# [1]
# PIRANTI LUNAK

[1.1]
SOURCE CODE & COMPILE

[1.2]
DEVELOP USER INTERFACE

[1.3]
TESTING & DEBUGGING

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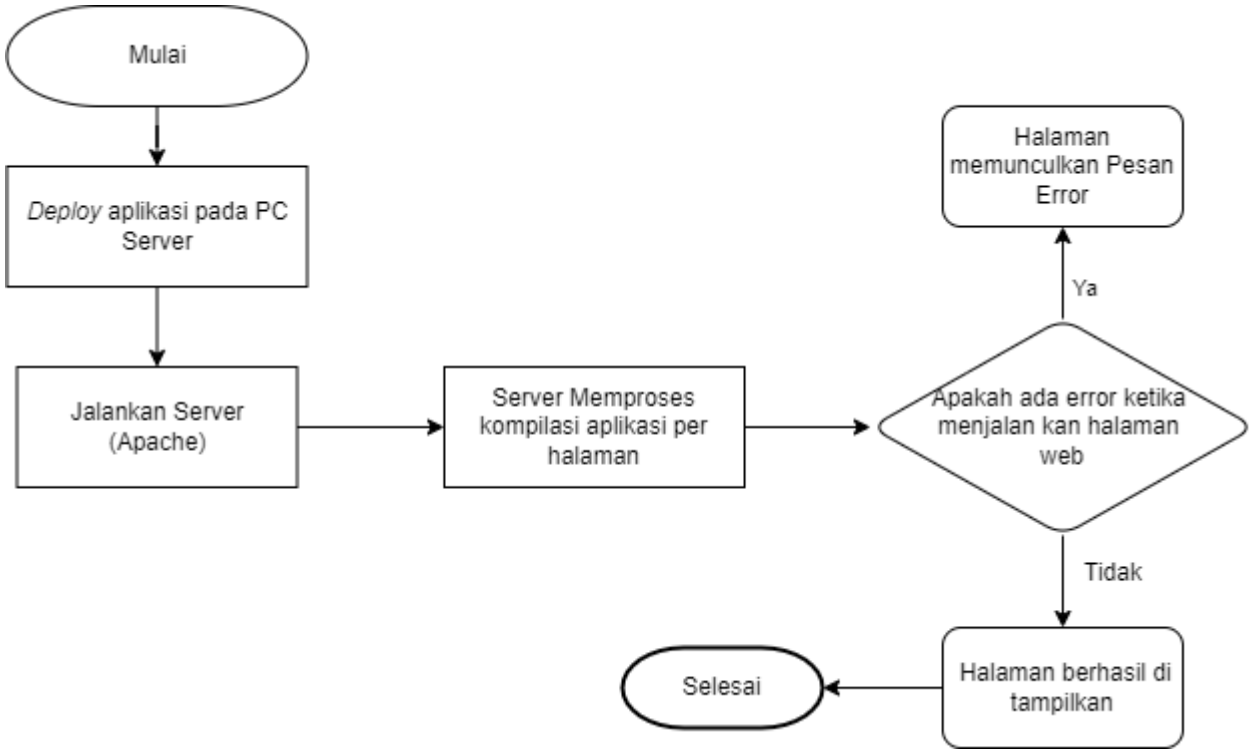
# [1.1] SOURCE CODE & COMPILE

## [1.1.1] DIAGRAM ALIR PROSES PENGISIAN PROGRAM

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# [1.1] SOURCE CODE & COMPILE
## [1.1.2] PROSES COMPILING PROGRAM

### 1. Login

```
    public function loginx() {
        header('Content-Type: application/json');

        $username = trim($this->input->post('username'));
        $password = trim($this->input->post('password'));

        if(empty($username)) {
            http_response_code(422);
            $msg = ['err_status' => 'error', 'message' => $this->lang-
>line('woow_login_empty_username')];
            echo json_encode($msg, JSON_HEX_APOS|JSON_HEX_QUOT|JSON_HEX_AMP|JSON_HEX_TAG);
            return;
        }
        if(empty($password)) {
            http_response_code(422);
            $msg = ['err_status' => 'error', 'message' => $this->lang-
>line('woow_login_empty_password')];
            echo json_encode($msg, JSON_HEX_APOS|JSON_HEX_QUOT|JSON_HEX_AMP|JSON_HEX_TAG);
            return;
        }

        $getUser = $this->db->get_where('users', ['username' => $username]);

        if($getUser->num_rows() == 0) {
            http_response_code(422);
            $msg = ['err_status' => 'error', 'message' => $this->lang-
>line('woow_login_username_mismatch')];
            echo json_encode($msg, JSON_HEX_APOS|JSON_HEX_QUOT|JSON_HEX_AMP|JSON_HEX_TAG);
            return;
        }

        $dt = $getUser->row();

        if(password_verify($password, $dt->password) == FALSE) {
            http_response_code(422);
            $msg = ['err_status' => 'error', 'message' => $this->lang-
>line('woow_login_password_mismatch')];
            echo json_encode($msg, JSON_HEX_APOS|JSON_HEX_QUOT|JSON_HEX_AMP|JSON_HEX_TAG);
            return;
        }

        $this->session->set_userdata(
            array(
                'status_login' => 'y',
                'userid' => $dt->userid,
                'username' => $dt->username,
                'userpic' => $dt->photo,
                'user_level' => $dt->user_level,
                'img_logo' => $getconf->img_logo,
                'img_login' => $getconf->img_login,
                'title' => $getconf->title,
```

```
                'style' => $getconf->style,
                'site_lang' => $getconf->language,
                // update naquib 26 maret 2021 -> tambah session user token (buat csrf dan api)
                'user_token' => (empty($dt->users_token)) ? md5(uniqid($dt->username, true)) :
$dt->users_token,
                // end update naquib 26 maret 2021
                'logged_in' => true
            )
        );

        http_response_code(200);
        $msg = ['err_status' => 'success', 'message' => 'Login Success',  'data' => $this-
>acl_menu->menu($dt->user_level)];
        echo json_encode($msg, JSON_HEX_APOS|JSON_HEX_AMP|JSON_HEX_TAG|JSON_HEX_QUOT);
        exit;
    }
```

Source code untuk melakukan fungsi login untuk user yang sudah memiliki akun

**2. Personil**

```
  function view()
    {
        $search = array();
        $filhostid = '';
        $columns = array(
            0 => 'host_id',
            1 => 'host_name',
            2 => 'host_nip',
            3 => 'host_no_kartu',
            4 => 'host_company_id',
            5 => 'host_dept_id',
            6 => 'host_gender'
        );

        //searching
        if (!empty($_POST['sNip'])) $search['nip'] = $_POST['sNip'];
        if (!empty($_POST['sName'])) $search['name'] = $_POST['sName'];
        if (!empty($_POST['sBadge'])) $search['badge'] = $_POST['sBadge'];
        if (!empty($_POST['sDept'])) $search['department_name'] = $_POST['sDept'];

        $limit = $this->input->post('length');
        $start = $this->input->post('start');
        $order = $columns[$this->input->post('order')[0]['column']];
        $dir = $this->input->post('order')[0]['dir'];

        $totalData = $this->model_setup->host_count($filhostid);
        $totalFiltered = $totalData;

        if(empty($search))
        {
            $posts = $this->model_setup->host_limit($filhostid,$limit,$start,$order,$dir);
        }
        else {
            $posts =  $this->model_setup->host_search($limit,$start,$search,$order,$dir);
            $totalFiltered = $this->model_setup->host_search_count($search);
        }
```

```
        $data = array();
        if (!empty($posts)) {
            foreach ($posts as $post) {

                $hostData['DT_RowId'] = $post->host_id;
                $hostData['personel_id'] = $post->host_id;
                $hostData['personel_nip'] = $post->host_nip;
                $hostData['personel_badge'] = $post->host_badge;
                $hostData['personel_name'] = $post->host_name;
                $hostData['personel_card'] = $post->host_no_kartu;
                $hostData['personel_company'] =  $this->model_common->getcompanyname($post-
>host_company_id);

                $hostData['personel_dept'] = $post->department_name;
                if($post->host_gender==1)
                    $hostData['personel_gender'] = $this->lang->line('woow_person_male');
                else
                    $hostData['personel_gender'] = $this->lang->line('woow_person_female');

                $data[] = $hostData;
            }
        }

        $json_data = array(
            "draw"            => intval($this->input->post('draw')),
            "recordsTotal"    => intval($totalData),
            "recordsFiltered" => intval($totalFiltered),
            "data"            => $data
        );

        echo json_encode($json_data);
    }
```

Source code untuk membaca data jamak personil.

