LAPORAN PRAKTIKUM PEMROGRAMAN WEBSITE LANJUT

JOBSHEET 4

Oleh :

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KELAS TI 2B

PROGRAM STUDI TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
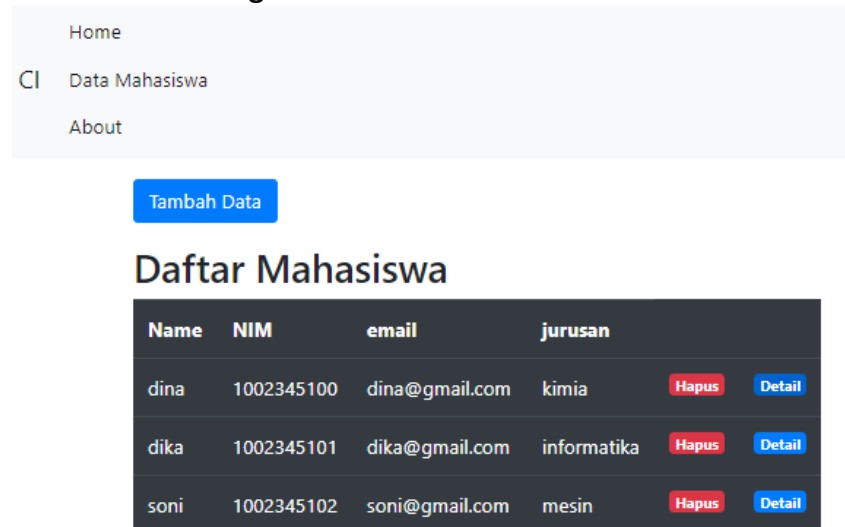# POLITEKNIK NEGERI MALANG
2020

Praktikum – Part 1: Displays detailed data from the database using CodeIgniter

1. Adding detail button into mahasiswa views to get the detailed data

```html
<div class="row mt-3">
        <div class="col-md-6">
            <h2>Daftar Mahasiswa</h2>
            <table class="table table-dark">
                <tr>
                    <th scope="col">Name</th>
                    <th scope="col">NIM</th>
                    <th scope="col">email</th>
                    <th scope="col">jurusan</th>
                </tr>
                <?php foreach ($mahasiswa as $mhs) : ?>
                    <tr>
                        <td><?= $mhs['nama']; ?></td>
                        <td><?= $mhs['nim']; ?></td>
                        <td><?= $mhs['email']; ?></td>
                        <td><?= $mhs['jurusan']; ?></td>
                        <td> <a href="<?= base_url();?>mahasiswa/hapus
/<?= $mhs['id'] ?>" class="badge badge-danger float-right"
                            onclick="return confirm('Yakin data ini akan
dihapus?')">Hapus</a></td>
                        <td> <a href="<?= base_url();?>mahasiswa/deta
il/<?= $mhs['id'] ?>" class="badge badge-primary float-right"
                            >Detail</a></td>
                    </tr>
                <?php endforeach; ?>
            </table>
```
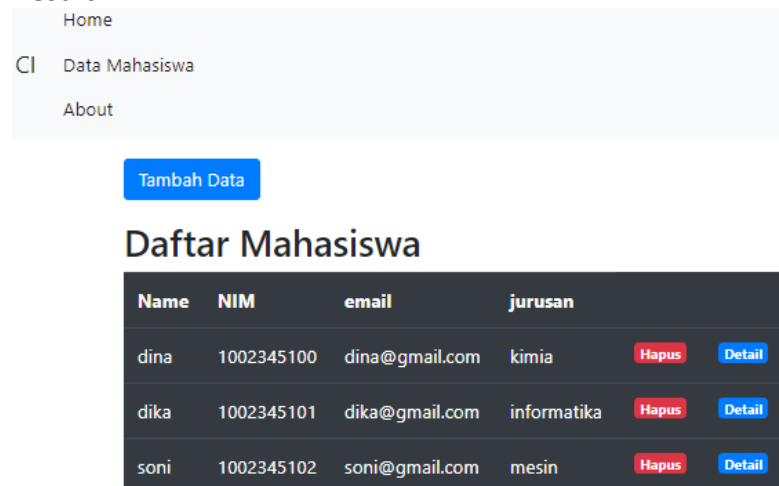
```
        </div>
      </div>
```

Result after adding code

2. Adding the css to make the badges interface more attractive

```
<style>
    .badge{
      margin-left: 3px;
    }
  </style>
```

Result

3. Make the detail controller in mahasiswa controller to get the button worked

```
public function detail($id)
```

```
        {
            $data['title']='Detail Mahasiswa';
            $data['mahasiswa']=$this->mahasiswa_model-
>getmahasiswaByID($id);
            $this->load->view('template/header', $data);
            $this->load->view('mahasiswa/detail', $data);
            $this->load->view('template/footer');


        }
```

