        ];

        $data['perlengkapan'] = $this->perlengkapanJalan->findAll();

        return view('v_template_user', $data);
    }

    public function inputPerlengkapan(): string
    {
        $data = [
            'judul' => 'Input Perlengkapan',
            'page' => 'perlengkapan/v_input_perlengkapan',
        ];
        return view('v_template_user', $data);
    }

    public function insertData()
    {
        if (
            $this->validate([
                'nama_perlengkapan' => [
                    'label' => 'Nama Perlengkapan',
                    'rules' => 'required',
                    'errors' => [
                        'required' => '{field} Tidak Boleh Kosong!'
                    ]
                ],
                'jenis_perlengkapan' => [
                    'label' => 'Jenis Perlengkapan',
                    'rules' => 'required',
                    'errors' => [
                        'required' => '{field} Tidak Boleh Kosong!'
                    ]
                ]
            ),
        )
    }
}

```

```

'lokasi_jalan' => [
    'label' => 'Lokasi Ruas Jalan',
    'rules' => 'required',
    'errors' => [
        'required' => '{field} Tidak Boleh Kosong!'
    ]
],
'latitude' => [
    'label' => 'Latitude',
    'rules' => 'required',
    'errors' => [
        'required' => '{field} Tidak Boleh Kosong!'
    ]
],
'longitude' => [
    'label' => 'Longitude',
    'rules' => 'required',
    'errors' => [
        'required' => '{field} Tidak Boleh Kosong!'
    ]
],
'terakhir_diupdate' => [
    'label' => 'Terakhir diupdate',
    'rules' => 'required',
    'errors' => [
        'required' => '{field} Tidak Boleh Kosong!'
    ]
],
'diupdate_oleh' => [
    'label' => 'Diupdate Oleh',
    'rules' => 'required',
    'errors' => [
        'required' => '{field} Tidak Boleh Kosong!'
    ]
],
'keterangan' => [
    'label' => 'Keterangan',
    'rules' => 'required',
    'errors' => [
        'required' => '{field} Tidak Boleh Kosong!'
    ]
],
'foto_perlengkapan' => [
    'label' => 'Foto Perlengkapan',
    'rules' =>
'uploaded[foto_perlengkapan]|max_size[foto_perlengkapan,1024]|mime_i
n[foto_perlengkapan,image/jpg,image/jpeg,image/png]',
    'errors' => [
        'uploaded' => '{field} Tidak Boleh Kosong!',

```

```

        'max_size' => 'Ukuran {field} Maksimal 1024
KB!',
        'mime_in' => 'Format {field} Harus jpg,
jpeg, dan png!',
    ]
    ])
    ) {
        $foto_perlengkapan = $this->request-
>getFile('foto_perlengkapan');
        $nama_file_foto = $foto_perlengkapan->getRandomName();

        $data = [
            'nama_perlengkapan' => $this->request-
>getPost('nama_perlengkapan'),
            'jenis_perlengkapan' => $this->request-
>getPost('jenis_perlengkapan'),
            'lokasi_jalan' => $this->request-
>getPost('lokasi_jalan'),
            'latitude' => $this->request->getPost('latitude'),
            'longitude' => $this->request->getPost('longitude'),
            'terakhir_diupdate' => $this->request-
>getPost('terakhir_diupdate'),
            'diupdate_oleh' => $this->request-
>getPost('diupdate_oleh'),
            'keterangan' => $this->request-
>getPost('keterangan'),
            'foto_perlengkapan' => $nama_file_foto,
            'kondisi' => $this->request->getPost('kondisi'),
        ];
        $foto_perlengkapan->move(FCPATH . 'uploads',
$nama_file_foto);
        $this->perlengkapanJalan->insertData($data);
        session()->setFlashdata('pesan', 'Data berhasil di
Tambahkan!');
        return redirect()-
>to('DataPerlengkapan/inputPerlengkapan');
    } else {
        return redirect()-
>to('DataPerlengkapan/inputPerlengkapan')->withInput();
    }
}

public function editData($id)
{
    $data = [
        'judul' => 'Edit Perlengkapan',
        'page' => 'perlengkapan/v_edit_data_perlengkapan',
        'perlengkapan' => $this->perlengkapanJalan->find($id),
    ];

```

```

        return view('v_template_user', $data);
    }

    public function updateData($id)
    {
        if (
            $this->validate([
                'nama_perlengkapan' => 'required',
                'jenis_perlengkapan' => 'required',
                'lokasi_jalan' => 'required',
                'latitude' => 'required',
                'longitude' => 'required',
                'terakhir_diupdate' => 'required',
                'diupdate_oleh' => 'required',
                'keterangan' => 'required',
                'foto_perlengkapan' => [
                    'rules' =>
                        'max_size[foto_perlengkapan,1024]|mime_in[foto_perlengkapan,image/jp
                        g,image/jpeg,image/png]',
                    'errors' => [
                        'max_size' => 'Ukuran Foto Maksimal 1024
                        KB!',
                        'mime_in' => 'Format Foto Harus jpg, jpeg,
                        atau png!',
                    ]
                ]
            ])
        ) {
            $data = [
                'nama_perlengkapan' => $this->request-
                >getPost('nama_perlengkapan'),
                'jenis_perlengkapan' => $this->request-
                >getPost('jenis_perlengkapan'),
                'lokasi_jalan' => $this->request-
                >getPost('lokasi_jalan'),
                'latitude' => $this->request->getPost('latitude'),
                'longitude' => $this->request->getPost('longitude'),
                'terakhir_diupdate' => $this->request-
                >getPost('terakhir_diupdate'),
                'diupdate_oleh' => $this->request-
                >getPost('diupdate_oleh'),
                'keterangan' => $this->request-
                >getPost('keterangan'),
                'kondisi' => $this->request->getPost('kondisi'),
            ];

            // Handle foto baru (opsional)
            $foto = $this->request->getFile('foto_perlengkapan');
            if ($foto->isValid() && !$foto->hasMoved()) {

```

```

        $nama_file_foto = $foto->getRandomName();
        $foto->move(FCPATH . 'uploads', $nama_file_foto);

