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LAMPIRAN

- **Lampiran 1** Script Model Login

```
<?php
class Main_models extends CI_Model
{
    public function __construct()
    {
        parent::__construct();
    }

    public function loginGetUsername()
    {
        return $this->db->get_where('users', ['Username' => $this->input->post('Username')])-
        >row_array();
    }

    public function getUser()
    {
        return $this->db->get_where('users', ['Username' => $this->session->userdata('username')])-
        >row_array();
    }

    public function insertData()
    {
        $data = [
            'Nama' => htmlspecialchars($this->input->post('Nama', true)),
            'Username' => htmlspecialchars($this->input->post('Username', true)),
            'Password' => password_hash($this->input->post('Password'), PASSWORD_DEFAULT),
            'Photo' => 'default.png',
            'role_id' => 2,
            'is_active' => 1
        ];
        return $data;
    }
}
```

```
}  
}
```

- **Lampiran 2** Script Controller Login

```
<?php  
class Auth extends CI_Controller  
{  
    public function __construct()  
    {  
        parent::__construct();  
        $this->load->library('form_validation');  
        $this->load->model('Main_models');  
    }  
    public function index()  
    {  
        $this->form_validation->set_rules('Username', 'Username', 'trim|required');  
        $this->form_validation->set_rules('Password', 'Password', 'trim|required');  
        if ($this->form_validation->run() == false) {  
            $data['title'] = "Login";  
            $this->load->view('templates/header', $data);  
            $this->load->view('auth/login');  
            $this->load->view('templates/footer');  
        } else {  
            $this->_login();  
        }  
    }  
    private function _login()  
    {  
        $Pass = $this->input->post('Password');
```

```

$User = $this->Main_models->loginGetUsername();
//jika user ada
if ($User) {
    if (password_verify($Pass, $User['Password'])) {
        $data = [
            'username' => $User['Username'],
            'prodi' => $User['kd_prodi'],
            'jurusan' => $User['kd_jurusan'],
            'role_id' => $User['role_id']
        ];
        $this->session->set_userdata($data);
        if ($User['role_id'] == 2) {
            redirect('mahasiswa');
        } elseif ($User['role_id'] == 3) {
            redirect('pembimbing');
        } elseif ($User['role_id'] == 4) {
            redirect('kalab');
        } elseif ($User['role_id'] == 5) {
            redirect('kps');
        } elseif ($User['role_id'] == 6) {
            redirect('fakultas');
        } else {
            redirect('admin');
        }
    } else {
        $this->session->set_flashdata('message', '<div class="alert alert-danger" role="alert">
        Password Salah!!
        </div>');
        redirect('auth');
    }
}

```

```

    }
} else {
    $this->session->set_flashdata('message', '<div><i class="fas fa-info-circle" style="color: red;"></i> <span >Username Tidak Terdaftar !</span></div>');
    redirect('auth');
}
}
public function register()
{
    $this->form_validation->set_rules('Nama', 'Name', 'required|trim');

    $this->form_validation->set_rules('Username', 'Username', 'required|trim|is_unique[users.Username]', ['is_unique' => 'Username sudah Terdaftar']);

    $this->form_validation->set_rules('Password', 'Password', 'required|trim|min_length[6]|matches[Password2]', ['matches' => 'Password Tidak Sama', 'min_length' => 'Password Terlalu Singkat']);

    $this->form_validation->set_rules('Password2', 'Password', 'required|trim|matches[Password]');

    if ($this->form_validation->run() == false) {
        $data['title'] = "Registrasi";
        $this->load->view('templates/header', $data);
        $this->load->view('auth/register');
        $this->load->view('templates/footer');
    } else {
        $data = $this->Main_models->insertData();

        $this->db->insert('users', $data);
        $this->session->set_flashdata('message', '<div class="alert alert-success" role="alert">
        Berhasil Register, Silahkan Login!
        </div>');
        redirect('auth');
    }
}

```

```

    }
}
public function logout()
{
    $this->session->unset_userdata('Username');
    $this->session->unset_userdata('user_id');
    $this->session->set_flashdata('message', '<div class="alert alert-success" role="alert">
        Anda berhasil logout!
    </div>');
    redirect('auth');
}
public function blocked()
{
    echo "Access blocked";
}
}

```

- **Lampiran 3** Script View login

```

<div class="container">
    <!-- Outer Row -->
    <div class="row justify-content-center">
        <div class="col-lg-8">
            <!-- Nested Row within Card Body -->
            <div class="row mt-5">
                <div class="col-lg-9 m-auto">
                    <div class="card mt-5 bg-red" style="width: 500px; box-shadow: 3px -
2px 7px grey;">
                        <div class="card-title text-center">
                            

```

```

</div><div class="m-auto">Manajemen Tugas Akhir UNHAS</div>
<?= $this->session->flashdata('message'); ?>
<div class="card-body">
    <form class="user" method="POST" action="<?= base_url('auth'); ?>">
        <div class="input-group mb-4">
            <div class="input-group-prepend">
                <span class="input-group-text">
                    <i class="fas fa-user"></i>
                </span>
            </div>
            <input type="text" class="form-control form-control-
user" id="Username" name="Username" placeholder="Masukkan username" value="<?= set_value
('Username'); ?>">
            <?= form_error('Username', '<small class="text-danger pl-
3">', '</small>'); ?>
        </div>
        <div class="input-group mb-5">
            <div class="input-group-prepend">
                <span class="input-group-text">
                    <i class="fas fa-lock"></i>
                </span>
            </div>
            <input type="password" class="form-control form-control-
user" id="Password" name="Password" placeholder="Masukkan Password">
            <?= form_error('Password', '<br><small class="text-danger pl-
3">', '</small>'); ?>
        </div>
        <button type="submit" class="btn btn-primary btn-user btn-block">
            Login
        </button>
    </div>
    <hr>

```



```
        </form>
        <hr>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
```

- **Lampiran 4** Script Controller Mahasiswa

```
<?php
class Mahasiswa extends CI_Controller
{
    public function __construct()
    {
        parent::__construct();
        $this->load->library('form_validation');
        $this->load->library('curl');
        $this->load->library('mailer');
        $this->load->model('Main_models');
        $this->load->model('Mahasiswa_model');
    }
    public function index()
    {
        $data['title'] = "Dashboard Mahasiswa";
        $data['user'] = $this->Main_models->getUser();
    }
}
```

```

$this->load->view('templates/dashboard_header', $data);

$this->load->view('templates/dashboard_sidebar', $data);

$this->load->view('templates/dashboard_topbar', $data);

$this->load->view('mahasiswa/index', $data);

$this->load->view('templates/dashboard_footer');
}

public function skripsi()
{
    $data['title'] = "Tugas Akhir";

    $data['user'] = $this->Mahasiswa_model->getUser();

    $data['ditolak'] = $this->Mahasiswa_model->judulDitolak();

    // $data['data_skripsi'] = $this->Mahasiswa_model->getDataSkripsi();

    $data['departemen'] = $this->Mahasiswa_model->getDepartemen();

    $data['prodi'] = $this->Mahasiswa_model->getProdi();

    $data['mhs'] = $this->Mahasiswa_model->getDataSkripsiMahasiswa();

    $data['datadosen'] = $this->Mahasiswa_model->getDataDosen();

    $data['mhsdata'] = $this->Mahasiswa_model->getDataMahasiswa();

    $data['dosen2'] = $this->Mahasiswa_model->getPembimbingPenguji();

    $this->form_validation->set_rules('Judul', 'Judul Skripsi', 'required|trim');

    if ($this->form_validation->run() == false) {

        $this->load->view('templates/dashboard_header', $data);

        $this->load->view('templates/dashboard_sidebar', $data);

        $this->load->view('templates/dashboard_topbar', $data);

        $this->load->view('skripsi/index', $data);
    }
}

```

```

$this->load->view('templates/dashboard_footer');

$this->session->set_flashdata('message', '<div class="alert alert-danger" role="alert">

Gagal Mengajukan Judul!

</div>');

} else {

</div>');

}

}

public function ajukanJudul (){

// $data['dosen'] = $this->Mahasiswa_model->getAPI();

$this->Mahasiswa_model->insertDataSkripsi();

$judul = $this->input->post('Judul');

$email_penerima = 'heiantsnow69@gmail.com';

$subjek = 'Pengajuan Tugas Akhir';

$pesan = $this->input->post('Nama') . ' Mengajukan Tugas Akhir ' . $judul;

$sendmail = array(

    'email_penerima'=>$email_penerima,

    'subjek'=>$subjek,

    'pesan'=>$pesan,

)

if(empty($attachment['name'])){ // Jika tanpa attachment

    $send = $this->mailer->send($sendmail); // Panggil fungsi send yang ada di librari Mailer

} else { // Jika dengan attachment

```

```

        $send = $this->mailer-
>send_with_attachment($sendmail); // Panggil fungsi send_with_attachment yang ada di librari M
ailer

    }

    echo "<b>".$send['status']."</b><br />";    echo $send['message'];

    redirect('Mahasiswa/skripsi');

}

public function JudulBaru(){

    $this->Mahasiswa_model->judulBaru();

    redirect('Mahasiswa/skripsi');

}

}

```

Lampiran 5 Script Model mahasiswa

```

<?php

class Mahasiswa_model extends CI_Model

{

    public function __construct()

    {

        parent::__construct();

    }

    public function getDataUser()

    {

        return $this->db->get_where('users', ['Username' => $this->session->userdata('username')])-
>row_array();

    }

    //ambil data dosen dari rest Server