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### 3. Halaman Operator Pos.

```
    public function index() {
        $data['page_js'] = [
            ['path' => 'assets/new/libs/inputmask/min/jquery.inputmask.bundle.min.js', 'defer'
=> true],
            ['path' => 'assets/new/libs/webrtc-streamer/libs/adapter.min.js', 'defer' => true],
            ['path' => 'assets/new/libs/webrtc-streamer/webrtcstreamer.js', 'defer' => true],
            ['path' => 'assets/new/libs/list.js/list.js', 'defer' => true],
            ['path' => 'assets/new/js/pages/_parking_index.js', 'defer' => true]
        ];
        $data['page_css'] = [
            'assets/new/css/parking.css'
        ];
        $this->load->view('parking/display/index', $data);
    }

    /**
     * Pengambilan data In dan Out hari ini untuk display
     *
     * @return void
     */
    public function getAllTransationToday() {
        $resp = $this->model_parkir->getInOutTrans();

        header('Content-Type: application/json');
        echo json_encode(['data' => $resp]);
    }
```

Source code untuk mengambil halaman operator dan membaca data transaksi hari ini.

### 4. Pengaturan Palang.

```
    public function getAll() {
        $draw   = $this->input->post('draw');
        $limit  = $this->input->post('length');
        $offset = $this->input->post('start');
        $filter = $this->input->post('columns');
        $datas  = $this->model_parkir->getAllGates($filter, $limit, $offset);

        $response = [
            'draw'  => $draw,
            'data'  => $datas,
            'recordsTotal' => $this->db->count_all_results('park_gate'),
            'recordsFiltered' => $this->model_parkir->countAllGates($filter)
        ];

        echo json_encode($response);
    }
```

Source code untuk mengambil data Palang.

**5. Laporan Transaksi**

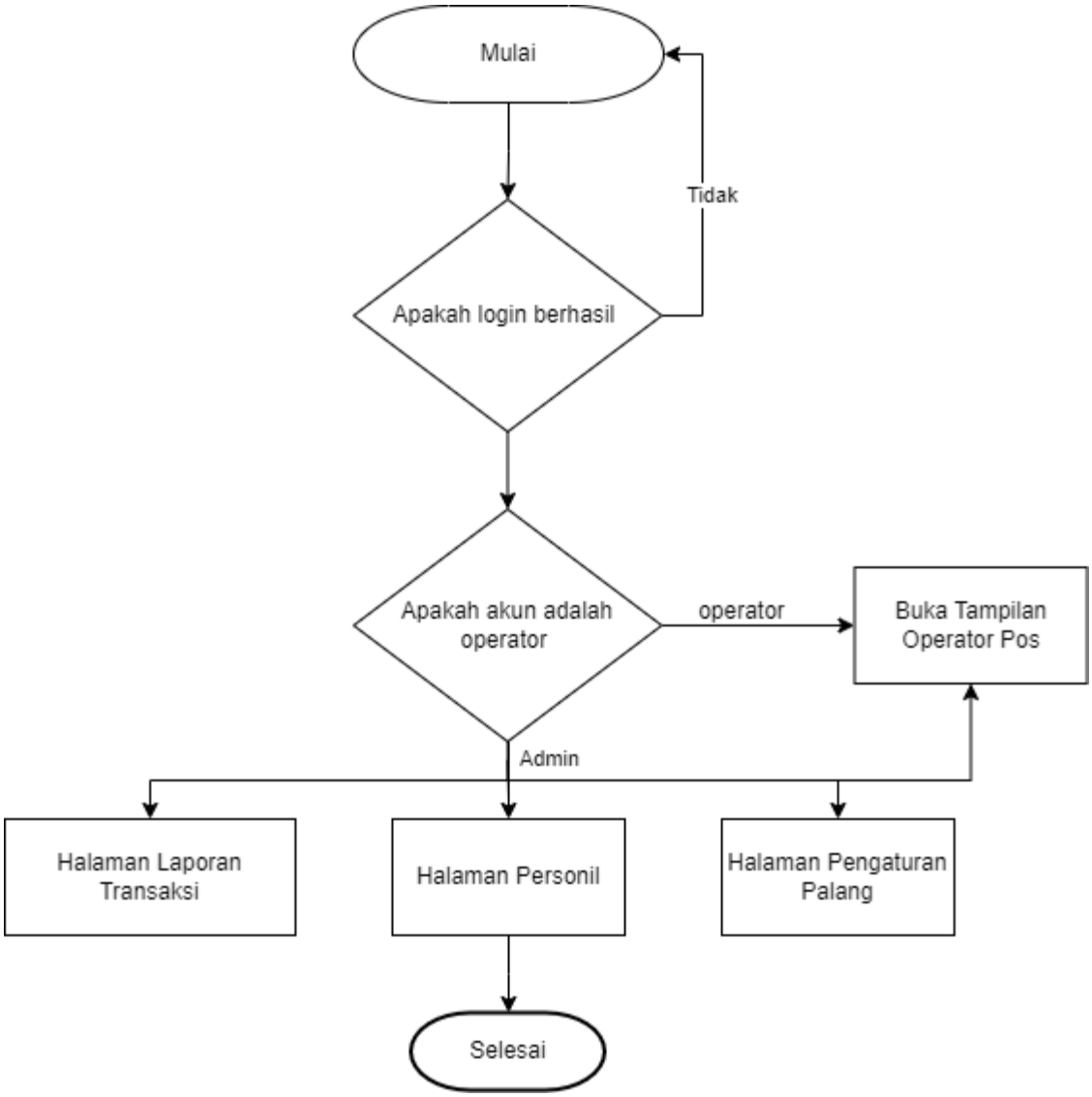
```php
public function vehicles_transaction()
{
    $data['page_js']        = [
        ['path' => 'assets/new/js/pages/_report_parking.js', 'defer' => true]
    ];
    $this->template->load('template', 'reports/vehicles/inout', $data);
}

public function getAllInOut() {
    $draw = $this->input->post('draw');
    $filter = $this->input->post('columns');
    $limit = $this->input->post('length');
    $offset = $this->input->post('start');

    $data = $this->model_parkir->getAllForReport($filter, $limit, $offset);

    $resp = [
        'draw'              => $draw,
        'data'              => $data,
        'recordsTotal'      => $this->db->count_all_results('park_trans_inout'),
        'recordsFiltered'   => $this->model_parkir->countAllForReport($filter)
    ];

    echo json_encode($resp);
}
```

Source code untuk menalpikan halaman transaksi dan pengambilan data transaksi.

| Disiapkan, | Diperiksa Oleh, |
|---|---|
| | |
| **Nauqib A** | **Nurhasmi** |
| **Staf Pengembangan Produk** | **Kepala Pengembangan Produk** |