4. Adding the detail function in the mahasiswa controller

```
public function getmahasiswaByID($id){
            return $this->db->get_where('mahasiswa',['id'=>$id])-
>row_array();
        }
```

5. We create the contents for the detail of database (detail.php)

```html
<div class="container">
    <div class="row mt-3">
        <div class="col-md-6">
            <div class="card">
                <div class="card-header">
                    Detail Data Mahasiswa
                </div>
                <div class="card-body">
                    <h5 class="card-
title"><?= $mahasiswa['nama']; ?></h5>
                    <p class="card-text">
                        <label for=""><b>Email</b></label>
                        <?= $mahasiswa['email'];?>
                    </p>
                    <p class="card-text">
                        <label for=""><b>Nim</b></label>
                        <?= $mahasiswa['nim'];?>
                    </p>
                    <p class="card-text">
                        <label for=""><b>Jurusan</b></label>
                        <?= $mahasiswa['jurusan'];?>
                    </p>
```

```
                        <a href="<?= base_url();?>mahasiswa" class="btn bt
n-primary">Kembali</a>
                    </div>
                </div>
            </div>
        </div>
</div>
```

Result

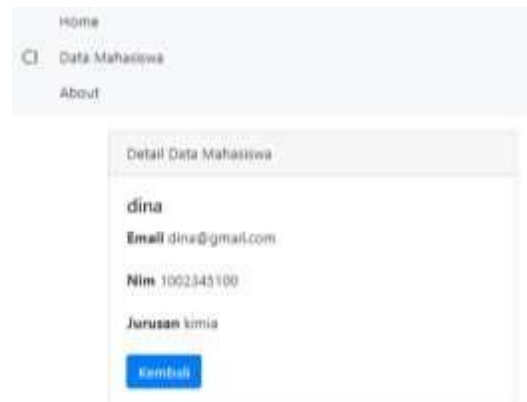**6. Adding edit button code in the index to create the edit button**

```
<div class="row mt-3">
        <div class="col-md-6">
            <h2>Daftar Mahasiswa</h2>
            <table class="table table-dark">
                <tr>
                    <th scope="col">Name</th>
                    <th scope="col">NIM</th>
                    <th scope="col">email</th>
                    <th scope="col">jurusan</th>
                </tr>
                <?php foreach ($mahasiswa as $mhs) : ?>
                    <tr>
                        <td><?= $mhs['nama']; ?></td>
                        <td><?= $mhs['nim']; ?></td>
                        <td><?= $mhs['email']; ?></td>
                        <td><?= $mhs['jurusan']; ?></td>
                        <td> <a href="<?= base_url();?>mahasiswa/hapus
/<?= $mhs['id']; ?>" class="badge badge-danger float-right"
```

```
                        onclick="return confirm('Yakin data ini akan
dihapus?')">Hapus</a></td>
                        <td> <a href="<?= base_url();?>mahasiswa/edit
/<?= $mhs['id']; ?>" class="badge badge-success float-right"
                        >Edit</a></td>
                        <td> <a href="<?= base_url();?>mahasiswa/detai
l/<?= $mhs['id']; ?>" class="badge badge-primary float-right"
                        >Detail</a></td>
                    </tr>
                <?php endforeach; ?>
            </table>
        </div>
    </div>
```
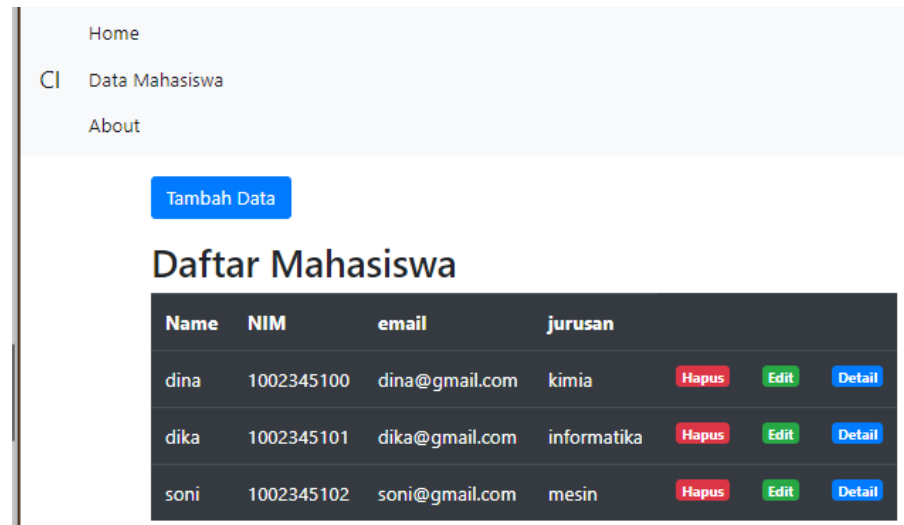
Result