```

```

public function getAPI($manage2 = null)
{
    //koneksi ke rest server

    $curl = curl_init(); // curl login

    $curl2 = curl_init(); // curl ambil data dari rest

    curl_setopt_array($curl, array(
        CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/login",
        CURLOPT_RETURNTRANSFER => true,
        CURLOPT_ENCODING => "",
        CURLOPT_MAXREDIRS => 10,
        CURLOPT_TIMEOUT => 0,
        CURLOPT_FOLLOWLOCATION => true,
        CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
        CURLOPT_CUSTOMREQUEST => "POST",
        CURLOPT_POSTFIELDS => array('userAccount' => 'hendra','userPassword' => '123456'),
    ));

    $response = curl_exec($curl);

    curl_close($curl);

    //ambil token

    $manage = json_decode($response, true);

    $token = $manage["token"];

    curl_setopt_array($curl2, array(
        CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/dosen",
        CURLOPT_RETURNTRANSFER => true,

```

```

CURLOPT_ENCODING => "",
CURLOPT_MAXREDIRS => 10,
CURLOPT_TIMEOUT => 0,
CURLOPT_FOLLOWLOCATION => true,
CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
CURLOPT_CUSTOMREQUEST => "GET",
CURLOPT_POSTFIELDS => array('pegNama' => 's.si'),
CURLOPT_HTTPHEADER =>array(
    "Authorization: Bearer ".$token
),
);
curl_close($curl2);

$manage2 = json_decode($dataDosen, true);

return $manage2;

// var_dump($manage2);
}

public function getDataSkripsi() //ambil data dari tabel data_skripsi
{
    $this->db->get('data_skripsi')->result_array();
}

public function getDataSkripsiMahasiswa() //ambil data skripsi mahasiswa yang login ke aplika
si
{
    $this->db->select('*');

    $this->db->from('data_skripsi');
}

```

```

$this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim', 'right');

$this->db->join('dosen', 'dosen.nip=data_skripsi.nip_pembimbing_utama', 'left');

$this->db->join('dosen_penguji', 'data_skripsi.nip_penguji1=dosen_penguji.nip', 'left');

$this->db->where('mahasiswa.nim', $this->session->userdata('username'));

return $this->db->get()->row_array();

}

public function getPembimbingPenguji(){

    $this->db->select('*');

    $this->db->from('data_skripsi');

    $this->db->where('data_skripsi.nim', $this->session->userdata('username'));

    $this->db->join('dosen', 'data_skripsi.nip_pembimbing_pertama=dosen.nip', 'left');

    $this->db->join('dosen_penguji', 'data_skripsi.nip_penguji2=dosen_penguji.nip', 'left');

    return $this->db->get()->row_array();

}

public function getDepartemen(){

    return $this->db->get('jurusan')->result_array();

}

public function getProdi(){

    return $this->db->get('prodi')->result_array();

}

public function judulDitolak() //ambil data skripsi mahasiswa yang ditolak

{

    $this->db->select('*');

```

```

$this->db->from('data_skripsi');

$this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim', 'right');

$this->db->join('dosen', 'dosen.nip=data_skripsi.nip_pembimbing_utama','left');

$this->db->where('mahasiswa.nim', $this->session->userdata('username'));

$this->db->where('kd_acc_pembimbing', 2);

return $this->db->get()->row_array();

}

public function getDataDosen() //ambil data dari tabel dosen
{
    $this->db->select('*');

    $this->db->from('dosen');

    return $this->db->get()->result();
}

public function getDataMahasiswa(){
    $this->db->select('*');

    $this->db->from('mahasiswa_sample');

    $this->db->where('nim', $this->session->userdata('username'));

    return $this->db->get()->row_array();
}

public function judulBaru(){
    $this->db->where('nim', $this->session->userdata('username'));

    $this->db->delete('data_skripsi');
}

```



```

public function insertDataSkripsi() //Masukkan data yang diinput dari aplikasi ke database
{
    $Dosen = $this->getAPI(); //ambil data dosen
    foreach ($Dosen as $dosenku) :
        if ($dosenku['pegNip']==$this->input->post('Pembimbing')) {
            $pembimbingNama = $dosenku['pegNamaGelar'];
        }
    endforeach;
    $data = [
        "nim" => $this->input->post('Username'),
        "judul" => $this->input->post('Judul'),
        "tanggal" => $this->input->post('Tanggal'),
        "deskripsi" => $this->input->post('Deskripsi'),
        //'Pembimbing' => $pembimbingNama,
        'kd_jurusan' => $this->input->post('Jurusan'),
        'kd_prodi' => $this->input->post('Prodi'),
        'nip_pembimbing_utama' => $this->input->post('Pembimbing', true),
    ];
    $dataMahasiswa = [
        "nim" => $this->input->post('Username'),
        "nama" => $this->input->post('Nama'),
        "kd_jurusan" => $this->input->post('Jurusan'),
        "kd_prodi" => $this->input->post('Prodi')
    ];
}

```

```

$dataDosen = [
    "nama_dosen" => $pembimbingNama,
    "nip" => $this->input->post('Pembimbing'),
    "kd_jurusan" => $this->input->post('Jurusan'),
    "kd_prodi" => $this->input->post('Prodi')
];
$query = $this->getDataDosen();
foreach ($query as $row) {
}
if ( $row->nip = $this->input->post('Pembimbing')) {
    $this->db->replace('dosen', $dataDosen);
} else {
    $this->db->insert('dosen', $dataDosen);
}
$querymhs = $this->getDataMahasiswa();

if ($this->input->post('Username') != $querymhs['nim']) {
    $this->db->insert('mahasiswa', $dataMahasiswa);
} else {
    $this->db->replace('mahasiswa', $dataMahasiswa);
}
$this->db->insert('data_skripsi', $data);
}
}

```

- **Lampiran 6** Script View mahasiswa

```

<div class="container">

<div class="jumbotron" style="box-shadow: -2px -2px 6px grey;">

    <?php

        $dataTarget;

        $tanggal = date("Y-m-d");

        $img = $user['Photo'];

        if ($mhsdata['sks'] < 138) :

            $dataTarget = 'modalAlert';

        else :

            $dataTarget = 'SkripsiModal';

        endif; ?>

<h6 class="display-4">Info Tugas Akhir</h6>

<hr class="my-4">

<div>

    <table class="table table-borderless table-striped" >

<tr>

    <td>Nama Mahasiswa </td>

    <td> : <?=$mhsdata['Nama']; ?></td>

</tr>

<tr>

    <td>NIM</td>

    <td> : <?=$mhsdata['NIM'];?></td>

</tr>

```

```

<tr>

  <td>Tahun Masuk</td>

  <td> : <?=$mhsdata['tahun_masuk'];?></td>

</tr>

<tr>

  <td>Judul Skripsi</td>

  <td> : <?php if (!$mhs) : ?>

    <i class="fas fa-info-
circle" style="color: red;"></i> <span> Belum Mengajukan Judul Tugas Akhir </span>

    <?php elseif ($mhs) : ?>

      <strong><span><?=$mhs['judul']; ?></span></strong>

    <?php endif; ?>

</tr>

<tr>

  <td>Status Persetujuan Skripsi</td>

  <td> : <?php if ($mhs) {

    if ($mhs['kd_acc_pembimbing'] == 0) : ?>

      <i class="fas fa-info-
circle" style="color: yellow;"></i> <span >Menunggu Persetujuan Pembimbing </span>

      <?php elseif ($mhs['kd_acc_pembimbing'] == 1 && $mhs['kd_kelayakan'] == 0) : ?
>

        Menunggu Status Kelayakan dari Kepala Laboratorium

      <?php elseif ($mhs['kd_acc_pembimbing'] == 1 && $mhs['kd_kelayakan'] == 1) : ?
>

        <i class="fas fa-check-
circle" style="color: green;"></i> <span style="color: green;"> Disetujui !</span>

      <?php elseif ($mhs['kd_acc_pembimbing'] == 2 || $mhs['kd_kelayakan'] == 2) : ?>

```

```

        <span style="color: red;"> Judul Tidak disetujui </span>
    <?php endif;
}elseif (!$mhs) {
    echo "-";
    ?>
</td>
</tr>
<tr>
<td>Pembimbing Utama</td>
<td> : <?php if (!$mhs) : ?>
    <span> -</span>
    <?php elseif ($mhs) :
        echo $mhs['nama_dosen'];
    endif; ?>
</td>
</tr>
<tr>
<td>Pembimbing Pertama</td>
<td> : <?php if (!$mhs) {
    echo "-";
        }else if ($mhs) {
            echo $dosen2['nama_dosen'];
        }; ?>
</td>

```



```

<div class="modal-header">

    <h5 class="modal-title" id="JudulModal">Masukkan Data Tugas Akhir</h5>

    <button type="button" class="close" data-dismiss="modal" aria-label="Close">

        <span aria-hidden="true">&times;</span>

    </button>

</div>

<div class="modal-body">

    <form action="<?= base_url('Mahasiswa/ajukanJudul'); ?>" method="post">

        <div class="form-group">

            <label for="Judul">Judul Tugas Akhir </label>

            <input class="form-
control" id="Judul" rows="3" name="Judul" required></input>

        </div>

        <div class="form-group">

            <label for="deskripsi">Deskripsikan Tugas Akhir Anda</label>

            <textarea class="form-
control" id="Deskripsi" name="Deskripsi" rows="3"></textarea>

        </div>

        <div class="form-group">

            <input class="form-
control" id="Tanggal" name="Tanggal" hidden value="<?= $tanggal ?>"></input>

        </div>

        <div class="form-group">