        // Hapus foto lama jika ada
        $perlengkapanLama = $this->perlengkapanJalan-
>find($id);
        if ($perlengkapanLama['foto_perlengkapan']) {
            @unlink(FCPATH . 'uploads/' .
$perlengkapanLama['foto_perlengkapan']);
        }

        $data['foto_perlengkapan'] = $nama_file_foto;
    }

    $this->perlengkapanJalan->update($id, $data);
    session()->setFlashdata('pesan', 'Data berhasil
diperbarui!');
    return redirect()->to('DataPerlengkapan');
} else {
    return redirect()-
>to('DataPerlengkapan/editPerlengkapan/' . $id)->withInput();
}
}

public function removeData($id)
{
    $perlengkapan = $this->perlengkapanJalan->find($id);

    if ($perlengkapan &&
!empty($perlengkapan['foto_perlengkapan'])) {
        @unlink(FCPATH . 'uploads/' .
$perlengkapan['foto_perlengkapan']);
    }

    $this->perlengkapanJalan->delete($id);

    session()->setFlashdata('pesan', 'Data berhasil dihapus!');
    return redirect()->to('DataPerlengkapan');
}
}

```

12. File Home.php

```

<?php

namespace App\Controllers;
use App\Models\perlengkapanJalan;

```

```

class Home extends BaseController
{
    public function __construct()
    {
        $this->perlengkapanJalan = new perlengkapanJalan();
        $this->categories = [
            'rambu' => "Rambu Jalan",
            'marka' => "Marka Jalan",
            'apill' => "APILL",
            'pju' => "PJU",
            'pengaman' => "Pengaman Jalan",
            'pengendali' => "Pengendali Pemakai Jalan"
        ];

        $this->conditions = [
            'good' => "Baik",
            'damaged' => "Rusak",
            'plan' => "Rencana"
        ];
    }

    public function index(): string
    {
        $data = [
            'judul' => 'Dashboard',
            'page' => 'v_dashboard',
        ];

        $data['result'] = $this->perlengkapanJalan
            ->select("CONCAT(jenis_perlengkapan, ' - ', kondisi) as
jenis_perlengkapan, COUNT(*) as total")
            ->groupBy('jenis_perlengkapan')
            ->groupBy('kondisi')
            ->findAll();

        return view('v_template_user', $data);
    }

    public function apill_eksisting(): string
    {
        $data = [
            'judul' => 'APILL Eksisting',
            'page' => 'v_apill_eksisting',
        ];
        return view('v_template_admin', $data);
    }

    public function apill_perencanaan(): string
    {

```

```

        $data = [
            'judul' => 'APILL Perencanaan',
            'page' => 'v_apill_perencanaan',
        ];
        return view('v_template_admin', $data);
    }

    public function apill_perbaikan(): string
    {
        $data = [
            'judul' => 'APILL Perbaikan',
            'page' => 'v_apill_perbaikan',
        ];
        return view('v_template_admin', $data);
    }

    public function pju_eksisting(): string
    {
        $data = [
            'judul' => 'PJU Eksisting',
            'page' => 'v_pju_eksisting',
        ];
        return view('v_template_admin', $data);
    }

    public function pju_perencanaan(): string
    {
        $data = [
            'judul' => 'PJU Perencanaan',
            'page' => 'v_pju_perencanaan',
        ];
        return view('v_template_admin', $data);
    }

    public function pju_perbaikan(): string
    {
        $data = [
            'judul' => 'PJU Perbaikan',
            'page' => 'v_pju_perbaikan',
        ];
        return view('v_template_admin', $data);
    }

    public function marka_eksisting(): string
    {
        $data = [
            'judul' => 'Marka Eksisting',
            'page' => 'v_marka_eksisting',
        ];
        return view('v_template_admin', $data);
    }

```

```

}

public function marka_perencanaan(): string
{
    $data = [
        'judul' => 'Marka Perencanaan',
        'page' => 'v_marka_perencanaan',
    ];
    return view('v_template_admin', $data);
}

public function marka_perbaikan(): string
{
    $data = [
        'judul' => 'Marka Perbaikan',
        'page' => 'v_marka_perbaikan',
    ];
    return view('v_template_admin', $data);
}

public function rambu_eksisting(): string
{
    $data = [
        'judul' => 'Rambu Eksisting',
        'page' => 'v_rambu_eksisting',
    ];

    return view('v_template_admin', $data);
}

public function rambu_perencanaan(): string
{
    $data = [
        'judul' => 'Rambu Perencanaan',
        'page' => 'v_rambu_perencanaan',
    ];
    return view('v_template_admin', $data);
}

public function rambu_perbaikan(): string
{
    $data = [
        'judul' => 'Rambu Perbaikan',
        'page' => 'v_rambu_perbaikan',
    ];
    return view('v_template_admin', $data);
}

public function pengaman_eksisting(): string
{

```

```

        $data = [
            'judul' => 'Alat Pengaman Eksisting',
            'page' => 'v_pengaman_eksisting',
        ];
        return view('v_template_admin', $data);
    }

    public function pengaman_perencanaan(): string
    {
        $data = [
            'judul' => 'Alat Pengaman Perencanaan',
            'page' => 'v_pengaman_perencanaan',
        ];
        return view('v_template_admin', $data);
    }

    public function pengaman_perbaikan(): string
    {
        $data = [
            'judul' => 'Alat Pengaman Perbaikan',
            'page' => 'v_pengaman_perbaikan',
        ];
        return view('v_template_admin', $data);
    }

    public function pengendali_eksisting(): string
    {
        $data = [
            'judul' => 'Alat Pengendali Eksisting',
            'page' => 'v_pengendali_eksisting',
        ];
        return view('v_template_admin', $data);
    }

    public function pengendali_perencanaan(): string
    {
        $data = [
            'judul' => 'Alat Pengendali Perencanaan',
            'page' => 'v_pengendali_perencanaan',
        ];
        return view('v_template_admin', $data);
    }

    public function pengendali_perbaikan(): string
    {
        $data = [
            'judul' => 'Alat Pengendali Perbaikan',
            'page' => 'v_pengendali_perbaikan',
        ];
    }

```

```

        return view('v_template_admin', $data);
    }

    public function apill_eksisting_user(): string
    {
        $data = [
            'judul' => 'APILL Eksisting',
            'page' => 'v_apill_eksisting',
        ];

