

SEMINAR MEMBUAT WEB DENGAN FRAMEWORK CODEIGNETER

Studi kasus: arsip berita sederhana



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WHAT IS FRAMEWORK CI ?

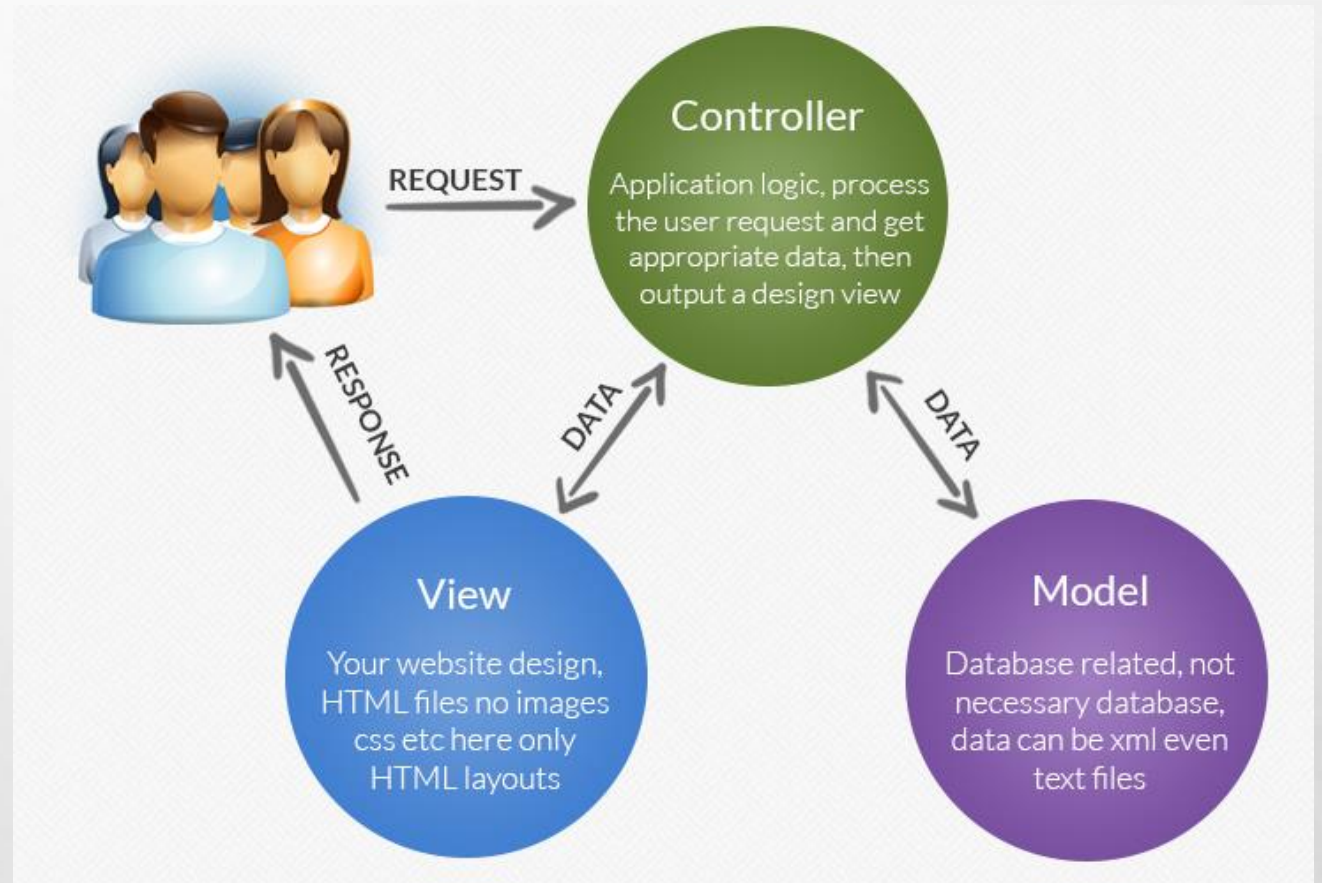
FRAMEWORK ADALAH KUMPULAN CODE TERDIRI DARI BEBERAPA FOLDER, FILE YANG SUDAH PERNAH DIBUAT MEMBANTUK KERANGKA KERJA BEST PRACTICE UNTUK MEMPERMUDAH DALAM PEMBUATAN PROJECT



FRAMEWORK PHP DENGAN KONSEP MVC

WHAT IS MVC ?