```

```
        <input class="form-
control" id="Username" name="Username" hidden value="<?= $user['Username']; ?>"></input>
```

```
    </div>
```

```
    <div class="form-group">
```

```
        <input class="form-
control" id="Nama" name="Nama" hidden value="<?= $user['Nama']; ?>" required></input>
```

```
    </div>
```

```
    <div class="form-group">
```

```
        <label for="Jurusan">Jurusan</label>
```

```
        <select class="form-control" id="Jurusan" name="Jurusan" required>
```

```
            <option value="" disabled selected>--pilih jurusan--</option>
```

```
            <?php foreach ($departemen as $departemen) : ?>
```

```
                <option value="<?= $departemen['kd_jurusan']; ?>"><?= $departemen['na
ma_jurusan']; ?></option>
```

```
            <?php endforeach; ?>
```

```
        </select>
```

```
    </div>
```

```
    <div class="form-group">
```

```
        <label for="Prodi">Program Studi</label>
```

```
        <select class="form-control" id="Prodi" name="Prodi" required>
```

```
            <option value="" disabled selected>--pilih Program Studi--</option>
```

```
            <option value="01"> Sistem Informasi </option>
```

```
            <option value="02"> Matematika </option>
```

```
            <option value="03"> Ilmu Kimia </option>
```

```
            <option value="04"> Biologi </option>
```

```
        </select>
```



```

</div>

<div class="panel panel-default">
    <div class="panel-body">

        <label>Pilih Dosen Pembimbing</label>

        <div class="form-group">

            <select id="namaPembimbing" name="Pembimbing" class="form-
control select2" required>

                <?php foreach ($dosen as $dsn) : ?>
                    <option value="<?= $dsn['pegNip']; ?>"><?= $dsn['pegNamaGelar'];
?></option>

                <?php endforeach; ?>

            </select>

        </div>

        </div>

        <div class="modal-footer">

            <button type="button" class="btn btn-secondary" data-
dismiss="modal">Close</button>

            <button type="submit" onclick="return confirm('Ajukan judul Tugas akhir ?')
class="btn btn-primary">Submit</button>

        </div>

    </form>

</div>

</div>

```

```

        </div>

    </div>

</div>

<div class="modal fade" id="modalAlert" tabindex="-1" role="dialog" aria-
labelledby="exampleModalLabel" aria-hidden="true">

    <div class="modal-dialog" role="document">

        <div class="modal-content">

            <div class="modal-header">

                <h5 class="modal-title" id="exampleModalLabel">Perhatian</h5>

                <button type="button" class="close" data-dismiss="modal" aria-label="Close">

                    <span aria-hidden="true">&times;</span>

                </button>

            </div>

            <div class="modal-body">

                Total Sks anda belum mencukupi. SKS saat ini<?= $mhs['sks']; ?>

            </div>

            <div class="modal-footer">

                <button type="button" class="btn btn-secondary" data-dismiss="modal">Tutup</button>

            </div>

        </div>

    </div>

</div>

</div>

```

- **Lampiran 7** Script Model Pembimbing

```

<?php

class Pembimbing_model extends CI_Model

```

```

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

    public function getTA()
    {
        $this->db->select('*', 'dosen.nama_dosen,nip', 'mahasiswa.nim,nama');

        $this->db->from('data_skripsi');

        $this->db->where('kd_acc_pembimbing !=', 2 );

        $this->db->where('kd_kelayakan !=', 2 );

        $this->db->where('nip_pembimbing_utama', $this->session->userdata('username'));

        $this->db->order_by('tanggal', 'DESC');

        $this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim');

        $this->db->join('dosen', 'data_skripsi.nip_pembimbing_utama=dosen.nip', 'left' );

        return $this->db->get()->result_array();
    }

    public function judulDitolak()
    {
        $this->db->select('*');

        $this->db->from('data_skripsi');

        $this->db->where('kd_acc_pembimbing', 2);

        $this->db->or_where('kd_kelayakan', 2);
    }
}

```

```

$this->db->where('nip_pembimbing_utama', $this->session->userdata('username'));

$this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim');

return $this->db->get()->result_array();
}

public function detailTA($nim){
    $this->db->select('*');

    $this->db->from('data_skripsi');

    $this->db->where('data_skripsi.nim', $nim);

    $this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim');

    // $this->db->join('dosen ', 'data_skripsi.nip_pembimbing_pertama=dosen1.nip', 'left');

    $this->db->join('dosen_penguji', 'data_skripsi.nip_penguji1=dosen_penguji.nip', 'left');

    $this->db->join('jurusan', 'jurusan.kd_jurusan=data_skripsi.kd_jurusan');

    $this->db->join('prodi', 'prodi.kd_prodi=data_skripsi.kd_prodi');

    return $this->db->get()->row_array();
}

public function getPembimbingPenguji($nim){
    $this->db->select('*');

    $this->db->from('data_skripsi');

    $this->db->where('data_skripsi.nim', $nim);

    $this->db->join('dosen', 'data_skripsi.nip_pembimbing_pertama=dosen.nip', 'left');

    $this->db->join('dosen_penguji', 'data_skripsi.nip_penguji2=dosen_penguji.nip', 'left');

    return $this->db->get()->row_array();
}

```

```

public function getDataDosen() //ambil data dari tabel dosen
{
    $this->db->select('*');
    $this->db->from('dosen');
    return $this->db->get()->result_array();
}

//ambil data dosen dari rest Server

public function getAPI($manage2 = null)
{
    //koneksi ke rest server

    $curl = curl_init();
    $curl2 = curl_init();
    curl_setopt_array($curl, array(
        CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/login",
        CURLOPT_RETURNTRANSFER => true,
        CURLOPT_ENCODING => "",
        CURLOPT_MAXREDIRS => 10,
        CURLOPT_TIMEOUT => 0,
        CURLOPT_FOLLOWLOCATION => true,
        CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
        CURLOPT_CUSTOMREQUEST => "POST",
        CURLOPT_POSTFIELDS => array('userAccount' => 'hendra','userPassword' => '123456'),
    ));
    $response = curl_exec($curl);

```

```

//ambil token

curl_close($curl);

$manage = json_decode($response, true);

$token = $manage["token"];

curl_setopt_array($curl2, array(

    CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/dosen",

    CURLOPT_RETURNTRANSFER => true,

    CURLOPT_ENCODING => "",

    CURLOPT_MAXREDIRS => 10,

    CURLOPT_TIMEOUT => 0,

    CURLOPT_FOLLOWLOCATION => true,

    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,

    CURLOPT_CUSTOMREQUEST => "GET",

    CURLOPT_POSTFIELDS => array('pegNama' => "supri"),

    CURLOPT_HTTPHEADER =>array(

        "Authorization: Bearer ".$token

    ),

))

$dataDosen = curl_exec($curl2);

curl_close($curl2);

$manage2 = json_decode($dataDosen, true);

return $manage2;

// var_dump($manage2);

}

```

```

public function Tolak($getNim)
{
    $this->db->set('kd_acc_pembimbing', 2);
    $this->db->set('alasan_penolakan', $this->input->post('Alasan'));
    $this->db->from('data_skripsi');
    $this->db->where($getNim);
    $this->db->update('data_skripsi');
}

public function Terima($getNim)
{
    $this->db->set('kd_acc_pembimbing', 1);
    $this->db->from('data_skripsi');
    $this->db->where($getNim);
    $this->db->where('kd_acc_pembimbing!=", 2);
    $this->db->update('data_skripsi'
}

```

Lampiran 8 Script Controller Pembimbing

```

<?php
defined('BASEPATH') or exit('No direct script access allowed');

class Pembimbing extends CI_Controller
{
    public function __construct()
    {
        parent::__construct();
    }
}

```

```

$this->load->library('form_validation');

$this->load->library('curl');

$this->load->library('mailer');

$this->load->model('Main_models');

$this->load->model('Pembimbing_model');
}

public function index()
{
    $data['title'] = "Pembimbing";

    $data['user'] = $this->Main_models->getUser();

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    $this->load->view('templates/dashboard_topbar', $data);

    $this->load->view('pembimbing/index', $data);

    $this->load->view('templates/dashboard_footer');
}

public function usulanJudul()
{
    $data['title'] = "Pengajuan TA";

    $data['ta'] = $this->Pembimbing_model->getTA();

    $data['user'] = $this->Main_models->getUser();

    $data['ditolak'] = $this->Pembimbing_model->judulDitolak();

    $this->load->view('templates/dashboard_header', $data);
}

```



```

$this->load->view('templates/dashboard_sidebar', $data);

$this->load->view('templates/dashboard_topbar', $data);

$this->load->view('pembimbing/usulanJudul', $data);

$this->load->view('templates/dashboard_footer');
}

public function tolakTA($nim)
{
    $getNim = array('nim' => $nim);

    // $this->Pembimbing_model->tolak($where, 'data_skripsi')

    $this->Pembimbing_model->Tolak($getNim, 'data_skripsi');

    redirect('Pembimbing/usulanJudul');
}

public function terimaTA($nim)
{
    $getNim = array('nim' => $nim);

    $this->Pembimbing_model->Terima($getNim, 'data_skripsi');

    $judul = $this->input->post('Judul');

    $email_penerima = 'nurwesirinaw@gmail.com';

    $subjek = 'Menunggu Status Kelayakan';

    $pesan = $this->input->post('Nama') . ' $nama Mengajukan Tugas Akhir $Judul' . $judul;

    $sendmail = array(
        'email_penerima'=>$email_penerima,
        'subjek'=>$subjek,
        'pesan'=>$pesan,