        $data['coordinates'] = $this->perlengkapanJalan->getCoordinates($this->categories['apill'], $this->conditions['good']);

        return view('v_template_user', $data);
    }

    public function apill_perencanaan_user(): string
    {
        $data = [
            'judul' => 'APILL Perencanaan',
            'page' => 'v_apill_perencanaan',
        ];
        $data['coordinates'] = $this->perlengkapanJalan->getCoordinates($this->categories['apill'], $this->conditions['plan']);

        return view('v_template_user', $data);
    }

    public function apill_perbaikan_user(): string
    {
        $data = [
            'judul' => 'APILL Perbaikan',
            'page' => 'v_apill_perbaikan',
        ];

        $data['coordinates'] = $this->perlengkapanJalan->getCoordinates($this->categories['apill'], $this->conditions['damaged']);

        return view('v_template_user', $data);
    }

    public function pju_eksisting_user(): string
    {
        $data = [
            'judul' => 'PJU Eksisting',
            'page' => 'v_pju_eksisting',
        ];

```

```

        $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['pju'], $this-
>conditions['good']);

        return view('v_template_user', $data);
    }

    public function pju_perencanaan_user(): string
    {
        $data = [
            'judul' => 'PJU Perencanaan',
            'page' => 'v_pju_perencanaan',
        ];
        $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['pju'], $this-
>conditions['plan']);
        return view('v_template_user', $data);
    }

    public function pju_perbaikan_user(): string
    {
        $data = [
            'judul' => 'PJU Perbaikan',
            'page' => 'v_pju_perbaikan',
        ];
        $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['pju'], $this-
>conditions['damaged']);

        return view('v_template_user', $data);
    }

    public function marka_eksisting_user(): string
    {
        $data = [
            'judul' => 'Marka Eksisting',
            'page' => 'v_marka_eksisting',
        ];

        $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['marka'], $this-
>conditions['good']);

        return view('v_template_user', $data);
    }

    public function marka_perencanaan_user(): string
    {
        $data = [

```

```

        'judul' => 'Marka Perencanaan',
        'page' => 'v_marka_perencanaan',
    ];
    $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['marka'], $this-
>conditions['plan']);
    return view('v_template_user', $data);
}

public function marka_perbaikan_user(): string
{
    $data = [
        'judul' => 'Marka Perbaikan',
        'page' => 'v_marka_perbaikan',
    ];
    $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['marka'], $this-
>conditions['damaged']);

    return view('v_template_user', $data);
}

public function rambu_eksisting_user(): string
{
    $data = [
        'judul' => 'Rambu Eksisting',
        'page' => 'v_rambu_eksisting',
    ];

    $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['rambu'], $this-
>conditions['good']);

    return view('v_template_user', $data);
}

public function rambu_perencanaan_user(): string
{
    $data = [
        'judul' => 'Rambu Perencanaan',
        'page' => 'v_rambu_perencanaan',
    ];

    $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['rambu'], $this-
>conditions['plan']);
    return view('v_template_user', $data);
}

public function rambu_perbaikan_user(): string

```

```

{
    $data = [
        'judul' => 'Rambu Perbaikan',
        'page' => 'v_rambu_perbaikan',
    ];
    $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['rambu'], $this-
>conditions['damaged']);

    return view('v_template_user', $data);
}

public function pengaman_eksisting_user(): string
{
    $data = [
        'judul' => 'Alat Pengaman Eksisting',
        'page' => 'v_pengaman_eksisting',
    ];

    $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['pengaman'], $this-
>conditions['good']);

    return view('v_template_user', $data);
}

public function pengaman_perencanaan_user(): string
{
    $data = [
        'judul' => 'Alat Pengaman Perencanaan',
        'page' => 'v_pengaman_perencanaan',
    ];

    $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['pengaman'], $this-
>conditions['plan']);
    return view('v_template_user', $data);
}

public function pengaman_perbaikan_user(): string
{
    $data = [
        'judul' => 'Alat Pengaman Perbaikan',
        'page' => 'v_pengaman_perbaikan',
    ];
    $data['coordinates'] = $this->perlengkapanJalan-
>getCoordinates($this->categories['pengaman'], $this-
>conditions['damaged']);

    return view('v_template_user', $data);
}

```

```

    }

    public function pengendali_eksisting_user(): string
    {
        $data = [
            'judul' => 'Alat Pengendali Eksisting',
            'page' => 'v_pengendali_eksisting',
        ];

        $data['coordinates'] = $this->perlengkapanJalan->getCoordinates($this->categories['pengendali'], $this->conditions['good']);

        return view('v_template_user', $data);
    }

    public function pengendali_perencanaan_user(): string
    {
        $data = [
            'judul' => 'Alat Pengendali Perencanaan',
            'page' => 'v_pengendali_perencanaan',
        ];

        $data['coordinates'] = $this->perlengkapanJalan->getCoordinates($this->categories['pengendali'], $this->conditions['plan']);
        return view('v_template_user', $data);
    }

    public function pengendali_perbaikan_user(): string
    {
        $data = [
            'judul' => 'Alat Pengendali Perbaikan',
            'page' => 'v_pengendali_perbaikan',
        ];
        $data['coordinates'] = $this->perlengkapanJalan->getCoordinates($this->categories['pengendali'], $this->conditions['damaged']);

        return view('v_template_user', $data);
    }

    public function getcoordinat(): string
    {
        $data = [
            'judul' => 'Get Coordinat',
            'page' => 'v_get_coordinat',
        ];
        return view('v_template', $data);
    }

```

```

public function loginForm(): string
{
    helper('form');
    $data = [
        'judul' => 'Login Form',
        'page' => 'v_login_form',
    ];
    return view('v_login', $data);
}

public function registerForm(): string
{
    helper('form');
    $data = [
        'judul' => 'Register Form',
        'page' => 'v_register_form',
    ];
    return view('v_register', $data);
}

public function dashboard(): string
{
    $data = [
        'judul' => 'Dashboard',
        'page' => 'v_dashboard',
    ];
    $data['result'] = [];
    return view('v_template_admin', $data);
}
}

```

13. *File* BaseController.php