# [1.2] DEVELOP USER INTERFACE

## [1.2.1] DIAGRAM ALIR ANTARMUKA

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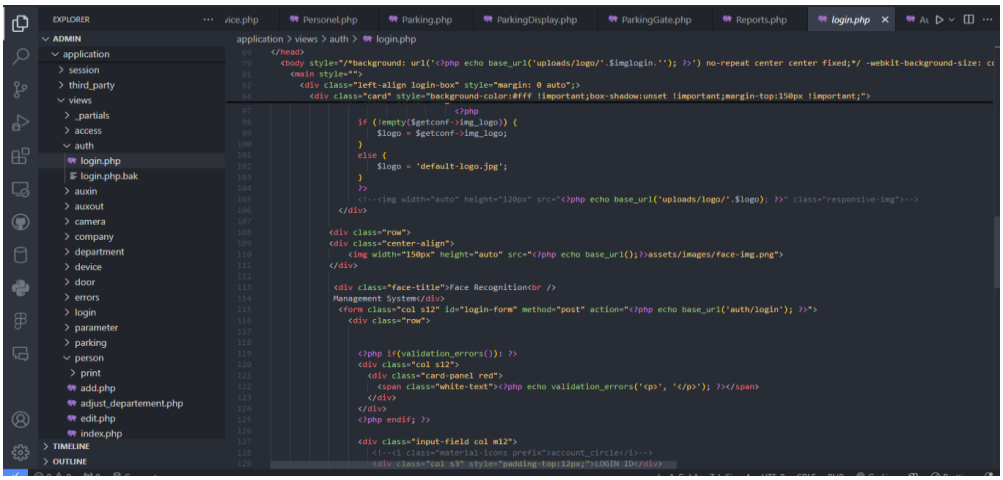
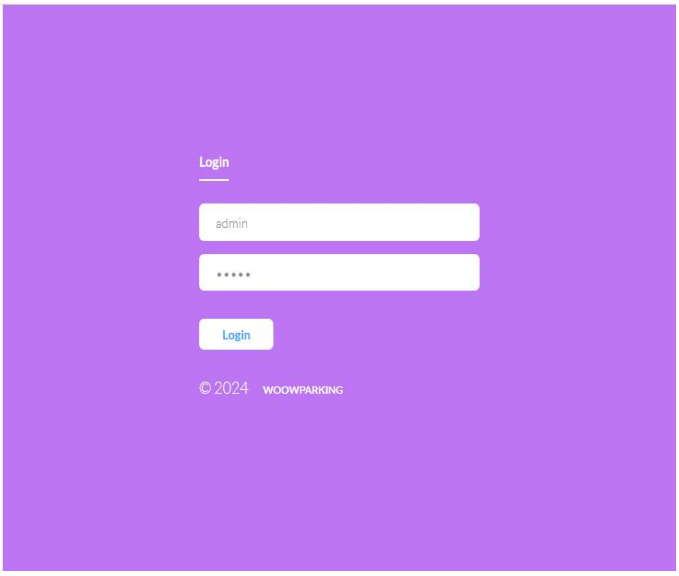
# [1.2] DEVELOP USER INTERFACE
## [1.2.2] TAMPILAN USER INTERFACE SOFTWARE

### 1. Halaman Login

Source Code



Tampilan UI

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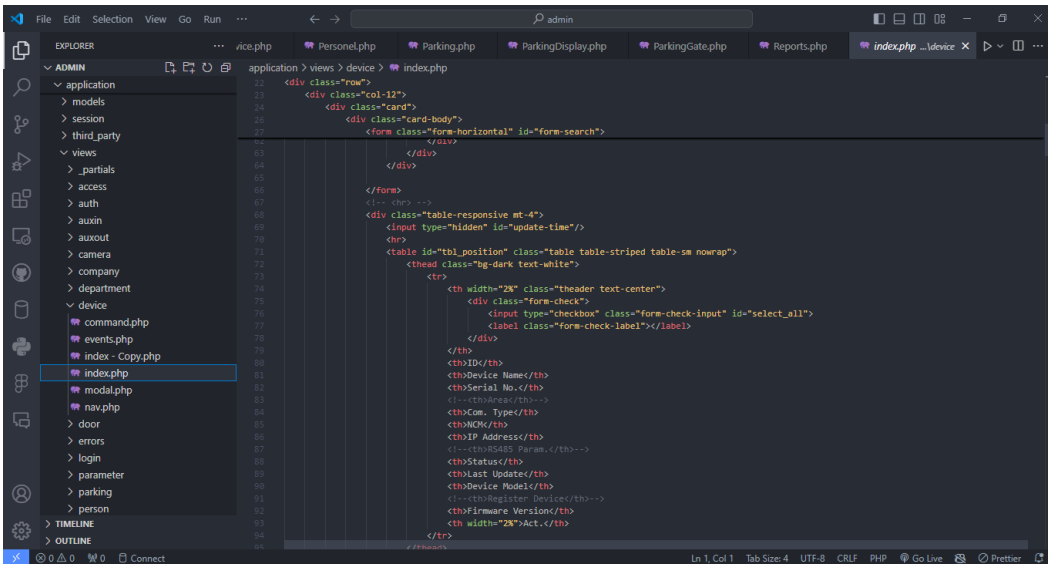
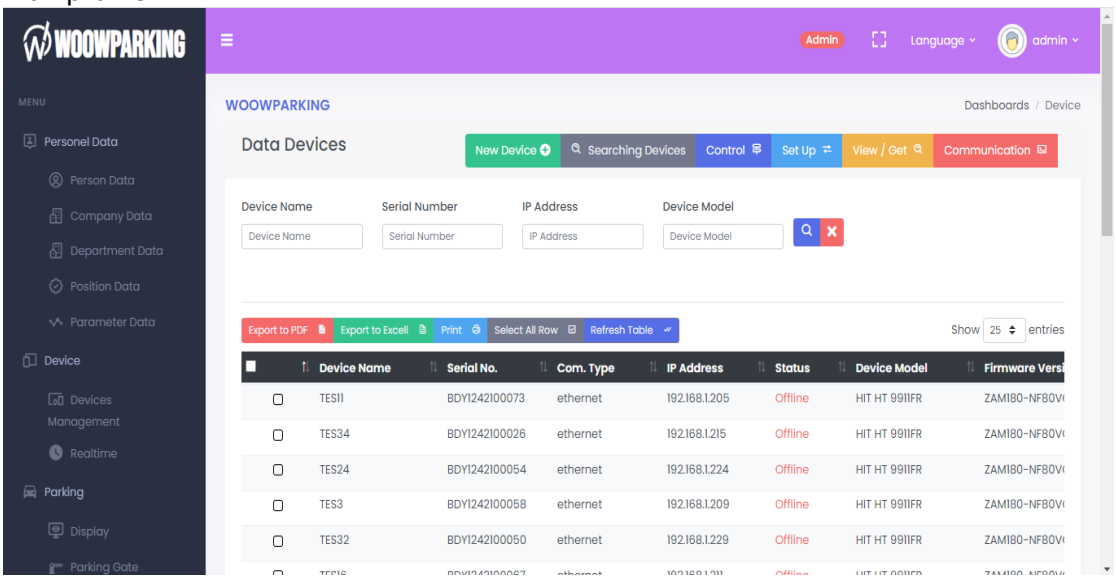
## 2. Halaman Alat

