

LAPORAN JOBSHEET 2 PEMROGRAMAN WEB LANJUT
Read dan Input Database serta Form Validation



Dibuat Oleh :

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**JURUSAN TEKNOLOGI INFORMASI,
PRODI D-IV TEKNIK INFORMATIKA
POLINEMA 2020/2021**

Praktikum 1

| No | Laporan |
|----|--|
| 1 | <pre> public function index() { \$this->load->database(); \$data['title']='List Mahasiswa'; \$this->load->view('template/header',\$data); \$this->load->view('Mahasiswa/index'); \$this->load->view('template/footer'); } </pre> |
| 2 | <pre> public function __construct() { parent::__construct(); \$this->load->database(); } </pre> |
| 3 | <pre> \$autoload['libraries'] = array('database'); </pre> |

4

```

$active_group = 'default';
$query_builder = TRUE;

$db['default'] = array(
    'dsn' => '',
    'hostname' => 'localhost',
    'username' => 'root',
    'password' => '',
    'database' => 'kuliah_CI',
    'dbdriver' => 'mysqli',
    'dbprefix' => '',
    'pconnect' => FALSE,
    'db_debug' => (ENVIRONMENT !== 'production'),
    'cache_on' => FALSE,
    'cachedir' => '',
    'char_set' => 'utf8',
    'dbcollat' => 'utf8_general_ci',
    'swap_pre' => '',
    'encrypt' => FALSE,
    'compress' => FALSE,
    'stricton' => FALSE,
    'failover' => array(),
    'save_queries' => TRUE
);

```

5

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|--------------------------|------|----------------|--------------|-------------------|------|---------|----------|----------------|--------------------|
| <input type="checkbox"/> | 1 | id | int(30) | | No | None | | AUTO_INCREMENT | Change Drop More |
| <input type="checkbox"/> | 2 | nama | varchar(100) | latin1_swedish_ci | No | None | | | Change Drop More |
| <input type="checkbox"/> | 3 | nim | varchar(50) | latin1_swedish_ci | No | None | | | Change Drop More |
| <input type="checkbox"/> | 4 | email | varchar(50) | latin1_swedish_ci | No | None | | | Change Drop More |
| <input type="checkbox"/> | 5 | jurusan | varchar(50) | latin1_swedish_ci | No | None | | | Change Drop More |

6

| + Options | | | | | | |
|--------------------------|--------------------|----|------|------------|----------------|-------------|
| | | | | | | |
| | | id | nama | nim | email | jurusan |
| <input type="checkbox"/> | Edit Copy Delete | 1 | Dina | 1841720199 | dina@gmail.com | Kimia |
| <input type="checkbox"/> | Edit Copy Delete | 2 | Dika | 1841720187 | Dika@gmail.com | Informatika |
| <input type="checkbox"/> | Edit Copy Delete | 3 | Soni | 1841720154 | Soni@gmail.com | Mesin |

| | |
|---|--|
| 7 | <pre> <?php defined('BASEPATH') OR exit('No direct script access allowed'); class mahasiswa_model extends CI_Model { public function getAllmahasiswa() { \$query=\$this->db->get('mahasiswa'); return \$query->result_array(); } } </pre> |
| 8 | <pre> public function index() { \$this->load->model('mahasiswa_model'); //\$this->load->database(); \$data['title']='List Mahasiswa'; \$data['mahasiswa']=\$this->mahasiswa_model->getAllmahasiswa(); \$this->load->view('template/header',\$data); \$this->load->view('Mahasiswa/index',\$data); \$this->load->view('template/footer'); } </pre> |
| 9 | <p>Jobsheet2 > Code-Kedua > application > views > Mahasiswa > index.php</p> <pre> 1 <?php 2 var_dump(\$mahasiswa); 3 4 5 <div class="container"> 6 <div class="row mt-3"> 7 <div class="col-md-6"> 8 <h2>Daftar Mahasiswa</h2> 9 <ul class="list-group"> 10 <li class="list-group-item">Cras justo odio 11 <li class="list-group-item">Dapibus ac 12 <li class="list-group-item">Morbi Leo 13 <li class="list-group-item">Porta ac 14 <li class="list-group-item">Vestibulum at 15 16 </div> 17 </div> 18 </div> </pre> |