```

```

        );

        if(empty($attachment['name'])){ // Jika tanpa attachment

            $send = $this->mailer->send($sendmail); // Panggil fungsi send yang ada di librari Mailer

        }else{ // Jika dengan attachment

            $send = $this->mailer-
>send_with_attachment($sendmail); // Panggil fungsi send_with_attachment yang ada di librari M
ailer

        }

        echo "<b>".$send['status']."</b><br />";    echo $send['message'];

        redirect('Pembimbing/detail/' . $nim);

    }

    public function detail($nim)

    {

        $data['title'] = "Detail";

        $data['ta'] = $this->Pembimbing_model->detailTA($nim);

        $data['user'] = $this->Main_models->getUser();

        $data['dosen'] = $this->Pembimbing_model->getPembimbingPenguji($nim);

        $this->load->view('templates/dashboard_header', $data);

        $this->load->view('templates/dashboard_sidebar', $data);

        $this->load->view('templates/dashboard_topbar', $data);

        $this->load->view('pembimbing/detail', $data);

        $this->load->view('templates/dashboard_footer');

    }

}

```

Lampiran 9 Script View Pembimbing

```

<div class="w-45 h-25 p-5">
<div class="jumbotron w-15 p-6">
  <h1 class="display-5">Detail Tugas Akhir Mahasiswa</h1>
  <table class="table table-striped ">
  <tbody class="ml-3">
    <tr>
      <td>Nama Mahasiswa </td>
      <td> : <?=$ta['nama']; ?></td>
    </tr>
    <tr>
      <td>NIM</td>
      <td> : <?=$ta['nim']; ?></td>
    </tr>
    <tr>
      <td>Judul Skripsi</td>
      <td> : <?=$ta['judul']; ?></td>
    </tr>
    <tr>
      <td>Deskripsi</td>
      <td> : <?=$ta['deskripsi']; ?></td>
    </tr>
    <tr>
      <td>Tanggal Pengajuan Skripsi</td>
      <td> : <?=$ta['tanggal']; ?></td>
    </tr>
  </tbody>
</table>

```

```

<tr>
  <td>Jurusan </td>
  <td> : <?=$ta['nama_jurusan']; ?></td>
</tr>
<tr>
  <td>Prodi</td>
  <td> : <?=$ta['nama_prodi']; ?></td>
</tr>
<tr>
  <td>Pembimbing Pertama</td>
  <td> : <?php
    if ($dosen['nip_pembimbing_pertama'] != null) {
      echo $dosen['nama_dosen'];
    }else {
      echo "-";
    }
  ?>
</td>
</tr>
<tr>
  <td>Penguji</td>
  <td> : <?php
    if ($ta['nip_penguji1'] != null || $dosen['nip_penguji2'] !=null ) : ?>
      <span> <?=$ta['nama_penguji'] ?> <br> &nbsp; <?=$dosen['nama_penguji'] ?></span>
    <?php else : ?>

```

Belum Ada

```
<?php endif; ?>
</td>
</tr>
</tbody>
</table>
<?php if ($ta['kd_acc_pembimbing'] == 0) : ?>
<div class="d-grid gap-2 col-6 mx-auto">
    <a href="<?= base_url() . 'Pembimbing/terimaTA/' . $ta['nim']?>" class="btn btn-
success" onclick="return confirm('Setujui judul Tugas akhir <?=$ta['nama']; ?> ?' )" type="button"
><i class="fas fa-check-circle"></i> Setujui</a>
    <button class="btn btn-danger" data-toggle="modal" data-
target="#Alasan" type="button"><i class="fas fa-times-circle"></i> Tolak</button>
</div>
<?php else : ?>
<div class="d-grid gap-2 col-6 mx-auto">
</div>
<?php endif; ?>
</div>
</div>
</div>
<div class="modal fade" id="Alasan" tabindex="-1" role="dialog" aria-
labelledby="exampleModalCenterTitle" aria-hidden="true">
    <div class="modal-dialog modal-dialog-centered" role="document">
        <div class="modal-content">
```

```

<div class="modal-header">
  <h5 class="modal-title" id="exampleModalCenterTitle">Modal title</h5>
  <button type="button" class="close" data-dismiss="modal" aria-label="Close">
    <span aria-hidden="true">&times;</span>
  </button>
</div>

<div class="modal-body">
  <form action="<?= base_url('Pembimbing/tolakTA/' .Sta['nim']); ?>" method="post">
    <div class="form-group">
      <input class="form-control" id="nim" name="nim" hidden value="<?= $ta['nim'] ?>"></input>
    </div>
    <div class="form-group">
      <label for="Surat">Masukkan Alasan Penolakan Tugas Akhir </label>
      <input class="form-control" id="Alasan" rows="3" name="Alasan" required></input>
    </div>
    <div class="modal-footer">
      <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
      <button type="submit" onclick="return confirm('Tolak judul Tugas akhir <?=$ta['nama']; ?> ?')" class="btn btn-primary">Submit</button>
    </div>
  </form>
</div>
</div>
</div>
</div>

```

- **Lampiran 10** Script Model Kepala Laboratorium

```
<?php
```

```

class Kalab_model extends CI_Model
{
    public function __construct()
    {
        parent::__construct();
    }

    public function getTA(){
        $this->db-
>select('data_skripsi.*, dosen.nama_dosen as nama_dosen, mahasiswa.nama as nama_mahasiswa,
prodi.nama_prodi as prodi, jurusan.nama_jurusan as jurusan' );

        $this->db->from('data_skripsi');

        $this->db->where('kd_acc_pembimbing', 1);

        $this->db->where('kd_kelayakan !=', 2);

        $this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim');

        $this->db->join('prodi', 'prodi.kd_prodi=data_skripsi.kd_prodi');

        $this->db->join('jurusan', 'jurusan.kd_jurusan=data_skripsi.kd_jurusan');

        $this->db-
>join('dosen', 'dosen.nip=data_skripsi.nip_pembimbing_utama', 'dosen.nip = data_skripsi.nip_pem
bimbing_pertama','left');

        return $this->db->get()->result_array();
    }

    public function detailTA($nim){

        $this->db->select('*');

        $this->db->from('data_skripsi');

        $this->db->where('data_skripsi.nim', $nim);

        $this->db->where('kd_acc_pembimbing', 1);

        $this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim');
    }
}

```

```

    $this->db->join('dosen ', 'data_skripsi.nip_pembimbing_utama=dosen.nip', 'left');
    $this->db->join('dosen_penguji', 'data_skripsi.nip_penguji1=dosen_penguji.nip', 'left');
    $this->db->join('jurusan', 'jurusan.kd_jurusan=data_skripsi.kd_jurusan');
    $this->db->join('prodi', 'prodi.kd_prodi=data_skripsi.kd_prodi');
    return $this->db->get()->row_array();
}

public function getPembimbingPenguji($nim){
    $this->db->select('*');
    $this->db->from('data_skripsi');
    $this->db->where('data_skripsi.nim', $nim);
    $this->db->join('dosen', 'data_skripsi.nip_pembimbing_pertama=dosen.nip', 'left');
    $this->db->join('dosen_penguji', 'data_skripsi.nip_penguji2=dosen_penguji.nip', 'left');
    // $this->db->join('dosen_penguji', 'data_skripsi.nip_penguji2=dosen_penguji.nip');
    return $this->db->get()->row_array();
}

public function getDataDosen() //ambil data dari tabel dosen
{
    $this->db->select('*');
    $this->db->from('dosen');
    return $this->db->get()->result_array();
}

public function Surat($nim){
    $this->db->select('*');
    $this->db->from('data_skripsi');
    $this->db->where('nim', $nim);
}

```



```

        return $this->db->get()->result_array();
    }

    public function setTidakLayak($mahasiswa){
        $this->db->set('kd_kelayakan', 2);
        $this->db->set('alasan_penolakan', $this->input->post('Alasan'));
        $this->db->where($mahasiswa);
        $this->db->update('data_skripsi');
    }

    public function setStatusLayak($mahasiswa){
        $this->db->set('kd_kelayakan', 1);
        $this->db->where($mahasiswa);
        $this->db->update('data_skripsi');
    }

    public function getAPI($manage2 = null) //mengambil data dosen dari database unhas
    {
        //koneksi ke rest server
        $curl = curl_init();
        $curl2 = curl_init();
        curl_setopt_array($curl, array(
            CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/login",
            CURLOPT_RETURNTRANSFER => true,
            CURLOPT_ENCODING => "",
            CURLOPT_MAXREDIRS => 10,
            CURLOPT_TIMEOUT => 0,
            CURLOPT_FOLLOWLOCATION => true,

```

```

CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
CURLOPT_CUSTOMREQUEST => "POST",
CURLOPT_POSTFIELDS => array('userAccount' => 'hendra','userPassword' => '123456'),
));
$response = curl_exec($curl);

//ambil token
curl_close($curl);
$manage = json_decode($response, true);
$token = $manage["token"];
curl_setopt_array($curl2, array(
    CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/dosen",
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => "",
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => "GET",
    CURLOPT_POSTFIELDS => array('pegNama' => "s.si"),
    CURLOPT_HTTPHEADER =>array(
        "Authorization: Bearer ".$token
    ),
));
$dataDosen = curl_exec($curl2);
curl_close($curl2);