```

<?php

namespace App\Controllers;

use CodeIgniter\Controller;
use CodeIgniter\HTTP\CLIRequest;
use CodeIgniter\HTTP\IncomingRequest;
use CodeIgniter\HTTP\RequestInterface;
use CodeIgniter\HTTP\ResponseInterface;
use Psr\Log\LoggerInterface;

/**
 * Class BaseController
 *
 */

```

```

* BaseController provides a convenient place for loading components
* and performing functions that are needed by all your controllers.
* Extend this class in any new controllers:
*     class Home extends BaseController
*
* For security be sure to declare any new methods as protected or
private.
*/
abstract class BaseController extends Controller
{
    /**
     * Instance of the main Request object.
     *
     * @var CLIRequest|IncomingRequest
     */
    protected $request;

    /**
     * An array of helpers to be loaded automatically upon
     * class instantiation. These helpers will be available
     * to all other controllers that extend BaseController.
     *
     * @var list<string>
     */
    protected $helpers = ['form'];

    /**
     * Be sure to declare properties for any property fetch you
initialized.
     * The creation of dynamic property is deprecated in PHP 8.2.
     */
    // protected $session;

    /**
     * @return void
     */
    public function initController(RequestInterface $request,
ResponseInterface $response, LoggerInterface $logger)
    {
        // Do Not Edit This Line
        parent::initController($request, $response, $logger);

        // Preload any models, libraries, etc, here.

        // E.g.: $this->session = service('session');
    }
}

```


Lampiran 2 Source Code *untuk* User Interface Admin

1. File v_login.php

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
    <meta name="description" content="">
    <meta name="author" content="">

    <title>WebSIG - Login</title>

    <!-- Custom fonts for this template -->
    <link href="<?= base_url('sb-admin') ?>/vendor/fontawesome-
free/css/all.min.css" rel="stylesheet" type="text/css">
    <link
        href="https://fonts.googleapis.com/css?family=Nunito:200,20
0i,300,300i,400,400i,600,600i,700,700i,800,800i,900,900i"
        rel="stylesheet">

    <!-- Custom styles for this template -->
    <link href="<?= base_url('sb-admin') ?>/css/sb-admin-2.min.css"
rel="stylesheet">
</head>

<body class="bg-gradient-primary">
    <div class="container">
        <!-- Outer Row -->
        <div class="row justify-content-center">
            <div class="col-xl-10 col-lg-12 col-md-9">
                <div class="card o-hidden border-0 shadow-lg my-5">
                    <div class="card-body p-0">
                        <!-- Nested Row within Card Body -->
                        <div class="row">
                            <div class="col-lg-6 d-none d-lg-block
bg-login-image"></div>
                            <div class="col-lg-6">
                                <div class="p-5">
                                    <div class="text-center">
                                        <h1 class="h4 text-gray-900
mb-4">Selamat Datang!</h1>
                                    </div>
                                    <?php
                                        if (session()-
>getFlashdata('pesan')) {
```

```

        alert-danger">';
    >getFlashdata('pesan');

        echo '<div class="alert
        echo session()-
        echo '</div>';
    }
    ?>

    <?=
form_open('auth/loginProcess', ['class' => 'user']) ?>
    <?= csrf_field() ?>
    <div class="form-group">
        <input type="email"
class="form-control form-control-user" name="email"
        id="email"
placeholder="Enter Email..." required>
    </div>
    <div class="form-group">
        <input type="password"
class="form-control form-control-user" name="password"
        id="password"
placeholder="Password" required>
    </div>
    <div class="form-group">
        <div class="custom-control
custom-checkbox small">
            <input type="checkbox"
class="custom-control-input" id="customCheck">
            <label class="custom-
control-label" for="customCheck">Remember Me</label>
        </div>
    </div>
    <button type="submit"
class="btn btn-primary btn-user btn-block">
        Login
    </button>
    <?= form_close() ?>
    <hr>
    <p>Tidak punya akun?</p>
    <a href="<?=
base_url('Home/registerForm') ?>"
        class="btn btn-secondary
btn-user btn-block">
        Register
    </a>
    </div>
</div>
</div>
</div>
</div>

```

```

        </div>
    </div>
</div>

<!-- Bootstrap core JavaScript -->
<script src="<?= base_url('sb-admin')
?>/vendor/jquery/jquery.min.js"></script>
<script src="<?= base_url('sb-admin')
?>/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>

<!-- Core plugin JavaScript -->
<script src="<?= base_url('sb-admin') ?>/vendor/jquery-
easing/jquery.easing.min.js"></script>

<!-- Custom scripts for all pages -->
<script src="<?= base_url('sb-admin') ?>/js/sb-admin-
2.min.js"></script>
</body>

</html>

```

2. *File* index_admin.php

```

<!DOCTYPE html>
<html lang="en">

<head>

    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">
    <meta name="description" content="">
    <meta name="author" content="">

    <title>WebSIG Kabupaten Serang</title>

    <!-- Custom fonts for this template-->
    <link href="<?= base_url('sb-admin') ?>/vendor/fontawesome-
free/css/all.min.css" rel="stylesheet" type="text/css">
    <link
        href="https://fonts.googleapis.com/css?family=Nunito:20
0,200i,300,300i,400,400i,600,600i,700,700i,800,800i,900,900i"
        rel="stylesheet">

    <!-- Custom styles for this template-->
    <link href="<?= base_url('sb-admin') ?>/css/sb-admin-
2.min.css" rel="stylesheet">