7. Creating the edit controller to get the button worked

```
public function edit($id)
        {
            $data['title']='Form Edit Data Mahasiswa';
            $data['mahasiswa']=$this->mahasiswa_model-
>getmahasiswaByID($id);
            $this->form_validation-
>set_rules('nama', 'Nama', 'required');
            $this->form_validation-
>set_rules('nim', 'Nim', 'required|numeric');
            $this->form_validation-
>set_rules('email', 'Email', 'required|valid_email');
```

```php
            if($this->form_validation->run() == FALSE){
                $this->load->view('template/header',$data);
                $this->load->view('mahasiswa/edit',$data);
                $this->load->view('template/footer');
            }else{
                $this->mahasiswa_model->ubahdatamhs();
                $this->session->set_flashdata('flash-data','diedit');
                redirect('mahasiswa','refresh');
            }
        }
```

8. Creating a content/views of edit

```html
<div class="container">
    <div class="row mt-3">
        <div class="col-md-6">
            <div class="card">
                <div class="card-header">
                    Form Tambah Data Mahasiswa
                </div>
                <div class="card-body">
                    <?php if(validation_errors()): ?>
                        <div class="alert alert-danger" role="alert">
                            <?= validation_errors() ?>
                        </div>
                    <?php endif ?>
                    <form action="" method="POST">
                        <div class="form-group">
                            <label for="nama">Nama</label>
                            <input type="text" name="nama" class="form
-control" id="nama" placeholder="nama"
                                value="<?= $mahasiswa['nama'] ?>">
                        </div>
                        <div class="form-group">
                            <label for="nim">Nim</label>
                            <input type="number" name="nim" class="for
m-control" id="nim" placeholder="Nim"
                                value="<?= $mahasiswa['nim'] ?>">
```

```html
                        </div>
                        <div class="form-group">
                            <label for="email">email</label>
                            <input type="email" name="email" class="form-control" id="email" placeholder="your email"
                                value="<?= $mahasiswa['email'] ?>">
                        </div>
                        <div class="form-group">
                            <label for="jurusan">jurusan</label>
                            <select class="form-cotrol" name="jurusan" id="jurusan" name="jurusan">
                                <option selected>-------- </option>
                                <option value="kimia">Kimia</option>
                                <option value="informatika">Informatika</option>
                                <option value="mesin">Mesin</option>
                            </select>
                        </div>
                        <button type="submit" name="submit" class="btn btn-primary float-right">Submit</button>
                    </form>
                </div>
            </div>
        </div>
</div>
```

Result

9. Because the jurusan dropdown is can't used, we create the method with codes in the edit function

```php
public function edit($id)
        {
            $data['title']='Form Edit Data Mahasiswa';
            $data['mahasiswa']=$this->mahasiswa_model-
>getmahasiswaByID($id);
            $data['jurusan']=['Kimia', 'Informatika', 'Mesin'];
            $this->form_validation-
>set_rules('nama', 'Nama', 'required');
            $this->form_validation-
>set_rules('nim', 'Nim', 'required|numeric');
            $this->form_validation-
>set_rules('email', 'Email', 'required|valid_email');

            if($this->form_validation->run() == FALSE){
                $this->load->view('template/header',$data);
                $this->load->view('mahasiswa/edit',$data);
                $this->load->view('template/footer');
            }else{
                $this->mahasiswa_model->ubahdatamhs();
                $this->session->set_flashdata('flash-data','diedit');
```

```
                redirect('mahasiswa','refresh');
        }
    }
```

And then we make array named jurusan to create the contents of the array that are displayed later

```
<div class="form-group">
                            <label for="jurusan">jurusan</label>
                            <select class="form-
cotrol" name="jurusan" id="jurusan" name="jurusan">
                                <?php foreach($jurusan as $key): ?>
                                    <?php if($key == $mahasiswa['jurus
an']): ?>
                                        <option value="<?=$key?>" sele
cted><?= $key ?></option>
                                    <?php else : ?>
                                        <option value="<?= $key ?>"><?
= $key ?></option>
                                    <?php endif; ?>
                                <?php endforeach; ?>
                        </select>
                    </div>
```

10. Add the array jurusan in the tambah controller

```
public function tambah(){
        $data['title']='Form Menambahkan Data Mahasiswa';
        $data['jurusan']=['Kimia', 'Informatika', 'Mesin'];
        $this->form_validation-
>set_rules('nama', 'Nama', 'required');
        $this->form_validation-
>set_rules('nim', 'Nim', 'required|numeric');
        $this->form_validation-
>set_rules('email', 'Email', 'required|valid_email');
        if($this->form_validation->run() == FALSE){
            $this->load->view('template/header',$data);
            $this->load->view('mahasiswa/tambah',$data);
            $this->load->view('template/footer');
        }else{
            $this->mahasiswa_model->tambahdatamhs();
```

```php
        $this->session->set_flashdata('flash-
data','ditambahkan');
            redirect('mahasiswa','refresh');
        }
    }
```