```

```

$manage2 = json_decode($dataDosen, true);

return $manage2;

// var_dump($manage2);
}

public function skPembimbing(){

    $this->db->set('sk_pembimbing', $this->input->post('Surat'));

    $this->db->where('nim', $this->input->post('nim'));

    $this->db->update('data_skripsi')

}

public function insertPembimbingPertama(){

    $Dosen = $this->getAPI(); //ambil data dosen

    foreach ($Dosen as $dosenku) :

        if ($dosenku['pegNip']==$this->input->post('Pembimbing')) {

            $pembimbingNama = $dosenku['pegNamaGelar'];

            }

    endforeach;

    $dataDosen = [

        "nama_dosen" => $pembimbingNama,

        "nip" => $this->input->post('Pembimbing')

    ];

    $query = $this->getDataDosen();

    foreach ($query as $row) {

        }

    if ($row['nip']= $this->input->post('Pembimbing'))

        {

```

```

        $this->db->replace('dosen', $dataDosen);
    }
else {
    $this->db->insert('dosen', $dataDosen);
    }

    $this->db->set('nip_pembimbing_pertama', $this->input->post('Pembimbing'));
    $this->db->from('data_skripsi');
    $this->db->where('nim', $this->input->post('nim'));
    $this->db->update('data_skripsi');
    }
}
?>

```

- **Lampiran 11** Script Controller Kepala Laboratorium

```

<?php
defined('BASEPATH') or exit('No direct script access allowed');

class Kalab extends CI_Controller
{
    public function __construct()
    {
        parent::__construct();

        $this->load->library('form_validation');

        $this->load->helper('url');

        $this->load->helper('date');

        $this->load->library('curl');

        $this->load->library('dompdf_gen');
    }
}

```

```

$this->load->model('Main_models');

$this->load->model('Kalab_model');
}

public function index()
{
    $data['title'] = "Dashboard Kepala Lab";

    $data['user'] = $this->Main_models->getUser();

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    $this->load->view('templates/dashboard_topbar', $data);

    $this->load->view('kalab/index', $data);

    $this->load->view('templates/dashboard_footer');
}

public function CekKelayakan()
{
    $data['title'] = "Cek Kelayakan Judul";

    $data['user'] = $this->Main_models->getUser();

    $data['ta'] = $this->Kalab_model->getTA();

    // $data['surat'] = $this->Kalab_model->getSurat();

    $data['dosen'] = $this->Kalab_model->getAPI();

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    $this->load->view('templates/dashboard_topbar', $data);

    $this->load->view('kalab/cekKelayakan', $data);

    $this->load->view('templates/dashboard_footer');
}

```

```

}

public function cetakSK(){

    $nim = $this->input->post('nim' , true);

    $data['ta'] = $this->Kalab_model->getTA();

    // $data['surat'] = $this->Kalab_model->getSurat();

    $data['title'] = "Cek Kelayakan Judul";

    $data['user'] = $this->Main_models->getUser();

    $this->Kalab_model->skPembimbing();

    return redirect('Kalab/cetak/' . $nim);

}

public function layak($nim){

    $mahasiswa =array('NIM' => $nim);

    $this->Kalab_model->setStatusLayak($mahasiswa);

    redirect('Kalab/detail/' . $nim);

}

public function TidakLayak($NIM){

    $mahasiswa =array('NIM' => $NIM);

    $this->Kalab_model->setTidakLayak($mahasiswa);

    redirect('Kalab/cekKelayakan');

}

public function cetak($nim)

    $nim = $this->uri->segment('3');

    $data['dosen'] = $this->Kalab_model->getPembimbingPenguji($nim);

    // $data['sk'] = $this->Kalab_model->Surat($nim);

    $this->load->view('templates/dashboard_header', $data);

```

```

$this->load->view('templates/dashboard_sidebar', $data);
// $this->load->view('templates/dashboard_topbar', $data);
$this->load->view('kalab/sk_pembimbing', $data);
$this->load->view('templates/dashboard_footer');
}
public function pembimbingPertama()
{
    $nim = $this->input->post('nim');
    $this->Kalab_model->insertPembimbingPertama();
    return redirect('Kalab/detail/' . $nim);
}
public function detail($nim)
{
    $data['title'] = "Detail";
    $data['user'] = $this->Main_models->getUser();
    $data['ta'] = $this->Kalab_model->detailTA($nim);
    $data['dosen'] = $this->Kalab_model->getAPI();
    $data['dosen2'] = $this->Kalab_model->getPembimbingPenguji($nim);
    $this->load->view('templates/dashboard_header', $data);
    $this->load->view('templates/dashboard_sidebar', $data);
    $this->load->view('templates/dashboard_topbar', $data);
    $this->load->view('kalab/detail', $data);
    $this->load->view('templates/dashboard_footer');
}
public function pdf($nim){

```

```

$data['ta'] = $this->Kalab_model->detailTA($nim);

$data['dosen'] = $this->Kalab_model->getAPI();

$data['dosen2'] = $this->Kalab_model->getPembimbingPenguji($nim);

$this->load->view('kalab/pdf', $data);

$paper_size = 'A4';

$orientation = 'portrait';

$html = $this->output->get_output();

$this->dmpdf->set_paper($paper_size, $orientation);

$this->dmpdf->load_html($html);

$this->dmpdf->render();

$this->dmpdf->stream("SK_Pembimbing.pdf", array('Attachment' => false))

}

?>

```

- **Lampiran 12** Script View Kepala Laboratorium, Ketua Prodi, Departemen, dan Fakultas

```

<!-- Main Content -->

<div id="content">

    <!-- Begin Page Content -->

    <div class="container-fluid">

        <div class="card-body">

            <p>List Judul Tugas Akhir Mahasiswa</p>

            <table class="table table-hover table-sm">

                <thead class="thead-dark">

                    <tr>

```



```

<th scope="col">No.</th>
<th scope="col"> Mahasiswa</th>
<th scope="col">Judul Tugas Akhir</th>
<th scope="col">Pembimbing Utama</th>
<th scope="col">Status</th>
<th scope="col">Aksi</th>
</tr>
</thead>
<tbody>
<?php
$no = 1;
foreach ($ta as $TA) :
    $nim = $TA['nim'];
    $nama = $TA['nama_mahasiswa'];
    $judul = $TA['judul'];
    $pembimbing = $TA['nama_dosen'];
    $Status = $TA['kd_kelayakan'];
    if($Status!= 2) :
        if ($Status==1) {
            $color = "table-success";
        }else {
            $color = "table-warning ";
        }
    ?>
<tr class="<?=$color;?>">

```

```

<th scope="row"><?= $no++; ?></th>
<td><?= $nama . ' (' . $nim . ') ' ?></td>
<td><?= $judul ?></td>
<td><?= $pembimbing ?></td>
<td style="text-align: center;">
    <?php if ($Status == 1) : ?>
        <p style="color: #0666f0;">Disetujui </p>
    <?php elseif ($Status == 0) : ?>
        <p style="color: red;">Belum Disetujui </p>
    <?php endif; ?>
    <?php endif; ?>
</td>
    <td> <a href="<?= base_url() . 'Kalab/detail/' . $nim?>" class="badge badge-
primary "><i class="fas fa-eye"></i></a></td>
    <?php endforeach; ?>
</tr>
</tbody>
</table>
</div>
</div>
</div>

```

- **Lampiran 13** Script Model Ketua Prodi

```

<?php
class Kps_model extends CI_Model
{
    public function __construct()

```

```

{
    parent::__construct();
}

public function getDosenPenguji() //ambil data dari tabel dosen
{
    $this->db->select('*');
    $this->db->from('dosen_penguji');
    return $this->db->get()->result_array();
}

//ambil data dosen dari rest Server

public function getAPI($manage2 = null)
{
    //koneksi ke rest server

    $curl = curl_init();
    $curl2 = curl_init();

    curl_setopt_array($curl, array(
        CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/login",
        CURLOPT_RETURNTRANSFER => true,
        CURLOPT_ENCODING => "",
        CURLOPT_MAXREDIRS => 10,
        CURLOPT_TIMEOUT => 0,
        CURLOPT_FOLLOWLOCATION => true,
        CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
        CURLOPT_CUSTOMREQUEST => "POST",
        CURLOPT_POSTFIELDS => array('userAccount' => 'hendra','userPassword' => '123456'),

```

```

));

$response = curl_exec($curl);

//ambil token

curl_close($curl);

$manage = json_decode($response, true);

$token = $manage["token"];

curl_setopt_array($curl2, array(

    CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/dosen",

    CURLOPT_RETURNTRANSFER => true,

    CURLOPT_ENCODING => "",

    CURLOPT_MAXREDIRS => 10,

    CURLOPT_TIMEOUT => 0,

    CURLOPT_FOLLOWLOCATION => true,

    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,

    CURLOPT_CUSTOMREQUEST => "GET",

    CURLOPT_POSTFIELDS => array('pegNama' => " s.si"),

    CURLOPT_HTTPHEADER =>array(

        "Authorization: Bearer ".$token

    ),

))

$dataDosen = curl_exec($curl2);

curl_close($curl2);

$manage2 = json_decode($dataDosen, true);

return $manage2;

// var_dump($manage2);

```

```

}

public function getTA(){

    $this->db-
>select('data_skripsi.*, dosen.nama_dosen as nama_dosen, mahasiswa.nama as nama_mahasiswa' )
;

    $this->db->from('data_skripsi');

    $this->db->where('sk_pembimbing !=', null);

    $this->db->where('data_skripsi.kd_prodi', $this->session->userdata('prodi'));

    $this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim', 'right');

    $this->db-
>join('dosen', 'dosen.nip=data_skripsi.nip_pembimbing_utama', 'dosen.nip = data_skripsi.nip_pem
bimbing_pertama','left');

    return $this->db->get()->result_array();

}

public function detailTA($nim){

    $this->db->select('*');

    $this->db->from('data_skripsi');

    $this->db->where('data_skripsi.nim', $nim);

    $this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim');

    $this->db->join('dosen ', 'data_skripsi.nip_pembimbing_utama=dosen.nip', 'left');

    $this->db->join('dosen_penguji', 'data_skripsi.nip_penguji1=dosen_penguji.nip', 'left');

    $this->db->join('jurusan', 'jurusan.kd_jurusan=data_skripsi.kd_jurusan');

    $this->db->join('prodi', 'prodi.kd_prodi=data_skripsi.kd_prodi');

    return $this->db->get()->row_array();

}

public function getPembimbingPenguji($nim){

    $this->db->select('*');