```

```

        <link rel="stylesheet"
href="https://unpkg.com/leaflet@1.9.4/dist/leaflet.css"
        integrity="sha256-
p4NxAoJBhIIN+hmNHzRCf9tD/miZyoHS5obTRR9BMY=" crossorigin="" />
        <script
src="https://unpkg.com/leaflet@1.9.4/dist/leaflet.js"
        integrity="sha256-
20nQCchB9co0qIjJZRGuk2/Z9VM+kNiyxNV1lvTlZBo="
crossorigin=""></script>
        <!-- DataTables CSS -->
        <link rel="stylesheet"
href="https://cdn.datatables.net/1.11.5/css/jquery.dataTables.m
in.css">

        <!-- jQuery & DataTables JS -->
        <script src="https://code.jquery.com/jquery-
3.6.0.min.js"></script>
        <script
src="https://cdn.datatables.net/1.11.5/js/jquery.dataTables.min
.js"></script>

</head>

<body id="page-top">

        <!-- Page Wrapper -->
        <div id="wrapper">

                <!-- Sidebar -->
                <ul class="navbar-nav bg-gradient-primary sidebar
sidebar-dark accordion" id="accordionSidebar">

                        <!-- Sidebar - Brand -->
                        <a class="sidebar-brand d-flex align-items-center
justify-content-center" href="{%= base_url('Home') %}">
                                
                                <div class="sidebar-brand-text mx-3">Dinas
Perhubungan </div>
                        </a>

                        <!-- Divider -->
                        <hr class="sidebar-divider my-0">

                        <!-- Nav Item - Dashboard -->
                        <li class="nav-item">
                                <a class="nav-link" href="{%= base_url('Home')
%}">

```

```

        <i class="fas fa-fw fa-tachometer-alt"></i>
        <span>Dashboard</span></a>
    </li>

    <?php if (session()->get('isLoggedIn')): ?>
        <hr class="sidebar-divider">

        <!-- Divider -->
        <div class="sidebar-heading">
            Kelola Data Perlengkapan Jalan
        </div>

        <!-- Nav Item - Pages Collapse Menu -->
        <li class="nav-item">
            <a class="nav-link collapsed" href="#"
data-toggle="collapse" data-target="#collapseData"
            aria-expanded="true" aria-
controls="collapseData">

                <span>Perlengkapan Jalan</span>
            </a>
            <div id="collapseData" class="collapse"
aria-labelledby="headingData"
                data-parent="#accordionSidebar">
                <div class="bg-white py-2 collapse-
inner rounded">
                    <a class="collapse-item text-wrap"
href="<?= base_url('DataPerlengkapan/index') ?>">Data
                        Perlengkapan Jalan</a>

                    <a class="collapse-item text-wrap"
                        href="<?=
base_url('DataPerlengkapan/inputPerlengkapan') ?>">Tambah Data
                        Perlengkapan
                            Jalan</a>
                </div>
            </div>
        </li>
    <?php endif; ?>

    <hr class="sidebar-divider">

    <!-- Heading -->
    <div class="sidebar-heading">
        Perlengkapan Jalan
    </div>

    <!-- Nav Item - Pages Collapse Menu -->

```

```

        <li class="nav-item">
            <a class="nav-link collapsed" href="#" data-
toggle="collapse" data-target="#collapseApill"
            aria-expanded="true" aria-
controls="collapseApill">

                <span>APILL</span>

            </a>
            <div id="collapseApill" class="collapse" aria-
labelledby="headingApill"
                data-parent="#accordionSidebar">
                <div class="bg-white py-2 collapse-inner
rounded">

                    <a class="collapse-item" href="{%=
base_url('Home/apill_eksisting_user') ?>">Eksisting</a>
                    <a class="collapse-item" href="{%=
base_url('Home/apill_perbaikan_user') ?>">Perbaikan</a>
                    <a class="collapse-item" href="{%=
base_url('Home/apill_perencanaan_user') ?>">Rencana</a>
                </div>
            </div>
        </li>

        <!-- Nav Item - Utilities Collapse Menu -->
        <li class="nav-item">
            <a class="nav-link collapsed" href="#" data-
toggle="collapse" data-target="#collapsePju"
            aria-expanded="true" aria-
controls="collapsePju">

                <span>PJU</span>

            </a>
            <div id="collapsePju" class="collapse" aria-
labelledby="headingPju"
                data-parent="#accordionSidebar">
                <div class="bg-white py-2 collapse-inner
rounded">

                    <a class="collapse-item" href="{%=
base_url('Home/pju_eksisting_user') ?>">Eksisting</a>
                    <a class="collapse-item" href="{%=
base_url('Home/pju_perbaikan_user') ?>">Perbaikan</a>
                    <a class="collapse-item" href="{%=
base_url('Home/pju_perencanaan_user') ?>">Rencana</a>

                </div>
            </div>
        </li>

        <li class="nav-item">

```

```

        <a class="nav-link collapsed" href="#" data-
toggle="collapse" data-target="#collapseMarka"
        aria-expanded="true" aria-
controls="collapseMarka">

            <span>Marka Jalan</span>
        </a>
        <div id="collapseMarka" class="collapse" aria-
labelledby="headingMarka"
            data-parent="#accordionSidebar">
            <div class="bg-white py-2 collapse-inner
rounded">

                <a class="collapse-item" href="{%=
base_url('Home/marka_eksisting_user') %}">Eksisting</a>
                <a class="collapse-item" href="{%=
base_url('Home/marka_perbaikan_user') %}">Perbaikan</a>
                <a class="collapse-item" href="{%=
base_url('Home/marka_perencanaan_user') %}">Rencana</a>

            </div>
        </div>
    </li>

    <li class="nav-item">
        <a class="nav-link collapsed" href="#" data-
toggle="collapse" data-target="#collapseRambu"
        aria-expanded="true" aria-
controls="collapseRambu">

            <span>Rambu Jalan</span>
        </a>
        <div id="collapseRambu" class="collapse" aria-
labelledby="headingRambu"
            data-parent="#accordionSidebar">
            <div class="bg-white py-2 collapse-inner
rounded">

                <a class="collapse-item" href="{%=
base_url('Home/rambu_eksisting_user') %}">Eksisting</a>
                <a class="collapse-item" href="{%=
base_url('Home/rambu_perbaikan_user') %}">Perbaikan</a>
                <a class="collapse-item" href="{%=
base_url('Home/rambu_perencanaan_user') %}">Rencana</a>

            </div>
        </div>
    </li>

    <li class="nav-item">
        <a class="nav-link collapsed" href="#" data-
toggle="collapse" data-target="#collapsePengaman"

