

## Praktikum 6: Membuat Aplikasi Client Menggunakan Codeigniter+Harviacode

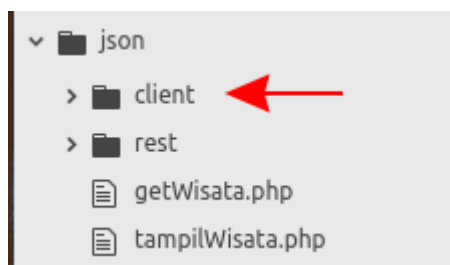
Untuk menyelesaikan praktikum 6 diperlukan dua bahan yaitu Framework Codeigniter dan Harviacode CRUD Generator. Codeigniter digunakan untuk framework aplikasi Client dengan konsep MVC. Harviacode CRUD Generator digunakan untuk menghasilkan skrip Model, View dan Controller secara otomatis berdasarkan struktur tabel.

Alamat url untuk download:

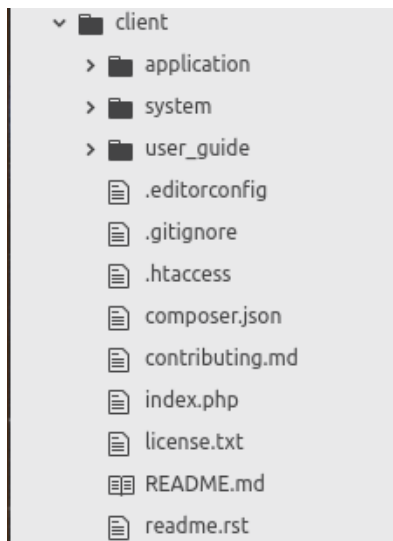
File	Alamat Download	Keterangan
Codeigniter	<a href="https://github.com/bernardvery/Genap1920/blob/master/Rekayasa%20Web/Praktek%20online/pert6/bcit-ci-CodeIgniter-3.1.11-0-gb73eb19.zip?raw=true">https://github.com/bernardvery/Genap1920/blob/master/Rekayasa Web/Praktek online/pert6/bcit-ci-CodeIgniter-3.1.11-0-gb73eb19.zip?raw=true</a>	Framework aplikasi
	<a href="https://api.github.com/repos/bcit-ci/CodeIgniter/zipball/3.1.11">https://api.github.com/repos/bcit-ci/CodeIgniter/zipball/3.1.11</a>	
Harviacode	<a href="https://github.com/bernardvery/Genap1920/blob/master/Rekayasa%20Web/Praktek%20online/pert6/harviacode-codeigniter-crud-generator.zip?raw=true">https://github.com/bernardvery/Genap1920/blob/master/Rekayasa Web/Praktek online/pert6/harviacode-codeigniter-crud-generator.zip?raw=true</a>	CRUD Generator untuk Codeigniter
	<a href="https://bitbucket.org/harviacode/codeigniter-crud-generator/get/213dd640bcf3.zip">https://bitbucket.org/harviacode/codeigniter-crud-generator/get/213dd640bcf3.zip</a>	

### A. Instalasi Codeigniter

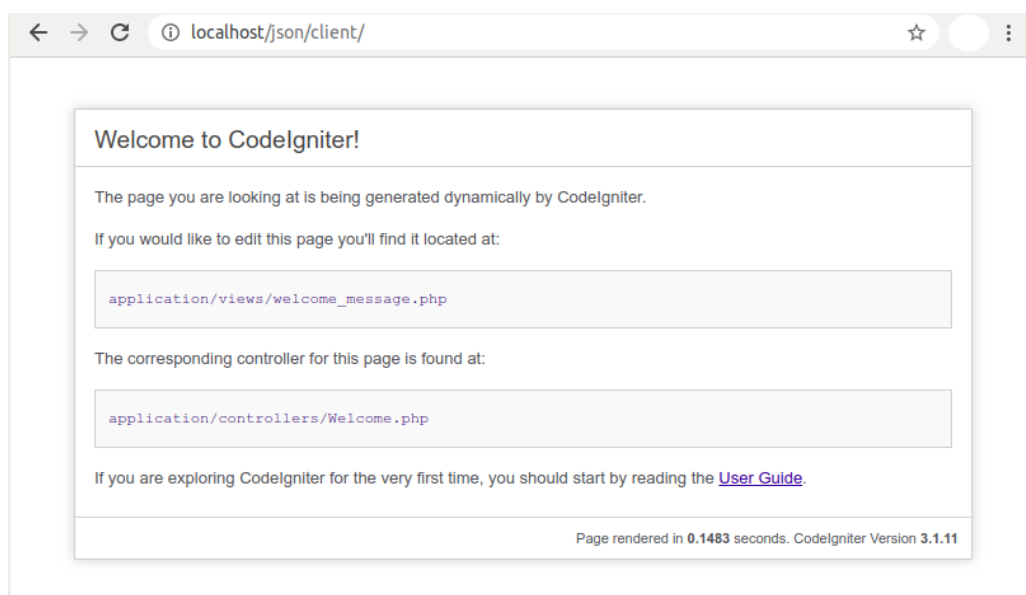
1. Siapkan folder “client” pada folder project “json” sebelumnya (c:/xampp/htdocs/json/client, atau /var/www/html/json/client).