Source Code



Tampilan UI

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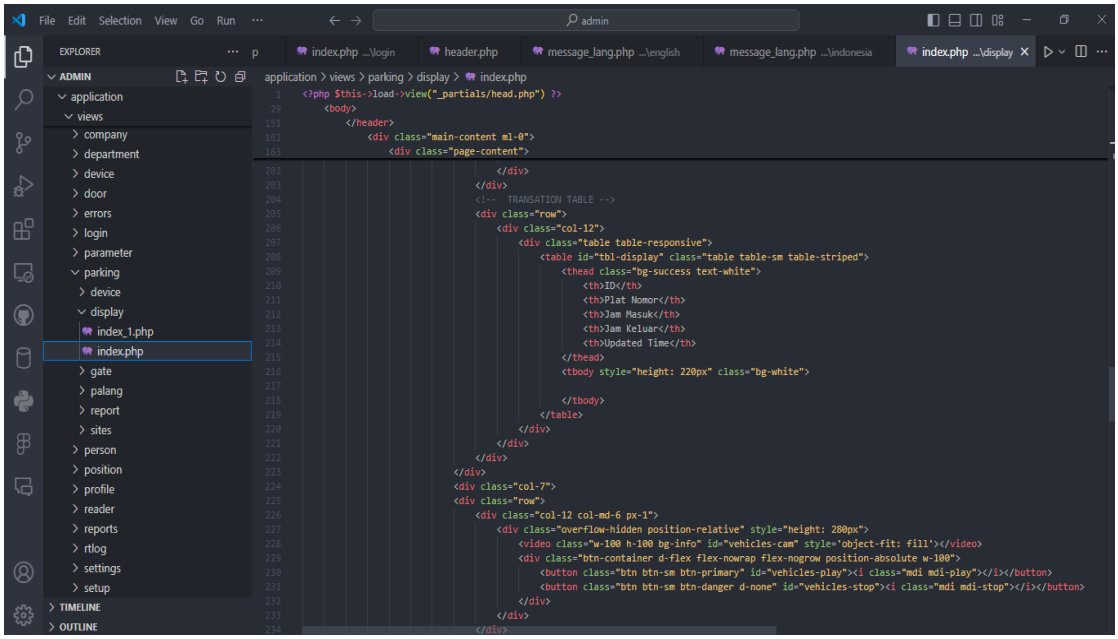
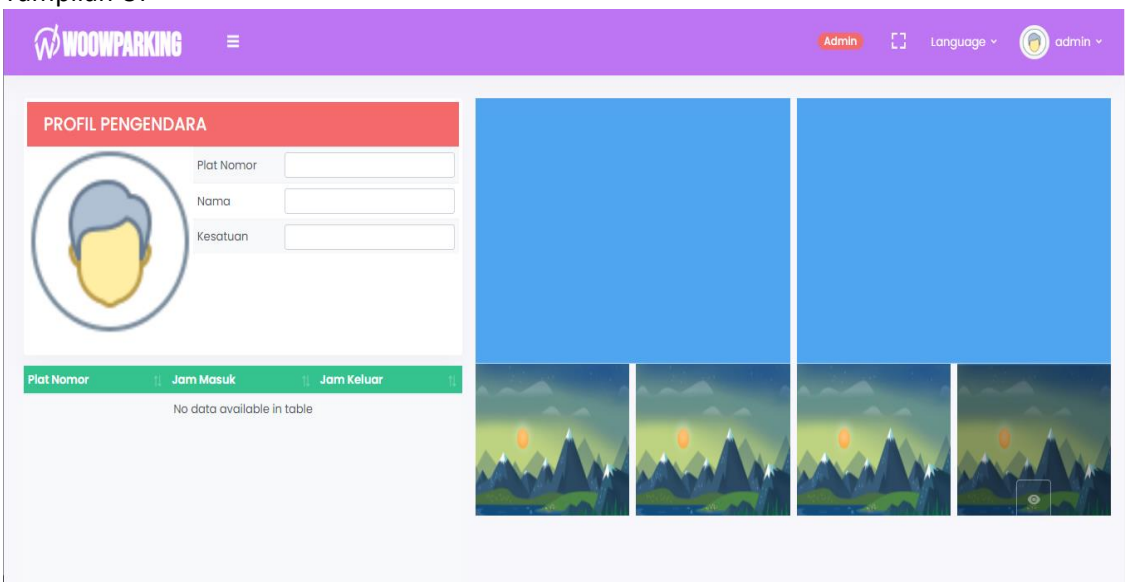
## 3. Halaman POS Operator

Source Code




Tampilan UI

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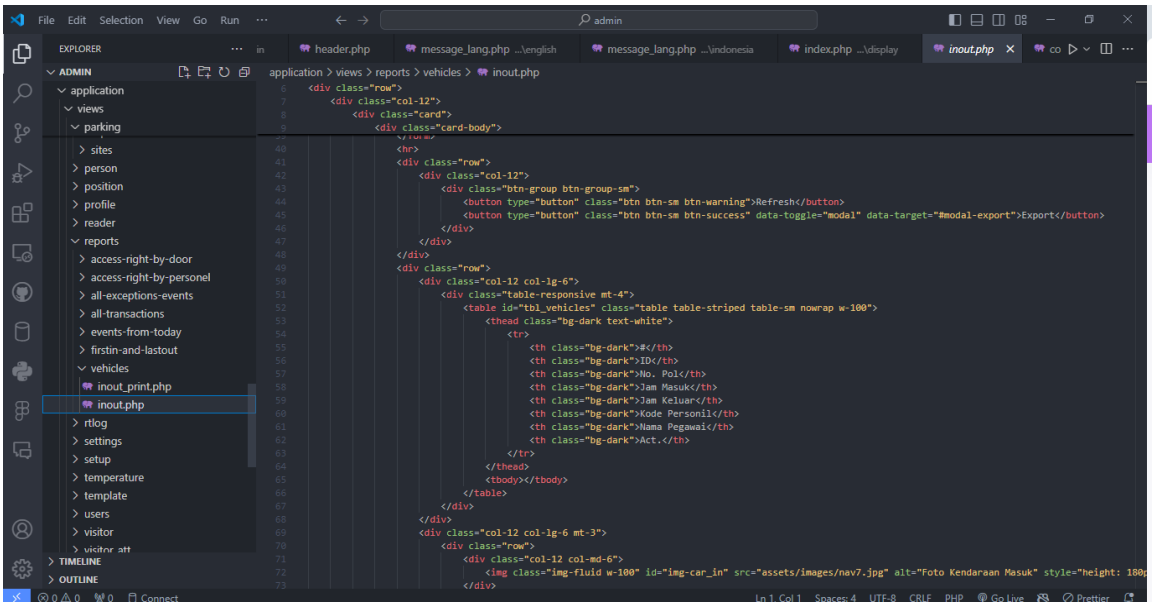
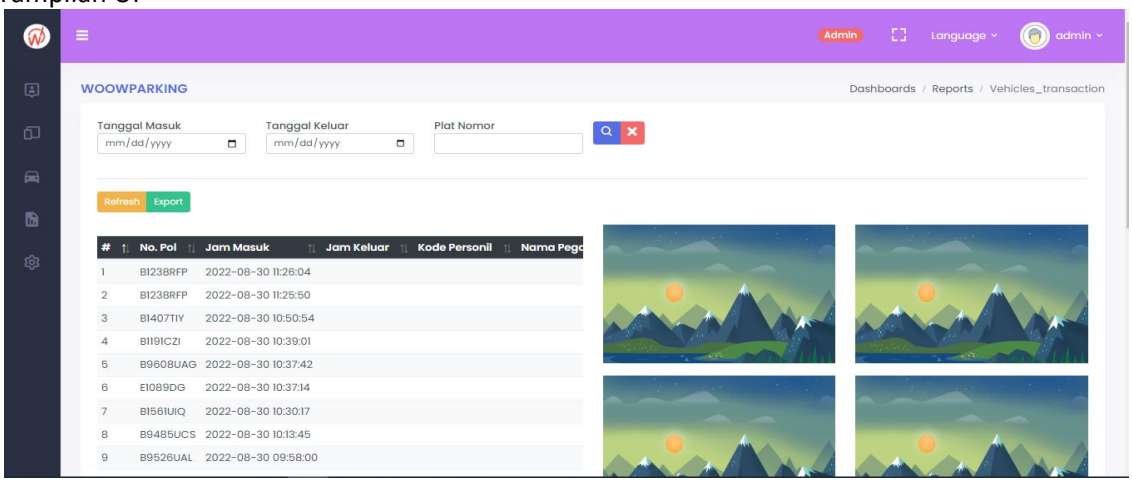
## 4. Halaman Laporan Transaksi