```

```

        aria-expanded="true" aria-
controls="collapsePengaman">

        <span>Pengaman jalan</span>
    </a>
    <div id="collapsePengaman" class="collapse"
aria-labelledby="headingPengaman"
    data-parent="#accordionSidebar">
        <div class="bg-white py-2 collapse-inner
rounded">
            <a class="collapse-item" href="{%=
base_url('Home/pengaman_eksisting_user') %}">Eksisting</a>
            <a class="collapse-item" href="{%=
base_url('Home/pengaman_perbaikan_user') %}">Perbaikan</a>
            <a class="collapse-item" href="{%=
base_url('Home/pengaman_perencanaan_user') %}">Rencana</a>
        </div>
    </div>
</li>

<li class="nav-item">
    <a class="nav-link collapsed" href="#" data-
toggle="collapse" data-target="#collapsePengendali"
    aria-expanded="true" aria-
controls="collapsePengendali">

        <span>Pengendali Pemakai Jalan</span>
    </a>
    <div id="collapsePengendali" class="collapse"
aria-labelledby="headingPengendali"
    data-parent="#accordionSidebar">
        <div class="bg-white py-2 collapse-inner
rounded">
            <a class="collapse-item" href="{%=
base_url('Home/pengendali_eksisting_user') %}">Eksisting</a>
            <a class="collapse-item" href="{%=
base_url('Home/pengendali_perbaikan_user') %}">Perbaikan</a>
            <a class="collapse-item" href="{%=
base_url('Home/pengendali_perencanaan_user') %}">Rencana</a>
        </div>
    </div>
</li>

<!-- Divider -->
<hr class="sidebar-divider d-none d-md-block">

<!-- Sidebar Toggler (Sidebar) -->

```

```

        <div class="text-center d-none d-md-inline">
            <button class="rounded-circle border-0"
id="sidebarToggle"></button>
        </div>

    </ul>
    <!-- End of Sidebar -->

    <!-- Content Wrapper -->
    <div id="content-wrapper" class="d-flex flex-column">

        <!-- Main Content -->
        <div id="content">

            <!-- Topbar -->
            <nav class="navbar navbar-expand navbar-light
bg-white topbar mb-4 static-top shadow">

                <!-- Sidebar Toggle (Topbar) -->
                <button id="sidebarToggleTop" class="btn
btn-link d-md-none rounded-circle mr-3">
                    <i class="fa fa-bars"></i>
                </button>

                <div class="topbar-text">SISTEM INFORMASI
GEOGRAFIS PERLENGKAPAN JALAN KABUPATEN SERANG</div>

                <div class="topbar-divider d-none d-sm-
block"></div>

                <div class="nav_account btn_demo3">
                    <a href="tel:(0254) 280529"
                        class="btn btn_sm_primary border-0
sweep_letter sweep_top bg-blue-dishub c-white rounded-pill">
                        <div class="inside_item">
                            <span data-hover="Call us
👉">(0254) 280529</span>
                        </div>
                    </a>
                </div>

                <!-- Topbar Navbar -->
                <ul class="navbar-nav ml-auto">
                    <div class="nav_account btn_demo3">
                        <?php if (session()-
>get('isLoggedIn')): ?>
                            <a href="<?=
base_url('Auth/logout') ?>"
                                class="btn btn-danger
border-0 sweep_letter sweep_top bg-red c-white rounded-pill">

```

```

                                <div class="inside_item">
                                    <span data-
hover="Goodbye 🖱️">Logout</span>
                                </div>
                                </a>
                                <?php else: ?>
                                <a href="<?=
base_url('Home/loginForm') ?>"
                                class="btn btn-primary
border-0 sweep_letter sweep_top bg-blue-dishub c-white rounded-
pill">
                                <div class="inside_item">
                                    <span data-hover="Call
us 🖱️">Login</span>
                                </div>
                                </a>
                                <?php endif; ?>
                            </div>

```

```

                        </ul>

                    </nav>
                    <!-- End of Topbar -->

                    <!-- Begin Page Content -->
                    <div class="container-fluid">

                        <!-- Page Heading -->

                        <?php if ($page) {
                            echo view($page);
                        } ?>

                    </div>
                    <!-- /.container-fluid -->

                </div>
                <!-- End of Main Content -->

                <!-- Footer -->
                <footer class="sticky-footer bg-white">
                    <div class="col-12 text-center padding-t-4">
                        <div class="copyright">
                            <span>
                                Copyright &copy;
                                <script>

```

```

                                document.write(new
Date().getFullYear());

                                </script>
                                - Dinas Perhubungan - Kabupaten
Serang. All rights
                                reserved.
                                </span>
                                </div>
                                </div>
                                </div>
                                </footer>
                                <!-- End of Footer -->

                                </div>
                                <!-- End of Content Wrapper -->

                                </div>
                                <!-- End of Page Wrapper -->

                                <!-- Scroll to Top Button-->
                                <a class="scroll-to-top rounded" href="#page-top">
                                    <i class="fas fa-angle-up"></i>
                                </a>

                                <!-- Bootstrap core JavaScript-->
                                <script src="<?= base_url('sb-admin')
?>/vendor/jquery/jquery.min.js"></script>
                                <script src="<?= base_url('sb-admin')
?>/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>

                                <!-- Core plugin JavaScript-->
                                <script src="<?= base_url('sb-admin') ?>/vendor/jquery-
easing/jquery.easing.min.js"></script>

                                <!-- Custom scripts for all pages-->
                                <script src="<?= base_url('sb-admin') ?>/js/sb-admin-
2.min.js"></script>

                                </script>
                                </body>

                                </html>

```

3. *File* v_dashboard.php

```

<!-- Page Heading -->
<h1 class="h3 mb-2 text-gray-800">Selamat datang!</h1>
<p class="mb-4">Sistem Informasi Geografis berbasis web ini
dirancang untuk menginventarisasi perlengkapan jalan di
Kabupaten serang.