```

```

$this->db->from('data_skripsi');

$this->db->where('data_skripsi.nim', $nim);

$this->db->join('dosen', 'data_skripsi.nip_pembimbing_pertama=dosen.nip', 'left');

$this->db->join('dosen_penguji', 'data_skripsi.nip_penguji2=dosen_penguji.nip', 'left');

return $this->db->get()->row_array();
}

public function insertPenguji(){

    $Dosen = $this->getAPI(); //ambil data dosen

    foreach ($Dosen as $dosenku) :

        if ($dosenku['pegNip']==$this->input->post('Penguji1')) {

            $pembimbingNama = $dosenku['pegNamaGelar'];

            }

        endforeach;

        $dataDosen = [

            "nama_penguji" => $pembimbingNama,

            "nip" => $this->input->post('Penguji1')

        ];

        $query = $this->getDosenPenguji();

        foreach ($query as $row) {

            }

            if ($row['nip'] = $this->input->post('Penguji1'))

                {

                    $this->db->replace('dosen_penguji', $dataDosen);

                }

            else {

```

```

$this->db->insert('dosen_penguji', $dataDosen);

}

$this->db->set('nip_penguji1', $this->input->post('Penguji1'));

$this->db->from('data_skripsi');

$this->db->where('nim', $this->input->post('nim'));

$this->db->update('data_skripsi');

}

public function insertPenguji2(){

    $Dosen = $this->getAPI(); //ambil data dosen

    foreach ($Dosen as $dosenku) :

        if ($dosenku['pegNip']==$this->input->post('Penguji2')) {

            $pembimbingNama = $dosenku['pegNamaGelar'];

            }

        endforeach;

        $dataDosen = [

            "nama_penguji" => $pembimbingNama,

            "nip" => $this->input->post('Penguji2')

        ];

        $query = $this->getDosenPenguji();

        foreach ($query as $row) {

            }

            if ($row['nip'] == $this->input->post('Penguji2'))

                {

                    $this->db->replace('dosen_penguji', $dataDosen);

                }

}

```

```

else {
    $this->db->insert('dosen_penguji', $dataDosen);
}

$this->db->set('nip_penguji2', $this->input->post('Penguji2'));

$this->db->from('data_skripsi');

$this->db->where('nim', $this->input->post('nim'));

$this->db->update('data_skripsi');
}
}

```

- **Lampiran 14** Script Controller Ketua Prodi

```

<?php
defined('BASEPATH') or exit('No direct script access allowed');

class Kps extends CI_Controller
{
    public function __construct()
    {
        parent::__construct();

        $this->load->library('form_validation');

        $this->load->library('curl');

        $this->load->model('Main_models');

        $this->load->model('Kps_model');
    }

    public function index()
    {
        $data['title'] = "Ketua Prodi";
    }
}

```



```

    $data['user'] = $this->Main_models->getUser();

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    $this->load->view('templates/dashboard_topbar', $data);

    $this->load->view('kaprodi/index', $data);

    $this->load->view('templates/dashboard_footer');
}

public function tambahPenguji()
{
    $data['title'] = "Ketua Prodi";

    $data['user'] = $this->Main_models->getUser();

    $data['ta'] = $this->Kps_model->getTA();

    $data['dosen'] = $this->Kps_model->getAPI();

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    $this->load->view('templates/dashboard_topbar', $data);

    $this->load->view('kaprodi/dataMahasiswa', $data);

    $this->load->view('templates/dashboard_footer');
}

public function usulkanPenguji(){
    $nim = $this->input->post('nim');

    $this->Kps_model->insertPenguji();

    redirect('Kps/detail/' . $nim);
}

```

```

public function usulkanPenguji2(){

    $nim = $this->input->post('nim');

    $this->Kps_model->insertPenguji2();

    redirect('Kps/detail/' . $nim);

}

public function detail($nim)

{

    $data['title'] = "Detail";

    $data['ta'] = $this->Kps_model->detailTA($nim);

    $data['dosen'] = $this->Kps_model->getAPI();

    $data['user'] = $this->Main_models->getUser();

    $data['dosen2'] = $this->Kps_model->getPembimbingPenguji($nim)

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    $this->load->view('templates/dashboard_topbar', $data);

    $this->load->view('kaprodi/detail', $data);

    $this->load->view('templates/dashboard_footer');

}

}

```

- **Lampiran 15** Script Model Departemen

```

<?php

class Admin_model extends CI_Model

{

    public function __construct()

```

```

{
    parent::__construct();
}

public function getAllUsers()
{
    $this->db->select('Nama, Username, role_id');
    $this->db->from('users');
    return $this->db->get()->result();
}

public function getAllMahasiswa()
{
    $this->db->select('Nama, NIM, Jurusan, Judul, Pembimbing, Sks, Status');
    $this->db->from('mahasiswa');
    return $this->db->get()->result();
}

public function getAllTA()
{
    $this->db->select('data_skripsi.*, dosen.nama_dosen as nama_dosen, mahasiswa.nama as nama_mahasiswa,
prodi.nama_prodi as prodi, jurusan.nama_jurusan as jurusan');
    $this->db->from('data_skripsi');
    $this->db->where('nip_penguji1 !=', null);
    $this->db->where('nip_penguji2 !=', null);
    $this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim');
    $this->db->join('prodi', 'prodi.kd_prodi=data_skripsi.kd_prodi');
    $this->db->join('jurusan', 'jurusan.kd_jurusan=data_skripsi.kd_jurusan');
}

```

```

        $this->db-
>join('dosen', 'dosen.nip=data_skripsi.nip_pembimbing_utama', 'dosen.nip = data_skripsi.nip_pem
bimbing_pertama','left');

        return $this->db->get()->result_array();

    }

    public function detailTA($nim){

        $this->db->select('*');

        $this->db->from('data_skripsi');

        $this->db->where('data_skripsi.nim', $nim);

        $this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim');

        $this->db->join('dosen ', 'data_skripsi.nip_pembimbing_utama=dosen.nip', 'left');

        $this->db->join('dosen_penguji', 'data_skripsi.nip_penguji1=dosen_penguji.nip', 'left');

        $this->db->join('jurusan', 'jurusan.kd_jurusan=data_skripsi.kd_jurusan');

        $this->db->join('prodi', 'prodi.kd_prodi=data_skripsi.kd_prodi');

        return $this->db->get()->row_array();

    }

    public function getPembimbingPenguji($nim){

        $this->db->select('*');

        $this->db->from('data_skripsi');

        $this->db->where('data_skripsi.nim', $nim);

        $this->db->join('dosen', 'data_skripsi.nip_pembimbing_pertama=dosen.nip', 'left');

        $this->db->join('dosen_penguji', 'data_skripsi.nip_penguji2=dosen_penguji.nip', 'left');

        return $this->db->get()->row_array();

    }

    public function getAllDosen()

    {

```

```

$this->db->select('*');

$this->db->from('dosen');

return $this->db->get()->result();
}

public function getSurat($manage2 = null)
{
    //koneksi ke rest server

    $curl = curl_init();

    $curl2 = curl_init();

    curl_setopt_array($curl, array(

    CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/login",

    CURLOPT_RETURNTRANSFER => true,

    CURLOPT_ENCODING => "",

    CURLOPT_MAXREDIRS => 10,

    CURLOPT_TIMEOUT => 0,

    CURLOPT_FOLLOWLOCATION => true,

    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,

    CURLOPT_CUSTOMREQUEST => "POST",

    CURLOPT_POSTFIELDS => array('userAccount' => 'hendra','userPassword' => '123456'),

    ));

    $response = curl_exec($curl);

    //ambil token

    curl_close($curl);

    $manage = json_decode($response, true);

    $token = $manage["token"];

```

```

curl_setopt_array($curl2, array(
    CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/surat",
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => "",
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => "GET",
    CURLOPT_POSTFIELDS => array('suratNomor'),
    CURLOPT_HTTPHEADER =>array(
        "Authorization: Bearer ".$token
    ),
));

$dataSurat = curl_exec($curl2);

curl_close($curl2);

$manage2 = json_decode($dataSurat, true);

return $manage2;

// var_dump($manage2);
}

public function suratUsulan(){ //simpan nomor surat ke database aplikasi
    $this->db->set('surat_usulan', $this->input->post('Surat'));

    $this->db->where('nim', $this->input->post('nim'));

    $this->db->update('data_skripsi');
}

```

```

public function suratUsulanPenguji(){ //simpan nomor surat ke database aplikasi

    $this->db->set('surat_usulan_penguji', $this->input->post('Surat'));

    $this->db->where('nim', $this->input->post('nim'));

    $this->db->update('data_skripsi');

}

}

