

CI Framework

Step by step

Tahapan Memulai CI

1. Buat folder "lat1" di xampp\htdocs
2. Download dan extract bundle di folder yang dibuat
<https://codeigniter.com/download>
3. Struktur folder menjadi berikut: (tidak semua ditulis)
 xampp
 htdocs
 lat1
 application
 config
 controllers
 models
 views
4. Jalankan aplikasi dengan: `http://localhost/lat1`

Tahapan Memulai CI [lanjutan]



localhost/lat1/



Welcome to CodeIgniter!

The page you are looking at is being generated dynamically by CodeIgniter.

If you would like to edit this page you'll find it located at:

```
application/views/welcome_message.php
```

The corresponding controller for this page is found at:

```
application/controllers/Welcome.php
```

If you are exploring CodeIgniter for the very first time, you should start by reading the [User Guide](#).

Page rendered in 0.0215 seconds. CodeIgniter Version 3.1.8

Tahapan Memulai CI [lanjutan]

5. Buat controller **Lat1.php** (*copy dari class Welcome*) di folder `xampp\htdocs\lat1\application\controllers`

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

class Lat1 extends CI_Controller {
    public function index() {
        $data["nama"]="Agus";
        $data["asal"]="Bandung";
        $this->load->view('v_latihan1', $data);
    }
}
```

Catatan : Nama class Lat1 diawali huruf besar

Tahapan Memulai CI [lanjutan]

6. Buat view **v_latihan1.php** di folder
xampp\htdocs\lat1\application\views

```
<!DOCTYPE html>
<html>
  <head></head>
  <body>
    <?php
      echo "Nama : $nama <br/>";
      echo "Asal : $asal <br/>";
    ?>
  </body>
</html>
```

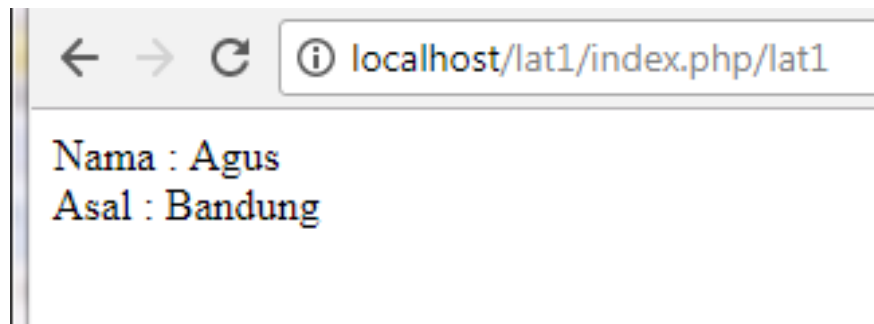
Catatan : Nama view tanpa diawali huruf besar

Tahapan Memulai CI [lanjutan]

7. Jalankan controller Lat1:

(menampilkan view v_latihan1)

<http://localhost/lat1/index.php/lat1>



Catatan :

lat1 pertama: nama folder dalam htdocs

lat1 kedua: nama controller, dipanggil pakai huruf besar

Tahapan Memulai CI [lanjutan]

- Penulisan array pada controller Lat1:

cara-1:

```
$data["nama"]="Agus";  
$data["asal"]="Bandung";
```

cara-2:

```
$data=array(  
    "nama" => "Agus",  
    "asal" => "Bandung"  
);
```

- Akses variabel di view dengan

```
echo $nama;  
echo $asal;
```

Tahapan Memulai CI [lanjutan]

8. Ubah controller **Lat1.php** (*copy dari class Welcome*) di folder
xampp\htdocs\lat1\application\controllers

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');
class Lat1 extends CI_Controller {
    public function index(){
        $data["nama"]="Agus";
        $data["asal"]="Bandung";
        $this->load->view('v_latihan1',$data);
    }
    public function method1(){
        $data=array(
            "nama" => "Budi",
            "asal" => "Jakarta"
        );
        $this->load->view('v_latihan1',$data);
    }
}
```


Tahapan Memulai CI [lanjutan]

```
public function method2() {  
    $data['mhs']=array("Budi","Jakarta");  
    $this->load->view('v_latihan2',$data);  
}  
public function method3() {  
    $data['title']="Daftar Mahasiswa";  
    $data['daf_mhs']=array(  
        array("nama" => "Agus","asal" => "Bandung"),  
        array("nama" => "Budi","asal" => "Jakarta"),  
        array("nama" => "Roni","asal" => "Surabaya")  
    );  
    $this->load->view('v_latihan3',$data);  
}  
}
```

Tahapan Memulai CI [lanjutan]

9. Buat view **v_latihan3.php**

```
<h3><?php echo $title; ?></h3>
<table border=1>
  <thead>
    <tr><th>No</th><th>Nama</th><th>Asal</th>
    </tr>
  </thead>
  <tbody>
    <?php
    $no = 1;
    foreach ($daf_mhs as $mhs){
      echo "<tr><td>".$no++."</td>";
      echo "      <td>".$mhs['nama']."</td>";
      echo "      <td>".$mhs['asal']."</td></tr>";
    }
    ?>
  </tbody>
</table>
```

Tahapan Memulai CI [lanjutan]