```

Untuk mengakses informasi lebih lanjut, silahkan mengunjungi website utama kami [Dishub Kabupaten Serang](https://dishub.serangkab.go.id).

```
<div class="my-5">
  <div class="row mb-3">
    <?php foreach ($result as $item): ?>
      <div class="col-md-4 mt-3">
        <div class="shadow-sm p-3 bg-white rounded">
          <h5 class="fw-semibold text-center"><?=
esc($item['jenis_perlengkapan']) ?></h5>
          <p class="mb-0 text-center"><?=
esc($item['total']) ?></p>
        </div>
      </div>
    <?php endforeach; ?>
  </div>
</div>
<hr>

<div class="item_about">
  <a class="logo" href="#_">
    
  </a>

  <p>
    Jl. Raya Jkt Km 4, Panancangan, Kec. Cipocok Jaya, Kota
    Serang, Banten 42124
  </p>

  <div class="address">
    <span>Dinas Perhubungan</span>
    <br>
    <span>Email : <a href="#_">dishub@serangkab.go.id</a>
  </span>
  </div>
</div>
```

4. File v_apill_eksisting_admin.php

```
<!-- Page Heading -->
<h1 class="h3 mb-2 text-gray-800">Selamat datang!</h1>
<p class="mb-4">Sistem Informasi Geografis berbasis web ini
dirancang untuk menginventarisasi perlengkapan jalan di Kabupaten
serang.
```

Untuk mengakses informasi lebih lanjut, silahkan mengunjungi website utama kami [Dishub Kabupaten Serang](https://dishub.serangkab.go.id).

```
<div class="my-5">
  <div class="row mb-3">
    <?php foreach ($result as $item): ?>
      <div class="col-md-4 mt-3">
        <div class="shadow-sm p-3 bg-white rounded">
          <h5 class="fw-semibold text-center"><?=
esc($item['jenis_perlengkapan']) ?></h5>
          <p class="mb-0 text-center"><?=
esc($item['total']) ?></p>
        </div>
      </div>
    <?php endforeach; ?>
  </div>
</div>
<hr>

<div class="item_about">
  <a class="logo" href="#_">
    
  </a>

  <p>
    Jl. Raya Jkt Km 4, Panancangan, Kec. Cipocok Jaya, Kota
    Serang, Banten 42124
  </p>

  <div class="address">
    <span>Dinas Perhubungan</span>
    <br>
    <span>Email : <a href="#_">dishub@serangkab.go.id</a>
  </span>
  </div>
</div>
```

5. File v_apill_perbaikan.php

```
<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
  const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
```

```

        attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?> json_encode($coordinates); ?>;

    coordinatesData.forEach(function (coordinates) {
        const marker = L.marker([coordinates.latitude,
coordinates.longitude])
            .addTo(map)
            .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
        bounds.extend(marker.getLatLng());
    });

    if (coordinatesData.length > 0) {
        map.fitBounds(bounds, { padding: [20, 20] });
    }

```

```
</script>
```

6. File v_apill_rencana.php

```
<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
    contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
    Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
    (<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
    SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?=json_encode($coordinates); ?>;

    coordinatesData.forEach(function (coordinates) {
        const marker = L.marker([coordinates.latitude,
coordinates.longitude])
            .addTo(map)
            .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
```

```

    ${coordinates.keterangan}<br>`;
        bounds.extend(marker.getLatLng());
    });

    if (coordinatesData.length > 0) {
        map.fitBounds(bounds, { padding: [20, 20] });
    }

</script>

```

7. File v_marka_eksisting.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <? json_encode($coordinates); ?>;

```

```

        coordinatesData.forEach(function (coordinates) {
            const marker = L.marker([coordinates.latitude,
coordinates.longitude])
                .addTo(map)
                .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
            bounds.extend(marker.getLatLng());
        });

        if (coordinatesData.length > 0) {
            map.fitBounds(bounds, { padding: [20, 20] });
        }
    }
</script>

```

8. File v_marka_perbaikan.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

```

```

    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?=json_encode($coordinates); ?>;

    coordinatesData.forEach(function (coordinates) {
        const marker = L.marker([coordinates.latitude,
coordinates.longitude])
            .addTo(map)
            .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
        bounds.extend(marker.getLatLng());
    });

    if (coordinatesData.length > 0) {
        map.fitBounds(bounds, { padding: [20, 20] });
    }

</script>

```

9. File v_marka_rencana.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a>
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |

```

```

Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-SA</a>)'
});

const bounds = L.latLngBounds([]);
const map = L.map('map', {
  center: [-6.0928869, 106.2070087],
  zoom: 13,
  layers: [osm, openTopoMap]
});

const baseLayers = {
  'Default': osm,
  'Topografi': openTopoMap
};

const layerControl = L.control.layers(baseLayers).addTo(map);

const coordinatesData = <?=json_encode($coordinates); ?>;

coordinatesData.forEach(function (coordinates) {
  const marker = L.marker([coordinates.latitude,
coordinates.longitude])
    .addTo(map)
    .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
  bounds.extend(marker.getLatLng());
});

if (coordinatesData.length > 0) {
  map.fitBounds(bounds, { padding: [20, 20] });
}

</script>

```

10. File v_pengaman_eksisting.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
  const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,

```

```

        attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?> json_encode($coordinates); ?>;

    coordinatesData.forEach(function (coordinates) {
        const marker = L.marker([coordinates.latitude,
coordinates.longitude])
            .addTo(map)
            .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
        bounds.extend(marker.getLatLng());
    });

    if (coordinatesData.length > 0) {
        map.fitBounds(bounds, { padding: [20, 20] });
    }

```

```
</script>
```

11. File v_pengaman_perbaikan.php

```
<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?=json_encode($coordinates); ?>;

    coordinatesData.forEach(function (coordinates) {
        const marker = L.marker([coordinates.latitude,
coordinates.longitude])
            .addTo(map)
            .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
```

```

    ${coordinates.keterangan}<br>`;
        bounds.extend(marker.getLatLng());
    });

    if (coordinatesData.length > 0) {
        map.fitBounds(bounds, { padding: [20, 20] });
    }

</script>

```

12. File v_pengaman_rencana.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
    L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
    L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?php= json_encode($coordinates); ?>;

```

```

        coordinatesData.forEach(function (coordinates) {
            const marker = L.marker([coordinates.latitude,
coordinates.longitude])
                .addTo(map)
                .bindPopup(`${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
            bounds.extend(marker.getLatLng());
        });

        if (coordinatesData.length > 0) {
            map.fitBounds(bounds, { padding: [20, 20] });
        }
    }
</script>

```

13. File v_pengendali_eksisting.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

```

```

    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?=json_encode($coordinates); ?>;

    coordinatesData.forEach(function (coordinates) {
        const marker = L.marker([coordinates.latitude,
coordinates.longitude])
            .addTo(map)
            .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
        bounds.extend(marker.getLatLng());
    });

    if (coordinatesData.length > 0) {
        map.fitBounds(bounds, { padding: [20, 20] });
    }

</script>