Source Code



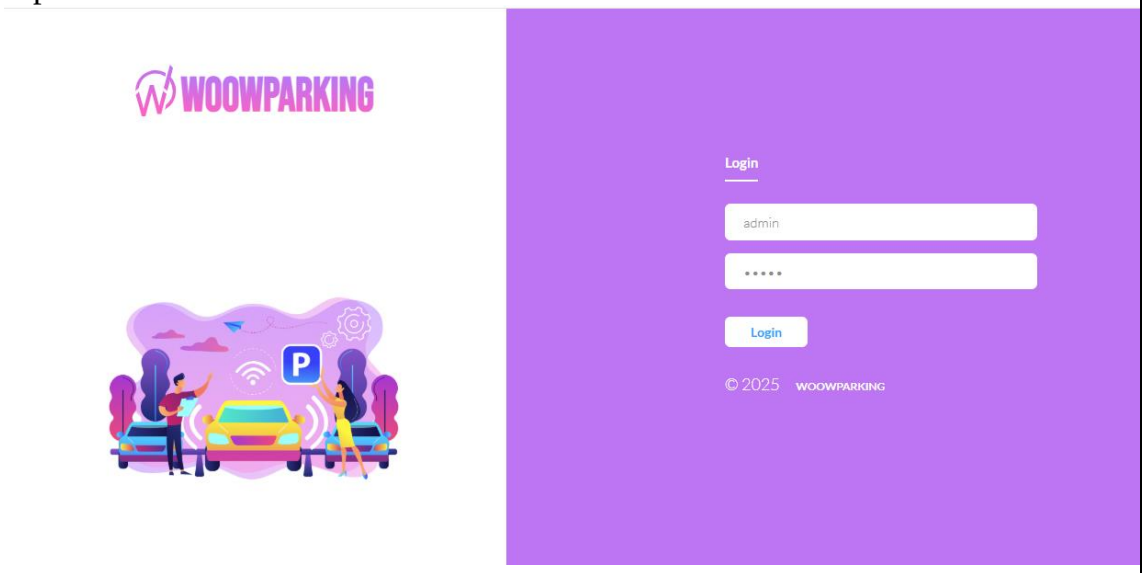

Tampilan UI



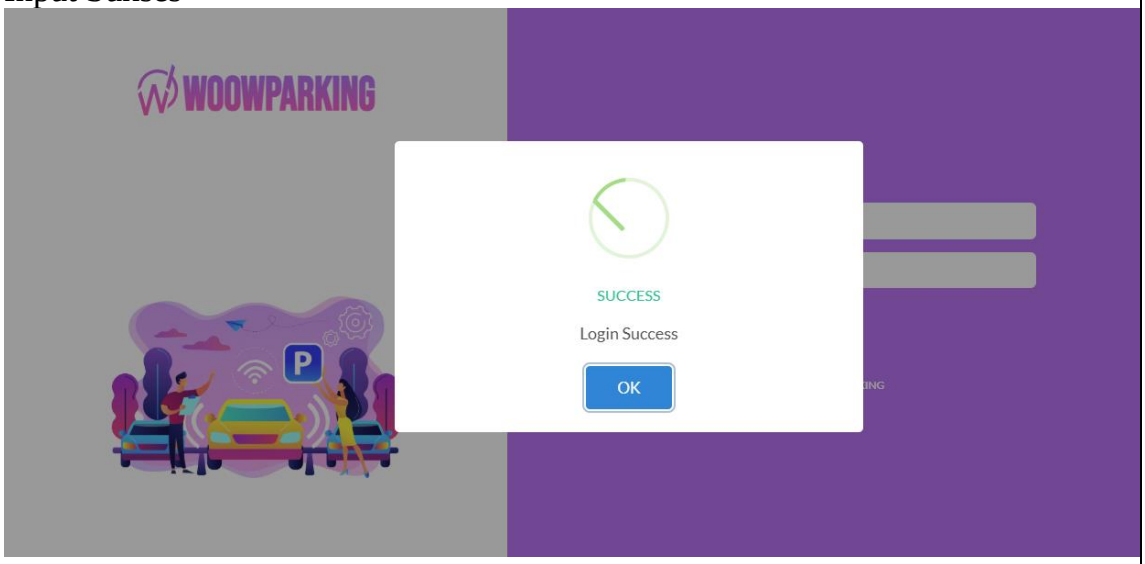

| Disiapkan, | Diperiksa Oleh, |
|---|---|
| **Nauqib A** | **Nurhasmi** |
| **Staf Pengembangan Produk** | **Kepala Pengembangan Produk** |

## [1.3] TESTING & DEBUGGING

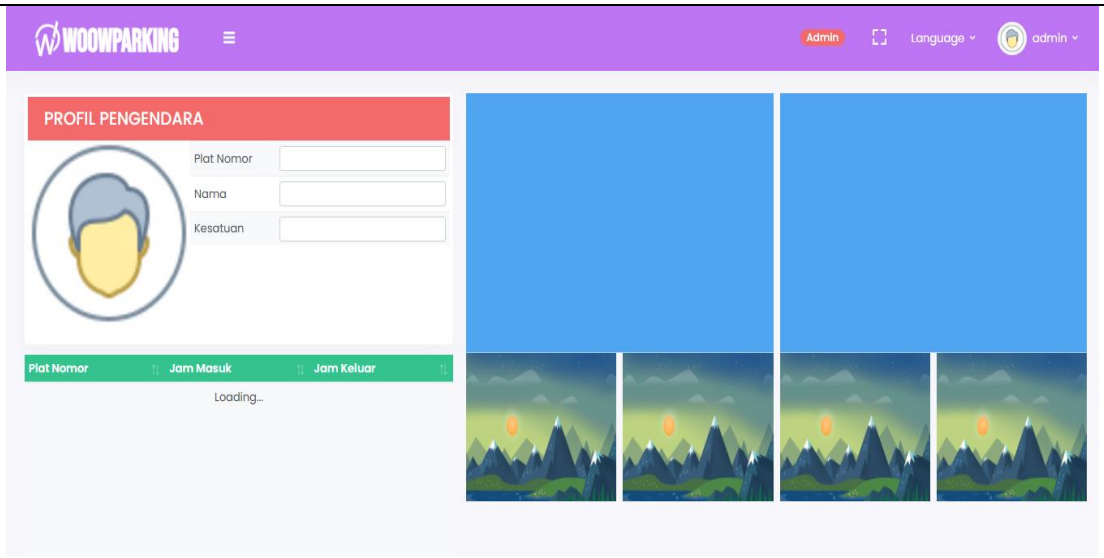
- **Tes Login**
  - Input username dan Password