</

Praktikum 2

| No | Laporan |
|----|--|
| 1 | <pre> 3 <div class="col-md-6"> 4 Tambah Data 5 </div> </pre> |
| 2 | <pre> 8 9 function __construct() { 10 parent::__construct(); 11 \$this->load->model('mahasiswa_model'); 12 } </pre> |
| 3 | <pre> 25 public function tambah() 26 { 27 //\$this->load->database(); 28 \$data['title']='Form Menambah Data Mahasiswa'; 29 \$this->load->view('template/header',\$data); 30 \$this->load->view('Mahasiswa/tambah',\$data); 31 \$this->load->view('template/footer'); 32 } </pre> |
| 4 | <pre> <div class="card"> <div class="card-header"> Form tambah data mahasiswa </div> <div class="card-body"> <form action="" method="post"> <div class="form-group"> <label for="nama">Nama</label> <input type="text" class="form-control" id="nama"> </div> <div class="form-group"> <label for="nim">Nim</label> <input type="number" class="form-control" id="nim"> </div> <div class="form-group"> <label for="email">Email</label> <input type="email" class="form-control" id="email"> </div> <div class="form-group"> <label for="jurusan">Jurusan</label> <select name="jurusan" id="jurusan" class="form-control"> <option selected>----</option> <option value="1">Kimia</option> <option value="2">Informatika</option> <option value="3">Mesin</option> </select> </div> </form> </div> </div> </pre> |

5

localhost/Jobsheet2/Code-Kedua/mahasiswa/tambah

CI Home Data Mahasiswa About

Form tambah data mahasiswa

Nama

Nim

Email

Jurusan

Submit

6

```
<a href="<?php base_url(''); ?>Mahasiswa/tambah" c
```

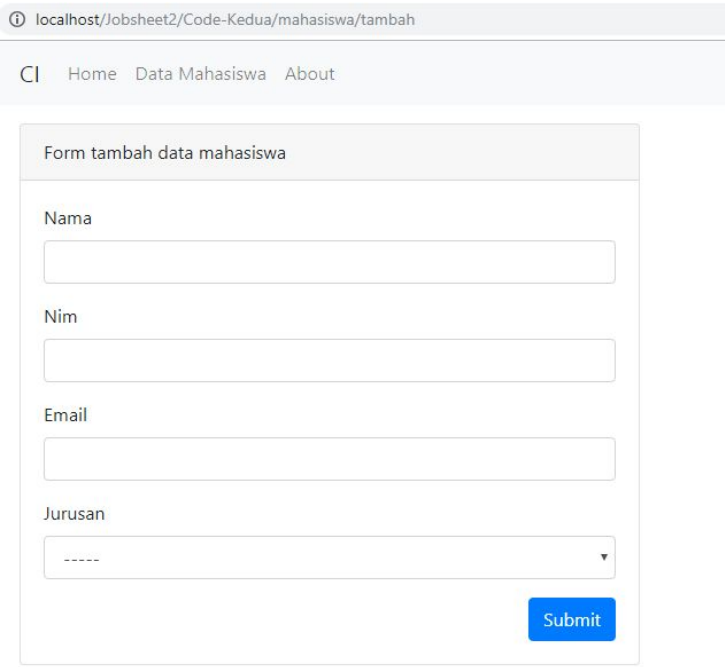
Tambah Data

Daftar Mahasiswa

Dina

Dika

Soni

| | |
|---|---|
| |  |
| 7 | <p>A. Membuat form validation pada controller Mahasiswa.php</p> <pre><code>\$this->\$this->form_validation->set_rules(['nama', 'Nama', 'required']);</code></pre> <p>B. Membuat atribut name pada view Tambah.php</p> <pre><code><input type="text" class="form-control" id="nama" name="nama"> <input type="number" class="form-control" id="nim" name="nim"> <input type="email" class="form-control" id="email" name="email"> id="jurusan" class="form-control" name="jurusan"></code></pre> <p>C. Setelah membuat atribut name pada view Tambah.php lalu buat rule pada controller Mahasiswa.php</p> <pre><code>\$this->\$this->form_validation->set_rules(['nama', 'Nama', 'required']);</code></pre> <p>D. Lalu buat pesan error pada view Tambah.php</p> <pre><code><?= validation_errors() ?></code></pre> <p>E. Menambah form_validation pada autoload 'libraries'</p> <pre><code>\$autoload['libraries'] = array('database', 'form_validation');</code></pre> |

F. saat nama tidak diisi maka akan muncul peringatan

Form tambah data mahasiswa

The Nama field is required.

Nama

Nim

Email

Jurusan

Submit

G. Lalu buat validation untuk nim dan email

```
$this->form_validation->set_rules('nama','Nama','required');  
$this->form_validation->set_rules('nim','Nim','required');  
$this->form_validation->set_rules('email','Email','required|valid_email');
```

H. saat nama,nim,dan email tidak diisi maka akan muncul peringatan

Form tambah data mahasiswa

The Nama field is required.
The Nim field is required.
The Email field is required.