Model
View
Controller



WHY CI ?

- **Framework with a small footprint**
- **Compatibility with standard hosting**
- **Exceptional performance**
- **Clear documentation**
- **Nearly zero configuration**
- **No need for template language**
- **More communities**

INSTALASI CI

1. **Download di url <https://www.codeigniter.com/>**
2. **Instalasi XAMPP https://www.apachefriends.org/faq_windows.html**
3. **Instalasi Sublime Text <https://www.sublimetext.com/docs/3/>**
4. **Hasil download di ekstra pada xampp\htdocs ubah nama folder denan nama latihan crud**
5. **Kemudian akses <http://localhost/latihancrud/>**
6. **Perhatikan C:\xampp\htdocs\latihancrud\application\config\route.php**
7. **Perhatikan C:\xampp\htdocs\latihancrud\application\controllers\Welcome.php**
8. **Perhatikan C:\xampp\htdocs\latihancrud\application\views\welcome_message.php**

HALAMAN STATIC PADA CI

1. Ubah pada C:\xampp\htdocs\latihancrud\application\config\route.php

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');
$route['default_controller'] = 'halaman/view';
$route['(:any)'] = 'halaman/view/$1';

$route['404_override'] = '';
$route['translate_uri_dashes'] = FALSE;
```

2. Buat controller C:\xampp\htdocs\latihancrud\application\controllers\Halaman.php

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

class Halaman extends CI_Controller {

    public function index()
    {
        $this->load->view('welcome_message');
    }

    public function view($shalaman ='test')
    {
        if (!file_exists(APPPATH."views/page/" . $shalaman . ".php")) {
            show_404();

            $data['judul'] = $shalaman;

            $this->load->view('templates/header', $data);
            $this->load->view('page/' . $shalaman);
            $this->load->view('templates/footer');
        }
    }
}
```

Buat C:\xampp\htdocs\latihancrud\application\views\page\konten.php

Buat C:\xampp\htdocs\latihancrud\application\views\page\tentang.php

Ini halaman konten

Ini halaman tentang

Buat C:\xampp\htdocs\latihancrud\application\views\templates\header.php

```
<!DOCTYPE html>
```

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

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <title>Smk Raflesia</title>
```

```
</head>
```

```
<body>
```

```
<h1>Selamat Datang Pada Halaman <?php echo $judul; ?> Siswa  
SMK Raflesia</h1>
```

Buat C:\xampp\htdocs\latihancrud\application\views\templates\footer.php

```
<p>Ini Bagian Footer</p>
```

```
</body>
```

```
</html>
```


MODEL (BAG 1)

Buat database dengan nama “codeig” pada phpmyadmin





Ubah Konfigurasi database pada C:\xampp\htdocs\latihancrud\application\config\database.php

```
$db['default'] = array(  
    'dsn' => '',  
    'hostname' => 'localhost',  
    'username' => 'root',  
    'password' => '',  
    'database' => 'codeig',
```

Copy code sql table new pada dibawah ini paste di sql database codeig

http://www.codeigniter.com/user_guide/tutorial/news_section.html

Isi data sebagai berikut.

Opsi						
		id	title	slug	text	
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	1 post pertama	post-pertama	Ini adalah post pertama
<input type="checkbox"/>	 Ubah	 Salin	 Hapus	2 post kedua	post kedua	Ini adalah post kedua

Buat C:\xampp\htdocs\latihancrud\application\controllers\News.php

```
?php
defined('BASEPATH') OR exit('No direct script access allowed');
class News extends CI_Controller {
    public function __construct()
    {
        parent::__construct();
        $this->load->model('news_model');
        $this->load->helper('url_helper');
    }
    public function index()

    {
        $data['news'] = $this->news_model->get_news();
        $data['title'] = 'Arsip berita';
        $this->load->view('news/index', $data);
    }
}
```

Buat C:\xampp\htdocs\latihancrud\application\models\News_model.php