```

- **Lampiran 16** Script Controller Departemen

```

<?php

defined('BASEPATH') or exit('No direct script access allowed');

class Admin extends CI_Controller

{

    public function __construct()

    {

        parent::__construct();

        $this->load->model('Main_models');

        $this->load->model('Admin_model');

    }

    public function index()

    {

        $data['title'] = "Admin";

        $data['user'] = $this->Main_models->getUser();

        $this->load->view('templates/dashboard_header', $data);

        $this->load->view('templates/dashboard_sidebar', $data);

        $this->load->view('templates/dashboard_topbar', $data);

```

```

    $this->load->view('admin/index', $data);

    $this->load->view('templates/dashboard_footer');
}

public function users()
{
    $data['title'] = "Data Users";

    $data['user'] = $this->Main_models->getUser();

    $data['users'] = $this->Admin_model->getAllUsers();

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    $this->load->view('templates/dashboard_topbar', $data);

    $this->load->view('admin/users', $data);

    $this->load->view('templates/dashboard_footer');
}

public function mahasiswa()
{
    $data['title'] = "Data Mahasiswa";

    $data['user'] = $this->Main_models->getUser();

    $data['mhs'] = $this->Admin_model->getAllMahasiswa();

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    $this->load->view('templates/dashboard_topbar', $data);

    $this->load->view('admin/mahasiswa', $data);

    $this->load->view('templates/dashboard_footer');
}

```



```

public function dataTA()
{
    $data['title'] = "Data Tugas Akhir";

    $data['user'] = $this->Main_models->getUser();

    $data['ta'] = $this->Admin_model->getAllTA();

    $data['surat'] = $this->Admin_model->getSurat();

    $this->load->view('templates/dashboard_header', $data);
    $this->load->view('templates/dashboard_sidebar', $data);
    $this->load->view('templates/dashboard_topbar', $data);
    $this->load->view('admin/dataTA', $data);

    $this->load->view('templates/dashboard_footer');
}

public function dataDosen()
{
    $data['title'] = "Data Dosen";

    $data['user'] = $this->Main_models->getUser();

    $data['Dosen'] = $this->Admin_model->getAllDosen();

    $this->load->view('templates/dashboard_header', $data);
    $this->load->view('templates/dashboard_sidebar', $data);
    $this->load->view('templates/dashboard_topbar', $data);
    $this->load->view('admin/dataDosen', $data);

    $this->load->view('templates/dashboard_footer');
}

public function detail($nim)
{

```

```

    $data['title'] = "Detail";

    $data['ta'] = $this->Admin_model->detailTA($nim);

    $data['surat'] = $this->Admin_model->getSurat();

    $data['user'] = $this->Main_models->getUser();

    $data['dosen'] = $this->Admin_model->getPembimbingPenguji($nim);

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    $this->load->view('templates/dashboard_topbar', $data);

    $this->load->view('admin/detail', $data);

    $this->load->view('templates/dashboard_footer');

}

public function cetakUsulan(){

    $nim = $this->input->post('nim' , true);

    $data['ta'] = $this->Admin_model->getAllTA();

    // $data['surat'] = $this->Kalab_model->getSurat();

    $data['title'] = "Cek Kelayakan Judul";

    $data['user'] = $this->Main_models->getUser();

    $this->Admin_model->suratUsulan();

    return redirect('Admin/cetak/" . $nim);

}

public function cetakUsulanPenguji(){

    $nim = $this->input->post('nim' , true);

    $data['ta'] = $this->Admin_model->getAllTA();

    // $data['surat'] = $this->Kalab_model->getSurat();

    $data['title'] = "Cek Kelayakan Judul";

```

```

    $data['user'] = $this->Main_models->getUser();

    $this->Admin_model->suratUsulanPenguji();

    return redirect('Admin/cetakPenguji' . $nim);
}

public function cetak($nim){
    // $nim = $this->uri->segment('3');

    $data['user'] = $this->Main_models->getUser();

    $data['ta'] = $this->Admin_model->detailTA($nim);

    $data['dosen'] = $this->Admin_model->getPembimbingPenguji($nim);

    // $data['sk'] = $this->Kalab_model->Surat($nim);

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    // $this->load->view('templates/dashboard_topbar', $data);

    $this->load->view('admin/usulanPembimbing', $data);

    $this->load->view('templates/dashboard_footer');
}

public function cetakPenguji($nim){
    // $nim = $this->uri->segment('3');

    $data['user'] = $this->Main_models->getUser();

    $data['ta'] = $this->Admin_model->detailTA($nim);

    $data['dosen'] = $this->Admin_model->getPembimbingPenguji($nim);

    // $data['sk'] = $this->Kalab_model->Surat($nim);

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    // $this->load->view('templates/dashboard_topbar', $data);

```

```

$this->load->view('admin/usulanPenguji', $data);

$this->load->view('templates/dashboard_footer');
}

public function printUsulanPembimbing($nim){
    $this->load->library('dompdf_gen');

    $data['user'] = $this->Main_models->getUser();
    $data['ta'] = $this->Admin_model->detailTA($nim);
    $data['dosen'] = $this->Admin_model->getPembimbingPenguji($nim);
    $this->load->view('templates/dashboard_header', $data);
    // $this->load->view('templates/dashboard_sidebar', $data);
    $this->load->view('admin/usulanPembimbing', $data);
    $this->load->view('templates/dashboard_footer');

    $paper_size = 'A4';
    $orientation = 'portrait';

    $html = $this->output->get_output();
    $this->dompdf->set_paper($paper_size, $orientation);
    $this->dompdf->load_html($html);
    $this->dompdf->render();
    $this->dompdf->stream("Penugasan Pembimbing.pdf", array('Attachment' => false));
}

public function printUsulanPenguji($nim){
    $data['user'] = $this->Main_models->getUser();
    $data['ta'] = $this->Admin_model->detailTA($nim);
    $data['dosen'] = $this->Admin_model->getPembimbingPenguji($nim);

```

```

$this->load->view('admin/pdfPenguji');

$paper_size = 'A4';

$orientation = 'portrait';

$html = $this->output->get_output();

$this->dompdf->set_paper($paper_size, $orientation);

$this->dompdf->load_html($html);

$this->dompdf->render();

$this->dompdf->stream("usulan_Penguji.pdf", array('Attachment' => false));

}

}

```

- **Lampiran 17** Script Model Fakultas

```

<?php

class Fakultas_model extends CI_Model

{

    public function __construct()

    {

        parent::__construct();

    }

    public function getAllUsers()

    {

        $this->db->select('Nama, Username, role_id');

        $this->db->from('users');

        return $this->db->get()->result();

    }

    public function getTA(){

```

```

    $this->db-
>select('data_skripsi.*, dosen.nama_dosen as nama_dosen, mahasiswa.nama as nama_mahasiswa,
prodi.nama_prodi as prodi, jurusan.nama_jurusan as jurusan' );

    $this->db->from('data_skripsi');

    $this->db->where('surat_usulan !=', null);

    $this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim');

    $this->db->join('prodi', 'prodi.kd_prodi=data_skripsi.kd_prodi');

    $this->db->join('jurusan', 'jurusan.kd_jurusan=data_skripsi.kd_jurusan');

    $this->db-
>join('dosen', 'dosen.nip=data_skripsi.nip_pembimbing_utama', 'dosen.nip = data_skripsi.nip_pem
bimbing_pertama', 'left');

    return $this->db->get()->result_array();

}

public function detailTA($nim){

    $this->db->select('*');

    $this->db->from('data_skripsi');

    $this->db->where('data_skripsi.nim', $nim);

    $this->db->join('mahasiswa', 'mahasiswa.nim=data_skripsi.nim');

    $this->db->join('dosen ', 'data_skripsi.nip_pembimbing_utama=dosen.nip', 'left');

    $this->db->join('dosen_penguji', 'data_skripsi.nip_penguji1=dosen_penguji.nip', 'left');

    $this->db->join('jurusan', 'jurusan.kd_jurusan=data_skripsi.kd_jurusan');

    $this->db->join('prodi', 'prodi.kd_prodi=data_skripsi.kd_prodi');

    return $this->db->get()->row_array();

}

public function getPembimbingPenguji($nim){

    $this->db->select('*');

    $this->db->from('data_skripsi');

```

```

$this->db->where('data_skripsi.nim', $nim);

$this->db->join('dosen', 'data_skripsi.nip_pembimbing_pertama=dosen.nip', 'left');

$this->db->join('dosen_penguji', 'data_skripsi.nip_penguji2=dosen_penguji.nip', 'left');

return $this->db->get()->row_array();
}

public function getSurat($manage2 = null)
{
    //koneksi ke rest server

    $curl = curl_init();

    $curl2 = curl_init();

    curl_setopt_array($curl, array(

    CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/login",

    CURLOPT_RETURNTRANSFER => true,

    CURLOPT_ENCODING => "",

    CURLOPT_MAXREDIRS => 10,

    CURLOPT_TIMEOUT => 0,

    CURLOPT_FOLLOWLOCATION => true,

    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,

    CURLOPT_CUSTOMREQUEST => "POST",

    CURLOPT_POSTFIELDS => array('userAccount' => 'hendra','userPassword' => '123456'),

    ));

    $response = curl_exec($curl);

    //ambil token

    curl_close($curl);

    $manage = json_decode($response, true);

```

```

$token = $manage["token"];
curl_setopt_array($curl2, array(
    CURLOPT_URL => "http://perencanaan.unhas.ac.id:8091/surat",
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => "",
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => "GET",
    CURLOPT_POSTFIELDS => array('suratNomor'),
    CURLOPT_HTTPHEADER =>array(
        "Authorization: Bearer ".$token
    ),
));

$dataSurat = curl_exec($curl2);
curl_close($curl2);
$manage2 = json_decode($dataSurat, true);
return $manage2;

// var_dump($manage2);
}

public function penugasanPembimbing(){
    $this->db->set('surat_penugasan_pembimbing', $this->input->post('Surat'));
    $this->db->where('nim', $this->input->post('nim'));
    $this->db->update('data_skripsi');
}