Nama

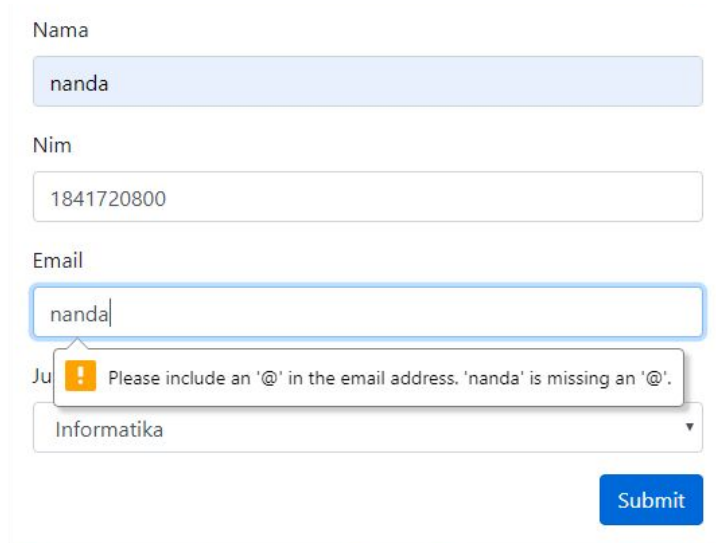
Nim

Email

Jurusan

Submit

- I. saat email tidak diisi dengan benar maka akan muncul peringatan

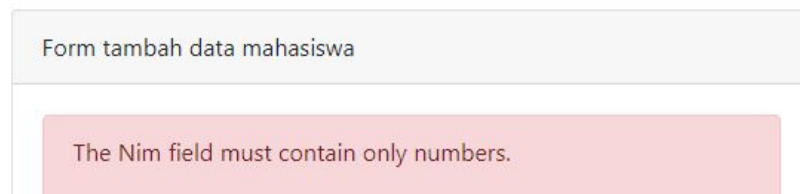


The screenshot shows a registration form with the following fields: 'Nama' (filled with 'nanda'), 'Nim' (filled with '1841720800'), 'Email' (filled with 'nanda'), and 'Jurusan' (a dropdown menu with 'Informatika' selected). A blue 'Submit' button is at the bottom right. A validation error message is displayed below the email field: 'Please include an '@' in the email address. 'nanda' is missing an '@'.' The error message is enclosed in a light orange box with a small orange triangle icon.

- J. buat required untuk untuk nim dengan **'required|numeric'**

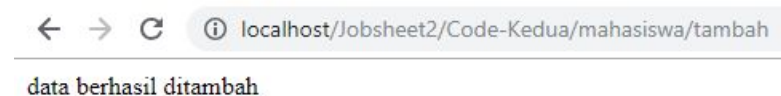
```
$this->form_validation->set_rules('nama','Nama','required');  
$this->form_validation->set_rules('nim','Nim','required|numeric');  
$this->form_validation->set_rules('email','Email','required|valid_email');
```

- K. saat nim tidak diisi dengan angka maka akan muncul peringatan



The screenshot shows a form titled 'Form tambah data mahasiswa'. Below the title, there is a red rectangular box containing the error message: 'The Nim field must contain only numbers.'

- L. Setelah semua data diisi dengan benar maka akan melanjutkan kehalaman lain yang menampilkan "data berhasil ditambah"



The screenshot shows a web browser interface. At the top, there are navigation icons (back, forward, refresh) and the address bar displays 'localhost/Jobsheet2/Code-Kedua/mahasiswa/tambah'. Below the address bar, the text 'data berhasil ditambah' is displayed.

Prakikum 3

| NO | Laporan |
|----|--|
| 1 | <pre data-bbox="292 353 987 539"> }else{ \$this->mahasiswa_model->tambahdatamhs(); redirect('mahasiswa' , 'refresh'); } </pre> |
| 2 | <p data-bbox="292 584 948 613">Membuat controller untuk tambah data mahasiswa</p> <pre data-bbox="292 622 1185 1003"> public function tambahdatamhs() { \$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->insert('mahasiswa',\$data); } </pre> |
| 3 | <div data-bbox="296 1066 1166 1821"> <p>Form tambah data mahasiswa</p> <p>Nama</p> <input data-bbox="331 1227 1133 1288" type="text" value="nanda"/> <p>Nim</p> <input data-bbox="331 1366 1133 1426" type="text" value="1234567"/> <p>Email</p> <input data-bbox="331 1505 1133 1565" type="text" value="anandagin30@gmail.com"/> <p>Jurusan</p> <input data-bbox="331 1644 1133 1704" type="text" value="Informatika"/> <input data-bbox="1010 1727 1133 1787" type="button" value="Submit"/> </div> |

Daftar Mahasiswa

Dina

Dika

Soni

nanda