```
<?php
class News_model extends CI_Model
{

    function __construct()
    {
        $this->load->database();
    }

    function get_news()
    {
        $query = $this->db->get('news');
        return $query->result_array();
    }

}
```

Buat C:\xampp\htdocs\latihancrud\application\views\news\index.php

```
<?php
foreach ($news as $news_item) { ?>
    <h1><?php echo $news_item['title']; ?></h1>
    <p><?php echo $news_item['text'] ;?></p>
<?php } ?>
```

Ubah pada C:\xampp\htdocs\latihancrud\application\config\route.php

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');
$route['news'] = 'news';
$route['default_controller'] = 'halaman/view';
$route['(:any)'] = 'halaman/view/$1';
$route['404_override'] = '';
$route['translate_uri_dashes'] = FALSE;
```

MODEL (BAG 2)

Ubah pada C:\xampp\htdocs\latihancrud\application\config\route.php

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');
$route['news'] = 'news';
$route['news/(:any)'] = 'news/view/$1';
$route['default_controller'] = 'halaman/view';
$route['404_override'] = '';
$route['translate_uri_dashes'] = FALSE;
```

Tambah pada C:\xampp\htdocs\latihancrud\application\controllers\News.php

```
public function view($slug = NULL)
{
    $data['news_item'] = $this->news_model->get_news($slug);
    $this->load->view('news/view', $data);
}
```


Buat file view.php pada C:\xampp\htdocs\latihancrud\application\views\news

```
<?php
foreach ($news as $news_item) { ?>
    <h1><a href="<?php echo site_url("news/".$news_item['slug']);
?>"><?php echo $news_item['title']; ?></a></h1>
    <p><?php echo $news_item['text'] ;?></p>
<?php } ?>
```

Ubah file config.php pada C:\xampp\htdocs\latihancrud\application\config

```
$config['base_url'] = 'http://localhost/latihancrud';
```

MENGHAPUS INDEX.PHP

Hapus index.php dalam config.php pada C:\xampp\htdocs\latihancrud\application\config

```
$config['index_page'] = '';
```

Buat file .htaccess pada C:\xampp\htdocs\latihancrud

```
RewriteEngine On
RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteRule ^(.*)$ index.php [L]
```

TAMBAH DATA

Ubah pada C:\xampp\htdocs\latihancrud\application\config\route.php

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');
$route['news'] = 'news';
$route['news/create'] = 'news/create';
$route['news/(:any)'] = 'news/view/$1';
$route['default_controller'] = 'halaman/view';
$route['404_override'] = '';
$route['translate_uri_dashes'] = FALSE;
```

Tambah pada C:\xampp\htdocs\latihancrud\application\controllers\News.php

```
public function create()
{
    $this->load->helper('form');
    $this->load->library('form_validation');

    $this->form_validation-
>set_rules('title','Judul','required');
    $this->form_validation-
>set_rules('text','Text','required');

    if ($this->form_validation->run() === FALSE) {
        $this->load->view('news/create');
    }else{
        $this->news_model->set_news();
        redirect('news');
    }
}

}
```

Tambahkan method `set_news()` pada `C:\xampp\htdocs\latihancrud\application\models\News_model.php`

```
public function set_news()  
{  
    $this->load->helper('url');  
  
    $slug = url_title($this->input->post('title'), 'dash', TRUE);  
    $data = array(  
        'title' => $this->input->post('title'),  
        'text'   => $this->input->post('text'),  
        'slug'   => $slug  
    );  
  
    return $this->db->insert('news', $data);  
}
```


Buat C:\xampp\htdocs\latihancrud\application\views\news\create.php

```
<?php echo validation_errors(); ?>
```

```
<?php echo form_open('news/create'); ?>
```

```
<label for="title">Judul</label>
```

```
<input type="text" name="title"><br>
```

```
<label for="text">Text</label>
```

```
<textarea name="text" rows="8" cols="40"></textarea> <br>
```

```
<input type="submit" name="submit" value="kirim">
```

```
<?php echo form_close(); ?>
```