11. Change the views of the tambah

```html
<div class="form-group">
                    <label for="jurusan">jurusan</label>
                    <select class="form-
cotrol" name="jurusan" id="jurusan" name="jurusan">
                        <?php foreach($jurusan as $key): ?>
                            <option value="<?= $key ?>" select
ed > <?= $key ?></option>
                        <?php endforeach; ?>
                    </select>
                </div>
```

12. Adding code to send the edit data based on id into database

```html
<form action="" method="POST">
                    <input type="hidden" name="id" value="<?= $mah
asiswa['id'] ?>">
                    <div class="form-group">
                        <label for="nama">Nama</label>
                        <input type="text" name="nama" class="form
-control" id="nama" placeholder="nama"
                        value="<?= $mahasiswa['nama'] ?>">
                    </div>
```

13. Add the ubahdatamhs function into the model

```php
public function ubahdatamhs(){
        $data=[
            "nama" => $this->input->post('nama',true),
            "nim" => $this->input->post('nim',true),
            "email" => $this->input->post('email',true),
            "jurusan" => $this->input->post('jurusan',true)
        ];
        $this->db->where('id', $this->input->post('id'));
        $this->db->update('mahasiswa', $data);
```

```
            }
```

14. Try to edit

Form Tambah Data Mahasiswa

Nama

| dika |

Nim

| 1002345101 |

email

| dika@gmail.com |

jurusan Kimia ▼

Edit

Form Tambah Data Mahasiswa

Nama

| catur |

Nim

| 1002345101 |

email

| dika@gmail.com |

jurusan Mesin ▼

Edit

Data Mahasiswa **Berhasil** diedit   ×

Tambah Data

Daftar Mahasiswa

Name	NIM	email	jurusan			
dina	1002345100	dina@gmail.com	kimia	**Hapus**	**Edit**	**Detail**
catur	1002345101	dika@gmail.com	Mesin	**Hapus**	**Edit**	**Detail**
soni	1002345102	soni@gmail.com	mesin	**Hapus**	**Edit**	**Detail**

Part 2: Create the Data Search

15. Adding the search button in the mahasiswa views

```html
<div class="row mt-3">
        <div class="col-md-6">
            <form action="" method="POST">
            <div class="input-group">
                <input type="text" class="form-
control" placeholder="Cari Data mahasiswa">
                <div class="input-group-append">
                    <button class="btn btn-
primary" type="Submit">Cari</button>
                </div>
            </div>
            </form>
        </div>
    </div>
```

Result

Tambah Data

Cari Data mahasiswa   Cari

Daftar Mahasiswa

Name	NIM	email	jurusan			
dina	1002345100	dina@gmail.com	kimia	Hapus	Edit	Detail
catur	1002345101	dika@gmail.com	Mesin	Hapus	Edit	Detail
soni	1002345102	soni@gmail.com	mesin	Hapus	Edit	Detail

And then set the search with name 'keyword'

```html
<div class="row mt-3">
        <div class="col-md-6">
            <form action="" method="POST">
            <div class="input-group">
                <input type="text" class="form-
control" placeholder="Cari Data mahasiswa" name="keyword">
                <div class="input-group-append">
                    <button class="btn btn-
primary" type="Submit">Cari</button>
                </div>
```

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

16. Add the index controller in mahasiswa to get the search worked

```php
public function index()
    {
        $data['title']='List Mahasiswa';
        $data['mahasiswa']=$this->mahasiswa_model-
>getAllmahasiswa();

        if($this->input->post('keyword')){
            $data['mahasiswa']=$this->mahasiswa_model-
>cariDataMahasiswa();
        }

        $this->load->view('template/header',$data);
        $this->load->view('mahasiswa/index',$data);
        $this->load->view('template/footer');
    }
```

17. add the new function into the mahasiswa_model

```php
public function cariDataMahasiswa()
    {
        $keyword=$this->input->post('keyword');
        $this->db->like('nama',$keyword);
        return $this->db->get('mahasiswa')->result_array();
    }
```

Result

18. We can add the code, so we can find using the jurusan data

```php
public function cariDataMahasiswa()
    {
        $keyword=$this->input->post('keyword');
        $this->db->like('nama',$keyword);
        $this->db->or_like('jurusan',$keyword);
        return $this->db->get('mahasiswa')->result_array();
    }
```

Result

19. We can add the alert when the data is not found

```php
<?php if(empty($mahasiswa)): ?>
            <div class="alert alert-danger" role="alert">
                Data Mahasiswa Tidak Ditemukan
            </div>
        <?php endif; ?>
```

Result