2. Ekstrak paketan CodeIgniter, lalu copy isi folder paket CodeIgniter tersebut ke folder “client”.
3. Isi paketan Codeigniter adalah (folder Application, folder System, folder User\_Guide dan file index.php beserta file pendukung lain)



4. Nyalakan aplikasi XAMPP dan jalankan service "Apache" untuk mengaktifkan Web server (catatan: untuk instalasi pertama tidak memerlukan MySQL Server).
5. Setelah itu akses menggunakan Browser untuk melihat hasil instalasi Codeigniter dengan url: <http://localhost/json/client/>.



## B. Instalasi Harviacode dan Generate skrip CRUD

### **PENTING:** Persiapan pada Codeigniter sebelum menggunakan CRUD Generator

1. Pada file “application/config/autoload.php” lakukan load library “database” dan “session”, load helper “url”.

Load library:

```
44  /*
45  |  -----
46  |  Auto-load Libraries
47  |  -----
48  |  These are the classes located in system/libraries/ or your
49  |  application/libraries/ directory, with the addition of the
50  |  'database' library, which is somewhat of a special case.
51  |
52  |  Prototype:
53  |
54  |  $autoload['libraries'] = array('database', 'email', 'session');
55  |
56  |  You can also supply an alternative library name to be assigned
57  |  in the controller:
58  |
59  |  $autoload['libraries'] = array('user_agent' => 'ua');
60  */
61  $autoload['libraries'] = array('database', 'session');
```

Load helper:

```
84  /*
85  |  -----
86  |  Auto-load Helper Files
87  |  -----
88  |  Prototype:
89  |
90  |  $autoload['helper'] = array('url', 'file');
91  */
92  $autoload['helper'] = array('url');
```

2. Pada file “application/config/config.php” , lakukan modifikasi sebagai berikut:

set \$config['base\_url'] :

```
25  */
26  $config['base_url'] = 'http://localhost/json/client/';
27
```

set config['index\_page'] :

```
37 */
38 $config['index_page'] = '';
39
```

set \$config['url\_suffix'] :

```
66 */
67 $config['url_suffix'] = '.html';
68
```

set \$config['encryption\_key'] :

```
326 */
327 $config['encryption_key'] = 'ftikusm';
328
```

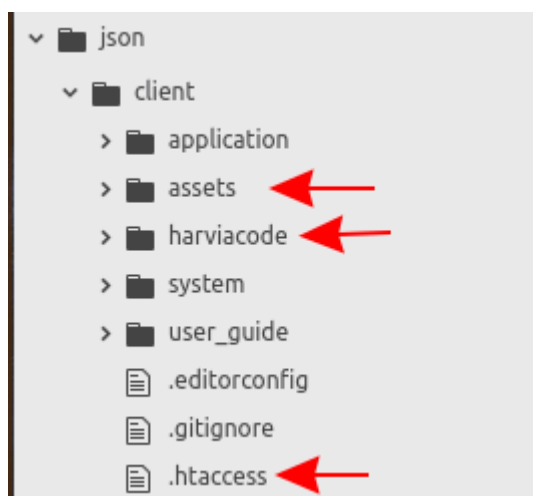
3. Pada file “application/config/database.php”, set hostname, username, password dan database

```
76 $db['default'] = array(
77     'dsn' => '',
78     'hostname' => 'localhost',
79     'username' => 'root',
80     'password' => 'root',
81     'database' => 'json',
82     'dbdriver' => 'mysqli',
83     'dbprefix' => '',
84     'pconnect' => FALSE,
```