10. Jalankan method2 pada controller Lat1:

<http://localhost/lat1/index.php/lat1> → method index

<http://localhost/lat1/index.php/lat1/method1>

<http://localhost/lat1/index.php/lat1/method2>

<http://localhost/lat1/index.php/lat1/method3>



Daftar Mahasiswa

No	Nama	Asal
1	Agus	Bandung
2	Budi	Jakarta
3	Roni	Surabaya

Merubah setting rute pemanggilan

11. Ubah **routes.php** yang ada di folder
xampp\htdocs\lat1\application\config
agar pemanggilan controller utama tidak perlu dituliskan
http://localhost/lat1/index.php/lat1/barang
cukup dipanggil
http://localhost/lat1

```
$route['default_controller'] = "lat1";
```

12. Ubah **config.php** yang ada di folder
xampp\htdocs\lat1\application\config

```
$config['base_url'] = "http://localhost/lat1/";
```

Merubah setting rute pemanggilan [lanjutan]

13. Buat file **.htaccess** yang ada di folder

xampp\htdocs\lat1\

agar pemanggilan controller tidak perlu pakai index.php

<http://localhost/lat1/index.php/lat1/method3>

cukup dipanggil

<http://localhost/lat1/lat1/method3>

```
RewriteEngine on
```

```
RewriteCond %{REQUEST_FILENAME} !-f
```

```
RewriteCond %{REQUEST_FILENAME} !-d
```

```
RewriteRule ^(.*)$ index.php/$1 [L]
```

14. Jalankan lagi dengan:

<http://localhost/lat1/> ➔ <http://localhost/lat1/lat1/index>

<http://localhost/lat1/lat1/method1>

<http://localhost/lat1/lat1/method3>

Merubah setting database

15. Ubah **database.php** yang ada di folder
xampp\htdocs\lat1\application\config

```
$db['default']['hostname'] = 'localhost';  
$db['default']['username'] = 'root';  
$db['default']['password'] = '';  
$db['default']['database'] = 'akademik';  
$db['default']['dbdriver'] = 'mysqli';
```

atau

```
$db['default'] = array(  
    'hostname' => 'localhost',  
    'username' => 'root',  
    'password' => '',  
    'database' => 'akademik',  
    'dbdriver' => 'mysqli',
```

Menyiapkan database dan model

16. Buat/siapkan database "akademik" dan tabel "mahasiswa"

17. Buat model **M_mahasiswa.php** (*diawali huruf besar*) di folder xampp\htdocs\lat1\application\models

```
<?php
defined('BASEPATH') OR exit('No direct script access allowed');
class M_mahasiswa extends CI_Model {
    public function __construct() {
        $this->load->database();
    }
    public function get_mahasiswa() {
        return $this->db->get('mahasiswa');
    }
}
```

Menyiapkan Controller

18. Buat controller **Mahasiswa.php** di folder
xampp\htdocs\lat1\application\controllers

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

    public function lihat_daftar(){
        $data['title'] = 'Daftar Mahasiswa';
        $data['mhs']['entries'] = $this->m_mahasiswa->get_mahasiswa();
        $this->load->view('v_daftar_mahasiswa',$data);
    }
}
```


Menyiapkan View

19. Buat view **v_daftar_mahasiswa.php** di folder
xampp\htdocs\lat1\application\views

```
<h3><?php echo $title; ?></h3>
<table border=1>
  <thead>
    <tr>
      <th>No</th>
      <th>NIM</th>
      <th>Nama Lengkap</th>
      <th>Aksi</th>
    </tr>
  </thead>
```

Menyiapkan View [lanjutan]

```
<tbody>
  <?php
    $no = 1;
    foreach ($mhs['entries']->result_array() as $mhs_entry){
  ?>
  <tr><td><?php echo $no++; ?></td>
    <td><?php echo $mhs_entry['nim']; ?></td>
    <td><?php echo $mhs_entry['nama']; ?></td>
    <td>
      <a href="<?php echo base_url()?>mahasiswa/lihat_detail/
        <?php echo $mhs_entry['nim']; ?>">View</a>
      <a href="">Edit</a><a href="">Delete</a>
    </td>
  </tr>
  <?php
    }
  ?>
</tbody>
</table>
<a href="<?php echo base_url()?>mahasiswa/form_tambah">Tambah Data</a>
```

Menjalankan aplikasi

20. Jalankan aplikasi:
<http://localhost/lat1/>



Daftar Mahasiswa

No	NIM	Nama Lengkap	Aksi
1	13008	Saras	View Edit Delete
2	13010	Sutarman	View Edit Delete
3	13234	Budi	View Edit Delete

[Tambah Data](#)

Query pada Model

```
//query umum
$this->db->query('select * from mahasiswa');

//select * from mahasiswa
$this->db->get('mahasiswa');
//select * from mahasiswa where nim='$nim'
$this->db->get_where('mahasiswa', array('nim' => $nim));
//delete mahasiswa where nim='$nim'
$this->db->where('nim', $nim);
$this->db->delete('mahasiswa');
//insert into mahasiswa values ....
$this->db->insert('mahasiswa', $mhs);
//update mahasiswa set ....
$this->db->where('nim', $nim);
$this->db->update('mahasiswa', $mhs);
```