```



```

    }

    public function penugasanPenguji(){

        $this->db->set('surat_penugasan_penguji', $this->input->post('Surat'));

        $this->db->where('nim', $this->input->post('nim'));

        $this->db->update('data_skripsi');

    }

}

```

- **Lampiran 18** Script Controller Fakultas

```

<?php

defined('BASEPATH') or exit('No direct script access allowed');

class Fakultas extends CI_Controller

{

    public function __construct()

    {

        parent::__construct();

        $this->load->library('form_validation');

        $this->load->library('curl');

        $this->load->model('Main_models');

        $this->load->model('Fakultas_model');

    }

    public function index()

    {

        $data['title'] = "Fakultas MIPA";

        $data['user'] = $this->Main_models->getUser();

        $this->load->view('templates/dashboard_header', $data);

    }

}

```

```

$this->load->view('templates/dashboard_sidebar', $data);
$this->load->view('templates/dashboard_topbar', $data);
$this->load->view('fakultas/index', $data);
$this->load->view('templates/dashboard_footer');
}

public function TA_Mahasiswa(){
    $data['title'] = "Info Tugas Akhir Mahasiswa";
    $data['user'] = $this->Main_models->getUser();
    $data['ta'] = $this->Fakultas_model->getTA();
    $this->load->view('templates/dashboard_header', $data);
    $this->load->view('templates/dashboard_sidebar', $data);
    $this->load->view('templates/dashboard_topbar', $data);
    $this->load->view('fakultas/ta_mahasiswa', $data);
    $this->load->view('templates/dashboard_footer');
}

public function detail($nim){
    $data['title'] = "Detail";
    $data['ta'] = $this->Fakultas_model->detailTA($nim);
    $data['surat'] = $this->Fakultas_model->getSurat();
    $data['user'] = $this->Main_models->getUser();
    $data['dosen'] = $this->Fakultas_model->getPembimbingPenguji($nim);
    $this->load->view('templates/dashboard_header', $data);
    $this->load->view('templates/dashboard_sidebar', $data);
    $this->load->view('templates/dashboard_topbar', $data);
    $this->load->view('fakultas/detail', $data);
}

```

```

        $this->load->view('templates/dashboard_footer');
    }

    public function cetakPenugasanPembimbing(){
        $nim = $this->input->post('nim' , true);

        //$data['ta'] = $this->Admin_model->getAllTA();

        //$data['user'] = $this->Main_models->getUser();

        $this->Fakultas_model->penugasanPembimbing();

        return redirect('Fakultas/cetakPembimbing/' . $nim);
    }

    public function cetakPenugasanPenguji(){
        $nim = $this->input->post('nim' , true);

        //$data['ta'] = $this->Admin_model->getAllTA();

        //$data['user'] = $this->Main_models->getUser();

        $this->Fakultas_model->penugasanPenguji();

        return redirect('Fakultas/cetakPenguji/' . $nim);
    }

    public function cetakPembimbing($nim){

        // $nim = $this->uri->segment('3');

        $data['user'] = $this->Main_models->getUser();

        $data['ta'] = $this->Fakultas_model->detailTA($nim);

        $data['dosen'] = $this->Fakultas_model->getPembimbingPenguji($nim);

        // $data['sk'] = $this->Kalab_model->Surat($nim);

        $this->load->view('templates/dashboard_header', $data);

        $this->load->view('templates/dashboard_sidebar', $data);
    }

```

```

// $this->load->view('templates/dashboard_topbar', $data);

$this->load->view('fakultas/penugasanPembimbing', $data);

$this->load->view('templates/dashboard_footer');
}

public function cetakPenguji($nim){
    // $nim = $this->uri->segment('3');

    $data['user'] = $this->Main_models->getUser();

    $data['ta'] = $this->Fakultas_model->detailTA($nim);

    $data['dosen'] = $this->Fakultas_model->getPembimbingPenguji($nim);

    // $data['sk'] = $this->Kalab_model->Surat($nim);

    $this->load->view('templates/dashboard_header', $data);

    $this->load->view('templates/dashboard_sidebar', $data);

    // $this->load->view('templates/dashboard_topbar', $data);

    $this->load->view('fakultas/penugasanPenguji', $data);

    $this->load->view('templates/dashboard_footer');
}

public function pdfPembimbing($nim){

    $data['ta'] = $this->Fakultas_model->detailTA($nim);

    $data['dosen'] = $this->Fakultas_model->getPembimbingPenguji($nim);

    $this->load->view('fakultas/pdfPembimbing', $data);

    $paper_size = 'A4';

    $orientation = 'portrait';

    $html = $this->output->get_output();

    $this->dompdf->set_paper($paper_size, $orientation);

    $this->dompdf->load_html($html);
}

```

```

$this->dompdf->render();

$this->dompdf->stream("Penugasan_Pembimbing.pdf", array('Attachment' => false));
}

public function pdfPenguji($nim){
    $data['ta'] = $this->Fakultas_model->detailTA($nim);
    $data['dosen'] = $this->Fakultas_model->getPembimbingPenguji($nim);

    $this->load->view('fakultas/pdfPenguji', $data);
    $paper_size = 'A4';
    $orientation = 'portrait';
    $html = $this->output->get_output();
    $this->dompdf->set_paper($paper_size, $orientation);
    $this->dompdf->load_html($html);
    $this->dompdf->render();
    $this->dompdf->stream("Penugasan_Penguji.pdf", array('Attachment' => false));
}
}

```

- **Lampiran 19** Script Konfigurasi Notifikasi Ke Email (PHPMailer)

```

<?php defined('BASEPATH') OR exit('No direct script access allowed');

use PHPMailer\PHPMailer\PHPMailer;
use PHPMailer\PHPMailer\Exception;

class Mailer {
    protected $_ci;

    protected $email_pengirim = 'hendriantosubair69@gmail.com'; // Isikan dengan email pengirim
    protected $nama_pengirim = 'Hendrianto Subair'; // Isikan dengan nama pengirim

```

```

protected $password = '12345anto'; // Isikan dengan password email pengirim

public function __construct(){

    $this->_ci = &get_instance(); // Set variabel _ci dengan Fungsi2-fungsi dari Codeigniter

    require_once(APPPATH.'third_party/phpmailer/Exception.php');

    require_once(APPPATH.'third_party/phpmailer/PHPMailer.php');

    require_once(APPPATH.'third_party/phpmailer/SMTP.php');

}

public function send($data){

    $mail = new PHPMailer;

    $mail->isSMTP();

    $mail->Host = 'smtp.gmail.com';

    $mail->Username = $this->email_pengirim; // Email Pengirim

    $mail->Password = $this->password; // Isikan dengan Password email pengirim

    $mail->Port = 465;

    $mail->SMTPAuth = true;

    $mail->SMTPSecure = 'ssl';

    // $mail->SMTPDebug = 2; // Aktifkan untuk melakukan debugging

    $mail->setFrom($this->email_pengirim, $this->nama_pengirim);

    $mail->addAddress($data['email_penerima'], "");

    // $mail->isHTML(true); // Aktifkan jika isi emailnya berupa html

    $mail->Subject = $data['subjek'];

    $mail->Body = $data['pesan'];

    // $mail-
    >AddEmbeddedImage('image/logo.png', 'logo_mynotescode', 'logo.png'); // Aktifkan jika ingin men
    ampilkan gambar dalam email

```

```

$send = $mail->send();

if($send){ // Jika Email berhasil dikirim

    $response = array('status'=>'Sukses', 'message'=>'Email berhasil dikirim');

}else{ // Jika Email Gagal dikirim

    $response = array('status'=>'Gagal', 'message'=>'Email gagal dikirim');

}

return $response;

}

public function send_with_attachment($data){

    $mail = new PHPMailer;

    $mail->isSMTP();

    $mail->Host = 'smtp.gmail.com';

    $mail->Username = $this->email_pengirim; // Email Pengirim

    $mail->Password = $this->password; // Isikan dengan Password email pengirim

    $mail->Port = 465;

    $mail->SMTPAuth = true;

    $mail->SMTPSecure = 'ssl';

    // $mail->SMTPDebug = 2; // Aktifkan untuk melakukan debugging

    $mail->setFrom($this->email_pengirim, $this->nama_pengirim);

    $mail->addAddress($data['email_penerima'], "");

    $mail->isHTML(true); // Aktifkan jika isi emailnya berupa html

    $mail->Subject = $data['subjek'];

    $mail->Body = $data['content'];

```

```

    $mail-
    >AddEmbeddedImage('image/logo.png', 'logo_mynotescode', 'logo.png'); // Aktifkan jika ingin men
    ampilkan gambar dalam email

    if($data['attachment']['size'] <= 25000000){ // Jika ukuran file <= 25 MB (25.000.000 bytes)

        $mail->addAttachment($data['attachment']['tmp_name'], $data['attachment']['name']);

        $send = $mail->send();

        if($send){ // Jika Email berhasil dikirim

            $response = array('status'=>'Sukses', 'message'=>'Email berhasil dikirim');

        }else{ // Jika Email Gagal dikirim

            $response = array('status'=>'Gagal', 'message'=>'Email gagal dikirim');

        }

    }else{ // Jika Ukuran file lebih dari 25 MB

        $response = array('status'=>'Gagal', 'message'=>'Ukuran file attachment maksimal 25 MB');

    }

    return $response;

}

}

```