UBAH DATA

Ubah pada **C:\xampp\htdocs\latihancrud\application\config\route.php**

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');
$route['news'] = 'news';
$route['news/update/(:any)'] = 'news/update/$1';
$route['news/create'] = 'news/create';
$route['news/(:any)'] = 'news/view/$1';
$route['default_controller'] = 'halaman/view';
$route['404_override'] = '';
$route['translate_uri_dashes'] = FALSE;
```

Tambah fungsi update pada

C:\xampp\htdocs\latihancrud\application\controllers\News.php

```
public function update($id)
{
    $this->load->helper('form');
    $this->load->library('form_validation');

    $this->form_validation->set_rules('title','Judul','required');
    $this->form_validation->set_rules('text','Text','required');

    if ($this->form_validation->run() === FALSE) {
        $data['news_item']= $this->news_model->get_news_id($id);
        $this->load->view('news/update',$data);
    }else{
        $this->news_model->update_news($id);
        redirect('news');
    }
}
```

Buat C:\xampp\htdocs\latihancrud\application\views\news\update.php

```
<?php echo validation_errors(); ?>
```

```
<?php echo form_open('news/update/'. $news_item['id']); ?>
```

```
<label for="title">Judul</label>
```

```
<input type="text" name="title" value='<?php echo $news_item['title'];  
?>'><br>
```

```
<label for="text">Text</label><br>
```

```
<textarea name="text" rows="8" cols="40" ><?php echo $news_item['text'];  
?></textarea> <br>
```

```
<input type="submit" name="submit" value="kirim">
```

```
<?php echo form_close(); ?>
```

Tambahkan method `update_news()` pada `C:\xampp\htdocs\latihancrud\application\models\News_model.php`

```
public function update_news($id)
{
    $this->load->helper('url');

    $slug = url_title($this->input->post('title'), 'dash', TRUE);
    $data = array(
        'title' => $this->input->post('title'),
        'text'   => $this->input->post('text'),
        'slug'   => $slug
    );

    $this->db->where('id', $id);
    return $this->db->update('news', $data);
}
```


Menambah link edit pada Buat C:\Buat C:\xampp\htdocs\latihancrud\application\views\news\index.php

```
<?php
foreach ($news as $news_item) { ?>
    <h1><a href="<?php echo
site_url("news/".$news_item['slug']); ?>"><?php echo
$news_item['title']; ?></a></h1>
    <p><?php echo $news_item['text'] ;?></p>
    <a href="<?php echo
site_url("news/update/".$news_item['id']); ?>">Edit</a>
<?php } ?>
```

DELETE DATA

Ubah pada **C:\xampp\htdocs\latihancrud\application\config\route.php**

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');
$route['news'] = 'news';
$route['news/delete/(:any)'] = 'news/delete/$1';
$route['news/update/(:any)'] = 'news/update/$1';
$route['news/create'] = 'news/create';
$route['news/(:any)'] = 'news/view/$1';
$route['default_controller'] = 'halaman/view';
$route['404_override'] = '';
$route['translate_uri_dashes'] = FALSE;
```

Tambah fungsi delete pada C:\xampp\htdocs\latihancrud\application\controllers\News.php

```
public function delete($id){  
    $this->news_model->delete_news($id);  
    redirect('news');  
  
}  
  
}
```

Tambahkan method `delete_news()` pada `C:\xampp\htdocs\latihancrud\application\models\News_model.php`

```
public function delete_news($id)
{
    return $this->db->delete('news', array('id' => $id));
}
```

Menambah link delete pada Buat C:\Buat C:\xampp\htdocs\latihancrud\application\views\news\index.php

```
<?php
foreach ($news as $news_item) { ?>
    <h1><a href="<?php echo
site_url("news/".$news_item['slug']); ?>"><?php echo
$news_item['title']; ?></a></h1>
    <p><?php echo $news_item['text'] ;?></p>
    <a href="<?php echo
site_url("news/update/".$news_item['id']); ?>">Edit</a>
<br>
    <a href="<?php echo
site_url("news/delete/".$news_item['id']); ?>">Delete</a>
<?php } ?>
```


ALHAMDULILLAH

Github link : <https://github.com/irfan1991/seminarCRUDCI.git>