← Ganti  
dengan  
pass  
Mysql  
Anda

### Memulai CRUD Generator:

1. Ekstrak paketan Harviacode, lalu letakkan folder “harviacode” dan “asset”, serta file “.htaccess” ke folder “client”.



Catatan: untuk pengguna Mac dan Linux, pastikan izin akses folder ‘application’ dan ‘harviacode’ diubah menjadi 777

2. Buka alamat : <http://localhost/json/client/harviacode/> pada browser
3. Pilih tabel dan tekan tombol “Generate”

← → ↻ ⓘ localhost/json/client/harviacode/

Select Table - Refresh

wisata

☒ Regular Table ☐ Serverside Datatables

☐ Export Excel

☐ Export Word

Custom Controller Name

Wisata

Custom Model Name

Wisata\_model

Generate Generate All Setting

### Codeigniter CRUD Generator

**About :**

Codeigniter CRUD Generator is a simple tool to auto CRUD generator will make a complete CRUD operat Generator using bootstrap 3 style. You still need to m

\* generate textarea and text input only

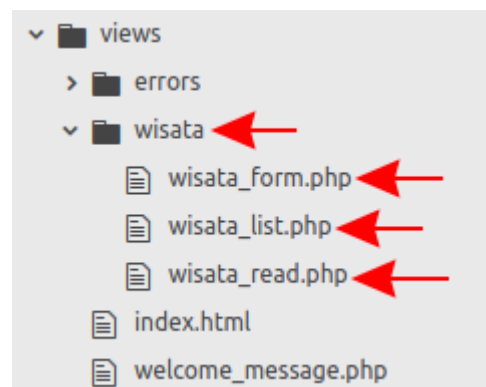
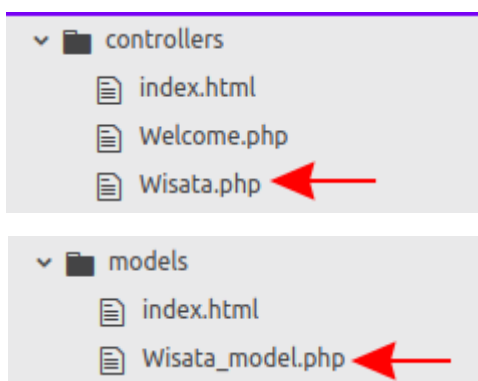
Please visit and like [harviacode.com](http://harviacode.com) for more info a

**Preparation before using this CRUD Generator (lr**

- On application/config/autoload.php, load datab
- On application/config/config.php, set :.
  - \$config['base\_url'] = 'http://localhost/you
  - \$config['index\_page'] = "
  - \$config['url\_suffix'] = '.html'
  - \$config['encryption\_key'] = 'randomstrin
- On application/config/database.php, set hostn:

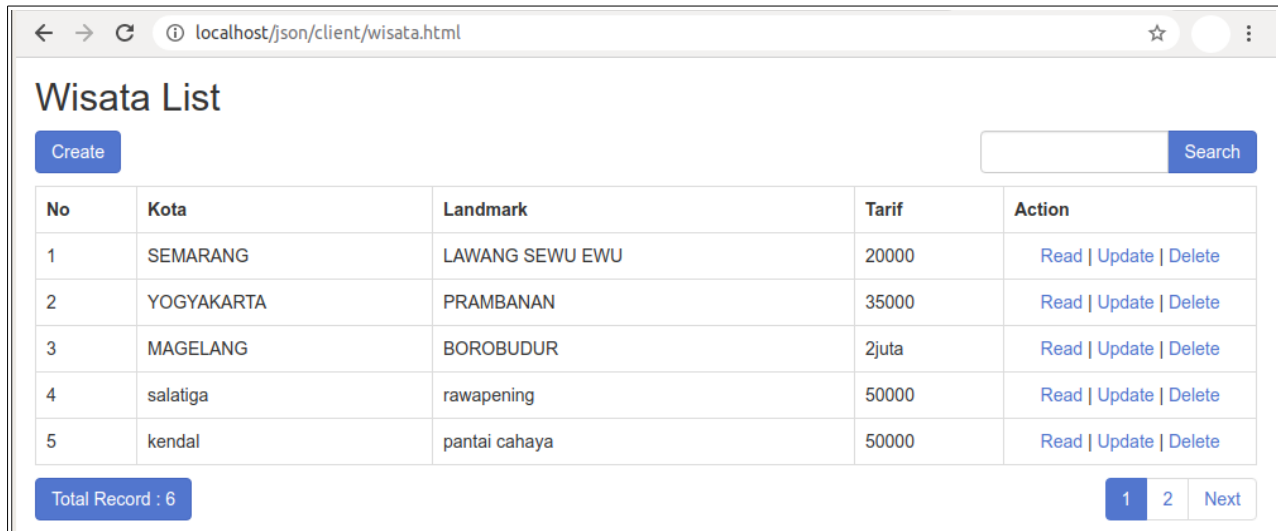
**Using this CRUD Generator :**

4. Skrip kode yang dihasilkan adalah:



### C. Tampilan aplikasi Client “wisata” => http://localhost/json/client/wisata

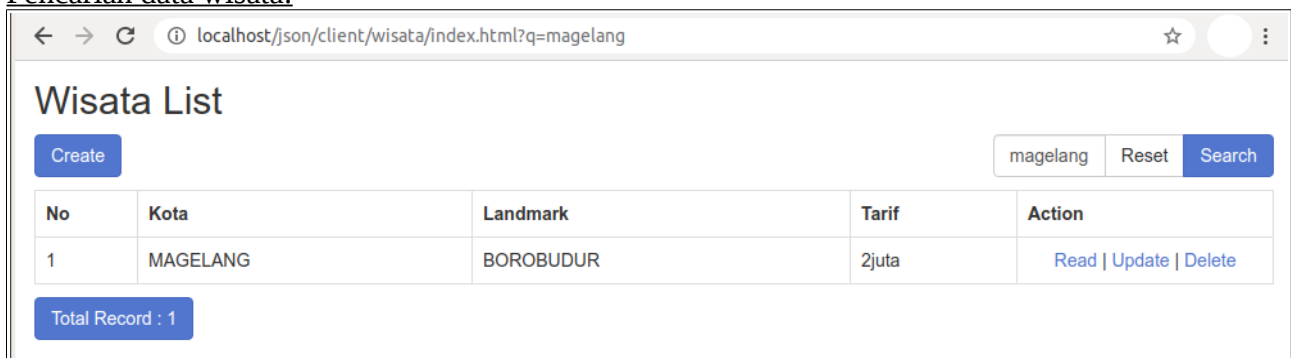
#### Tampil data wisata:



The screenshot shows a web browser window with the URL `localhost/json/client/wisata.html`. The page title is "Wisata List". There is a "Create" button on the left and a search bar on the right. Below the search bar is a table with 5 records. The table has columns: No, Kota, Landmark, Tarif, and Action. The Action column contains links for "Read | Update | Delete". At the bottom left, there is a "Total Record : 6" button. At the bottom right, there are pagination buttons: "1", "2", and "Next".

No	Kota	Landmark	Tarif	Action
1	SEMARANG	LAWANG SEWU EWU	20000	<a href="#">Read</a>   <a href="#">Update</a>   <a href="#">Delete</a>
2	YOGYAKARTA	PRAMBANAN	35000	<a href="#">Read</a>   <a href="#">Update</a>   <a href="#">Delete</a>
3	MAGELANG	BOROBUDUR	2juta	<a href="#">Read</a>   <a href="#">Update</a>   <a href="#">Delete</a>
4	salatiga	rawapening	50000	<a href="#">Read</a>   <a href="#">Update</a>   <a href="#">Delete</a>
5	kendal	pantai cahaya	50000	<a href="#">Read</a>   <a href="#">Update</a>   <a href="#">Delete</a>