```

14. File v_pengendali_perbaikan.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a>
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |

```

```

Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-SA</a>)'
});

const bounds = L.latLngBounds([]);
const map = L.map('map', {
  center: [-6.0928869, 106.2070087],
  zoom: 13,
  layers: [osm, openTopoMap]
});

const baseLayers = {
  'Default': osm,
  'Topografi': openTopoMap
};

const layerControl = L.control.layers(baseLayers).addTo(map);

const coordinatesData = <?=json_encode($coordinates); ?>;

coordinatesData.forEach(function (coordinates) {
  const marker = L.marker([coordinates.latitude,
coordinates.longitude])
    .addTo(map)
    .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
  bounds.extend(marker.getLatLng());
});

if (coordinatesData.length > 0) {
  map.fitBounds(bounds, { padding: [20, 20] });
}

</script>

```

15. File v_pengendali_rencana.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
  const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,

```

```

        attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?> json_encode($coordinates); ?>;

    coordinatesData.forEach(function (coordinates) {
        const marker = L.marker([coordinates.latitude,
coordinates.longitude])
            .addTo(map)
            .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
        bounds.extend(marker.getLatLng());
    });

    if (coordinatesData.length > 0) {
        map.fitBounds(bounds, { padding: [20, 20] });
    }

```

```
</script>
```

16. File v_pju_eksisting.php

```
<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?=json_encode($coordinates); ?>;

    coordinatesData.forEach(function (coordinates) {
        const marker = L.marker([coordinates.latitude,
coordinates.longitude])
            .addTo(map)
            .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
```

```

    ${coordinates.keterangan}<br>`;
        bounds.extend(marker.getLatLng());
    });

    if (coordinatesData.length > 0) {
        map.fitBounds(bounds, { padding: [20, 20] });
    }

</script>

```

17. File v_pju_perbaikan.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <? json_encode($coordinates); ?>;

```

```

        coordinatesData.forEach(function (coordinates) {
            const marker = L.marker([coordinates.latitude,
coordinates.longitude])
                .addTo(map)
                .bindPopup(`${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
            bounds.extend(marker.getLatLng());
        });

        if (coordinatesData.length > 0) {
            map.fitBounds(bounds, { padding: [20, 20] });
        }
    }
</script>

```

18. File v_pju_rencana.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

```

```

    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?=json_encode($coordinates); ?>;

    coordinatesData.forEach(function (coordinates) {
        const marker = L.marker([coordinates.latitude,
coordinates.longitude])
            .addTo(map)
            .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
        bounds.extend(marker.getLatLng());
    });

    if (coordinatesData.length > 0) {
        map.fitBounds(bounds, { padding: [20, 20] });
    }

</script>

```

19. File v_rambu_eksisting.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
        maxZoom: 19,
        attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a>
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |

```

```

Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-SA</a>)'
});

const bounds = L.latLngBounds([]);
const map = L.map('map', {
  center: [-6.0928869, 106.2070087],
  zoom: 13,
  layers: [osm, openTopoMap]
});

const baseLayers = {
  'Default': osm,
  'Topografi': openTopoMap
};

const layerControl = L.control.layers(baseLayers).addTo(map);

const coordinatesData = <?=json_encode($coordinates); ?>;

coordinatesData.forEach(function (coordinates) {
  const marker = L.marker([coordinates.latitude,
coordinates.longitude])
    .addTo(map)
    .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
  bounds.extend(marker.getLatLng());
});

if (coordinatesData.length > 0) {
  map.fitBounds(bounds, { padding: [20, 20] });
}

</script>

```

20. File v_rambu_perbaikan.php

```

<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
  const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,

```

```

        attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
(<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?> json_encode($coordinates); ?>;

    coordinatesData.forEach(function (coordinates) {
        const marker = L.marker([coordinates.latitude,
coordinates.longitude])
            .addTo(map)
            .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
${coordinates.keterangan}<br>`);
        bounds.extend(marker.getLatLng());
    });

    if (coordinatesData.length > 0) {
        map.fitBounds(bounds, { padding: [20, 20] });
    }

```

```
</script>
```

21. File v_rambu_rencana.php

```
<div id="map" style="width: 100%; height: 100vh;"></div>

<script>
    const osm =
L.tileLayer('https://tile.openstreetmap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: '&copy; <a
href="http://www.openstreetmap.org/copyright">OpenStreetMap</a>'
    });

    const openTopoMap =
L.tileLayer('https://{s}.tile.opentopomap.org/{z}/{x}/{y}.png', {
    maxZoom: 19,
    attribution: 'Map data: &copy; <a
href="https://www.openstreetmap.org/copyright">OpenStreetMap</a> |
    contributors, <a href="http://viewfinderpanoramas.org">SRTM</a> |
    Map style: &copy; <a href="https://opentopomap.org">OpenTopoMap</a>
    (<a href="https://creativecommons.org/licenses/by-sa/3.0/">CC-BY-
    SA</a>)'
    });

    const bounds = L.latLngBounds([]);
    const map = L.map('map', {
        center: [-6.0928869, 106.2070087],
        zoom: 13,
        layers: [osm, openTopoMap]
    });

    const baseLayers = {
        'Default': osm,
        'Topografi': openTopoMap
    };

    const layerControl = L.control.layers(baseLayers).addTo(map);

    const coordinatesData = <?> json_encode($coordinates); ?>;

    coordinatesData.forEach(function (coordinates) {
        const marker = L.marker([coordinates.latitude,
coordinates.longitude])
            .addTo(map)
            .bindPopup(`<b>${coordinates.nama_perlengkapan}</b><br>L
okasi: ${coordinates.lokasi_jalan}<br>Latitude:
${coordinates.latitude}<br>Longitude:
${coordinates.longitude}<br>Kondisi:
${coordinates.kondisi}<br>Keterangan:
```

```

    ${coordinates.keterangan}<br>`);  

    bounds.extend(marker.getLatLng());  

  });  
  

  if (coordinatesData.length > 0) {  
    map.fitBounds(bounds, { padding: [20, 20] });  
  }  
  

</script>

```