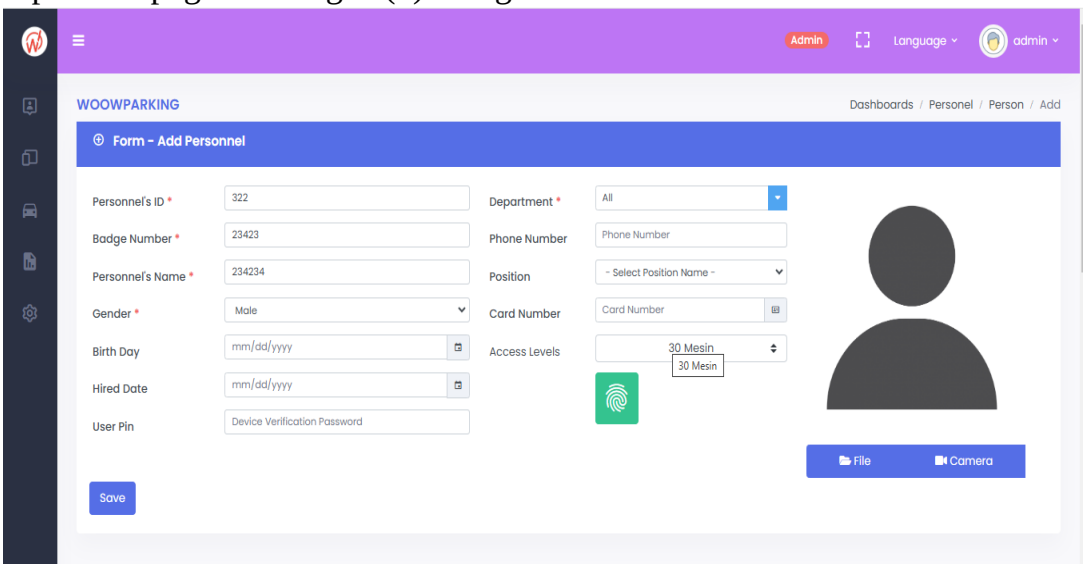

  - Input Sukses



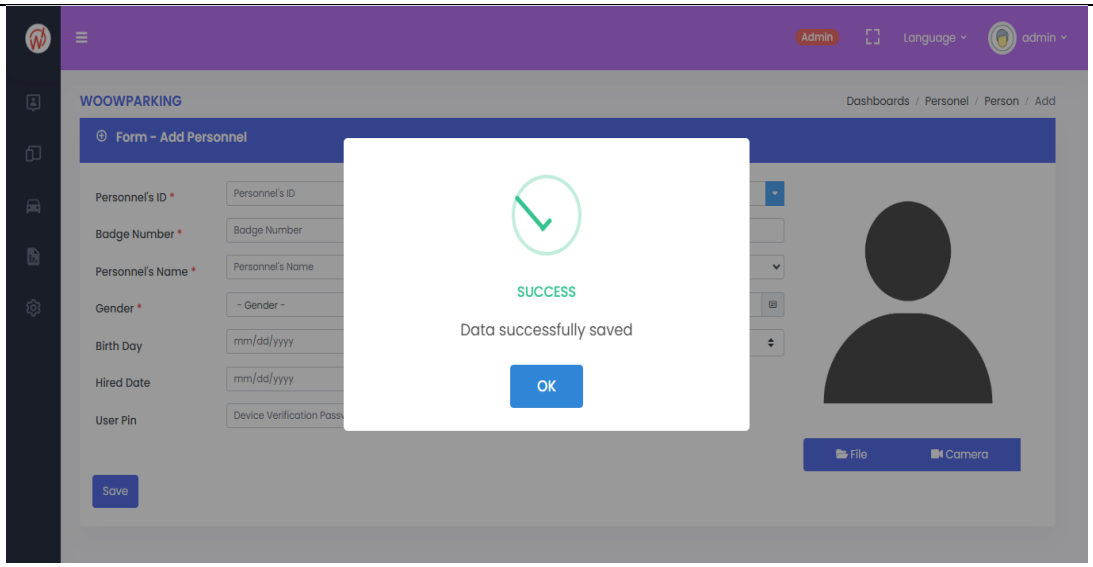

  - Masuk ke Halaman POS Display



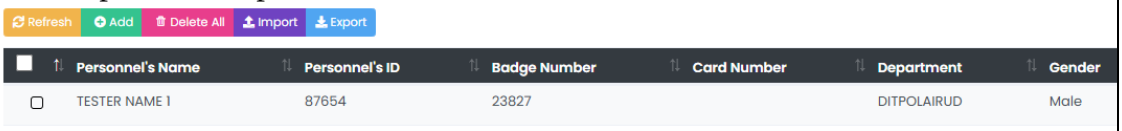

- **Tes Input Pegawai**
  - Input data pegawai dengan (*) sebagai data mandatori



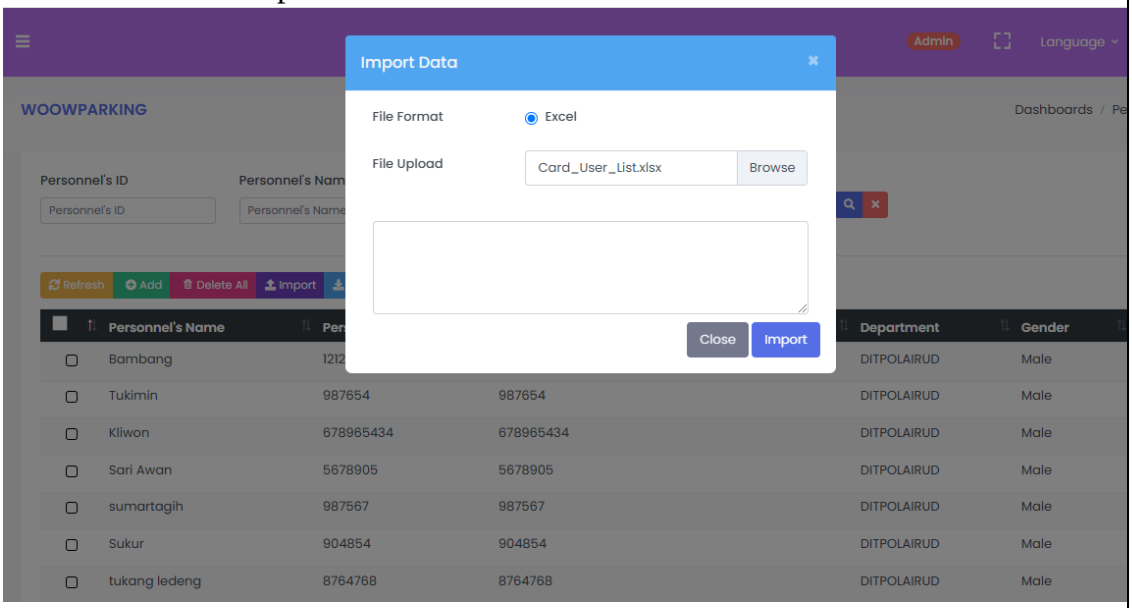

  - Input Sukses



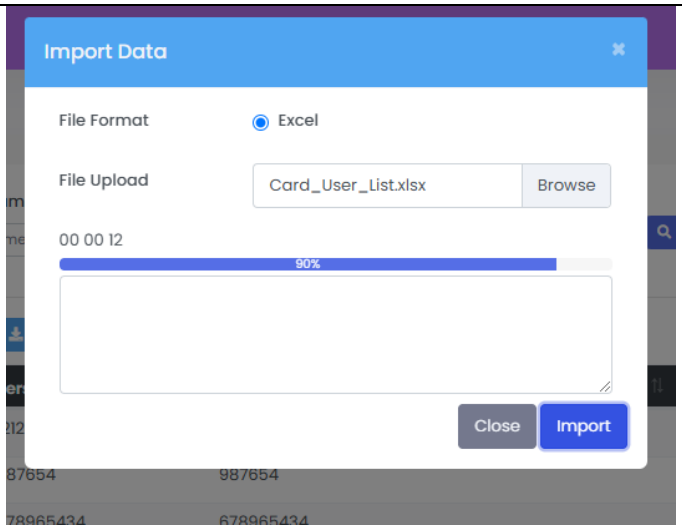

- Data dapat di lihat pada halaman Personnel.