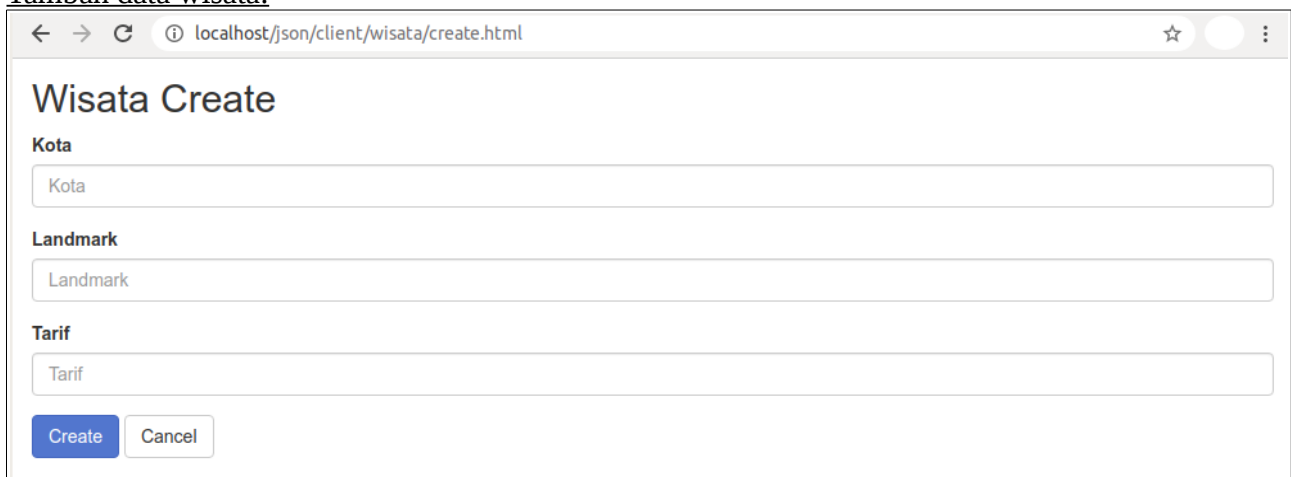
#### Pencarian data wisata:



The screenshot shows a web browser window with the URL `localhost/json/client/wisata/index.html?q=magelang`. The page title is "Wisata List". There is a "Create" button on the left and a search bar on the right. The search bar contains the text "magelang". To the right of the search bar are "Reset" and "Search" buttons. Below the search bar is a table with 1 record. The table has columns: No, Kota, Landmark, Tarif, and Action. The Action column contains links for "Read | Update | Delete". At the bottom left, there is a "Total Record : 1" button.

No	Kota	Landmark	Tarif	Action
1	MAGELANG	BOROBUDUR	2juta	<a href="#">Read</a>   <a href="#">Update</a>   <a href="#">Delete</a>

#### Tambah data wisata:



The screenshot shows a web browser window with the URL `localhost/json/client/wisata/create.html`. The page title is "Wisata Create". There are three input fields: "Kota", "Landmark", and "Tarif". At the bottom left, there are "Create" and "Cancel" buttons.

### Baca data wisata:

← → ↻ ⓘ localhost/json/client/wisata/read/1.html ☆ ○ ⋮

## Wisata Read

Kota	SEMARANG
Landmark	LAWANG SEWU EWU
Tarif	20000

### Koreksi data wisata:

← → ↻ ⓘ localhost/json/client/wisata/update/1.html ☆ ○ ⋮

## Wisata Update

**Kota**

**Landmark**

**Tarif**

### Hapus data wisata:

← → ↻ ⓘ localhost/json/client/wisata.html ☆ ○ ⋮

## Wisata List

localhost says  
Are You Sure ?

No	Kota			Action
1	SEMARANG	LAWANG SEWU EWU	20000	<a href="#">Read</a>   <a href="#">Update</a>   <a href="#">Delete</a>
2	YOGYAKARTA	PRAMBANAN	35000	<a href="#">Read</a>   <a href="#">Update</a>   <a href="#">Delete</a>
3	MAGELANG	BOROBUDUR	2juta	<a href="#">Read</a>   <a href="#">Update</a>   <a href="#">Delete</a>
4	salatiga	rawapening	50000	<a href="#">Read</a>   <a href="#">Update</a>   <a href="#">Delete</a>
5	kendal	pantai cahaya	50000	<a href="#">Read</a>   <a href="#">Update</a>   <a href="#">Delete</a>

Total Record : 6

[Next](#)

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### Tugas praktikum 6:

Buat laporan tentang praktikum 6 ini yang Anda lakukan pada kertas ukuran A4, lalu simpan ke format PDF dan kirim ke Penugasan (Edmodo) yang sudah disiapkan.