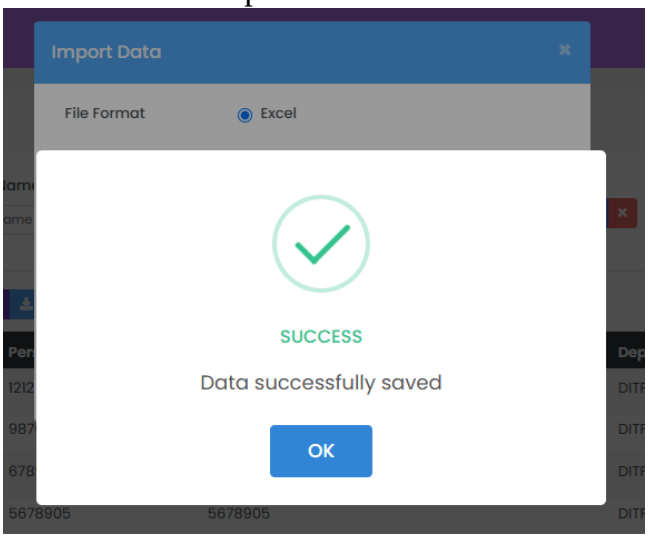

- **Tes Import Data**
  - Pilih file sesuai template excel.




  - Klik Import



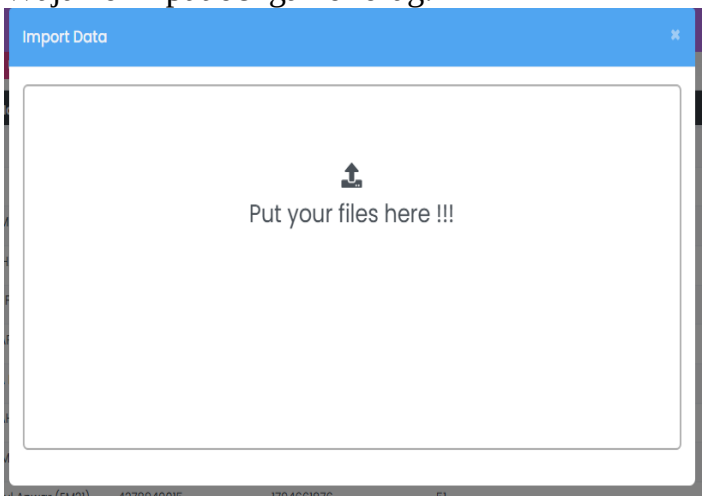

- Data Sukses di input



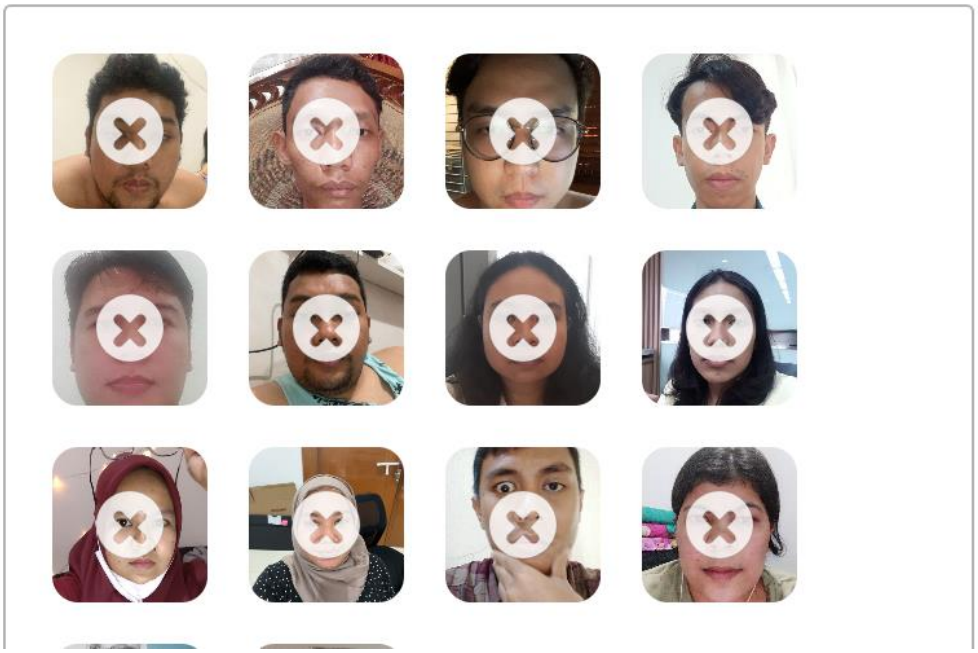

- Data tersedia pada list personil.

| | | | | | | |
|---|---|---|---|---|---|---|
| GUNAWAN | 4270684367 | 1991721606 | 47 | | Female | |
| RUMINTAN | 4270734191 | 1688627389 | 01 | | Female | |
| TEDDY YUNIRMAN DANAS | 4271923375 | 9966005365 | 02 | | Female | |
| INDRIYANI RAHAYU | 4272167215 | 2073120085 | 01 | | Female | |
| FARHAN BUDI PRATAMA | 4272264271 | 1591590385 | 05 | | Female | |
| R DOMY SOKARA (EM) | 4275316687 | 9966041782 | 60 | | Female | |
| INDRI PUSPITA RIYANTO | 4275570767 | 1490548062 | 54 | | Female | |
| HERLYANA MAHARANI (EM21) | 4276543471 | 2199742107 | 60 | | Female | |
| SALADIN D (EM) | 4276595567 | 1874682271 | 77 | | Female | |
| Shabrina Nurul Anwar (EM21) | 4278940015 | 1794661876 | 51 | | Female | |

- **Import Template Wajah.**
  - Wajah di input dengan di drag.




  - Terdapat errror pada file yang di upload



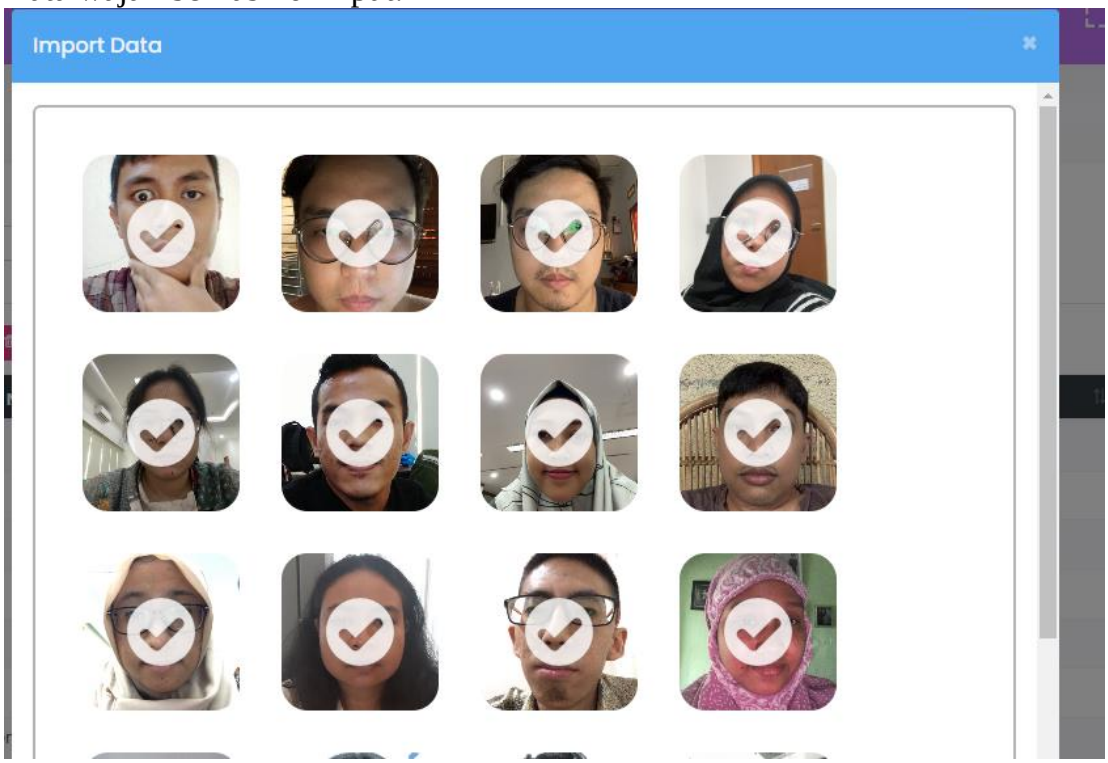
- Upload error karena folder tercipta karena folder untuk output data gambar tidak memiliki hak akses untuk *Write* ketika di buat melalui aplikasi. Sumber Kode:

```
$files = $_FILES['file'];


if(!file_exists(FCPATH.'assets'.DIRECTORY_SEPARATOR.'images'.DIRECTORY_SEPARATOR.'users'))
    mkdir(FCPATH.'assets'.DIRECTORY_SEPARATOR.'images'.DIRECTORY_SEPARATOR.'users');


if(is_array($files['tmp_name']))
```

- Jadi harus di tambahkan manipulasi hak akses melalui aplikasi. Sumber Kode:

```
$files = $_FILES['file'];


if(!file_exists(FCPATH.'assets'.DIRECTORY_SEPARATOR.'images'.DIRECTORY_SEPARATOR.'users'))
    mkdir(FCPATH.'assets'.DIRECTORY_SEPARATOR.'images'.DIRECTORY_SEPARATOR.'users', 0777);
```

- Data wajah berhasil di input.



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| **Diperiksa** |
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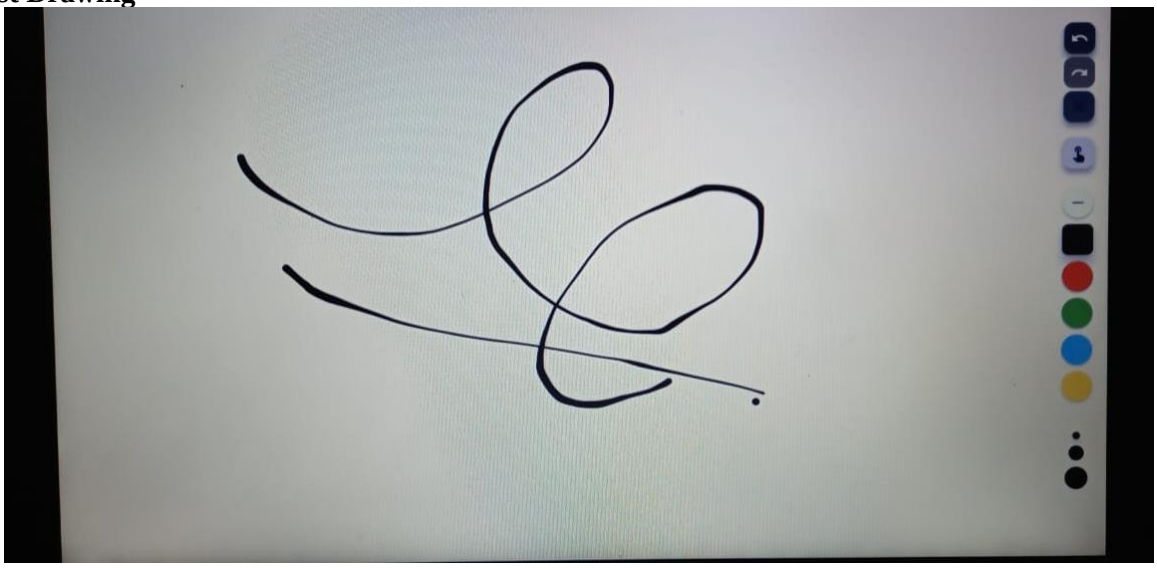
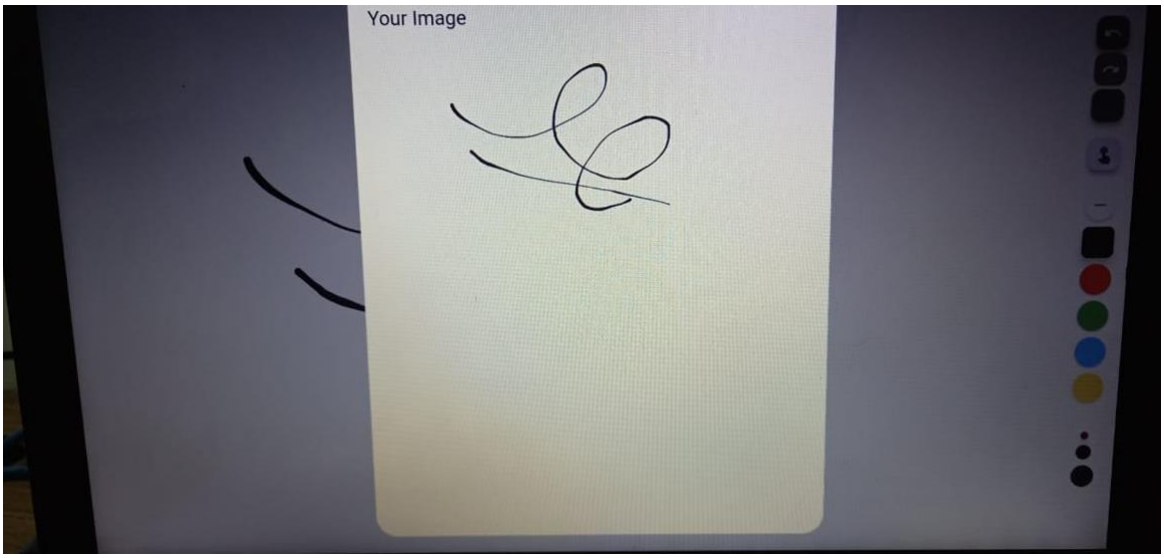
# [1.3] TESTING & DEBUGGING

**Test Drawing**



**Test Saving**




| Diperiksa |
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# [1.3] TESTING & DEBUGGING

## [1.3.2] HASIL VERIFIKASI PENGECEKAN SOFTWARE

| No | Modul | Hasil diharapkan | Lulus |
|---|---|---|---|
| 1. | Login | User dapat melakukan login | Ya |
| 2. | Registrasi | User dapat mendaftarkan akun baru | Ya |
| 3. | Workspace | User dapat melakukan drawing | Ya |
| 4. | Saving | Hasil drawing dapat disimpan | Ya |

| Disiapkan, | Diperiksa Oleh, |
|---|---|
| | |
| **Nauqib A** | **Nurhasmi** |
| **Staf Pengembangan Produk** | **Kepala Pengembangan Produk** |