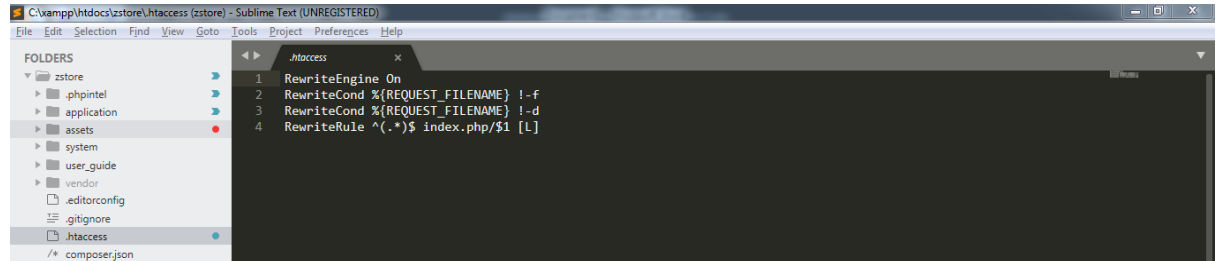


# TAHAPAN MEMBUAT PROJECT CI3

## 1. Konfigurasi

Application/config/..here.../

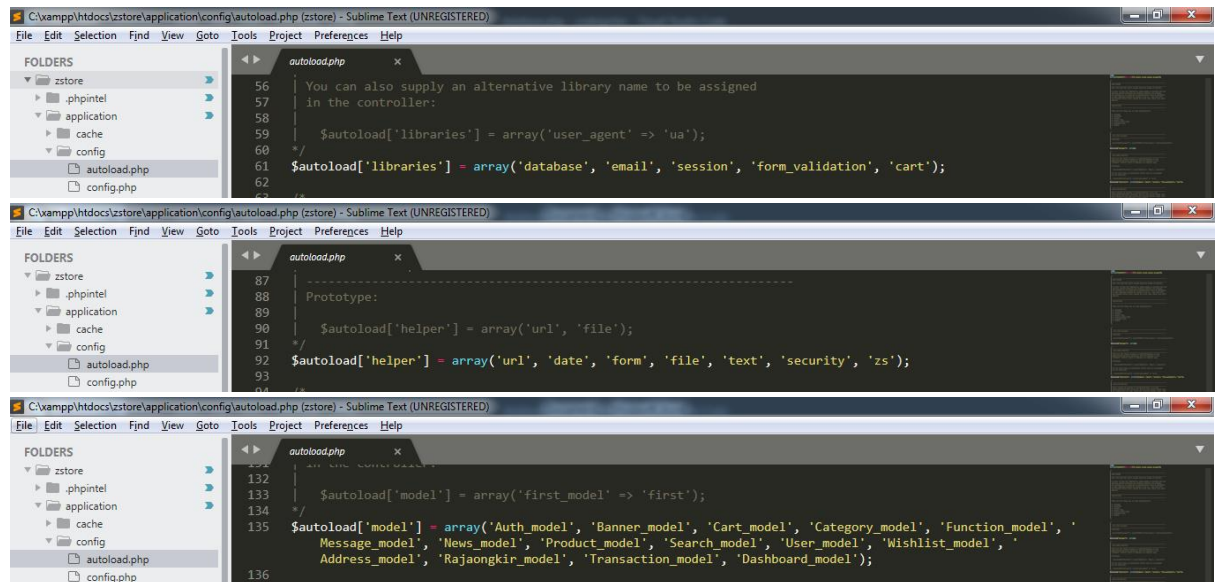
.htaccess :



The screenshot shows the Sublime Text editor with the .htaccess file open. The file contains the following code:

```
1 RewriteEngine On
2 RewriteCond %{REQUEST_FILENAME} !-f
3 RewriteCond %{REQUEST_FILENAME} !-d
4 RewriteRule ^(.*)$ index.php/$1 [L]
```

Autoload.php



The three screenshots show the Sublime Text editor with the Autoload.php file open, displaying different sections of the code:

Section 1 (lines 56-62):

```
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', 'email', 'session', 'form_validation', 'cart');
62
```

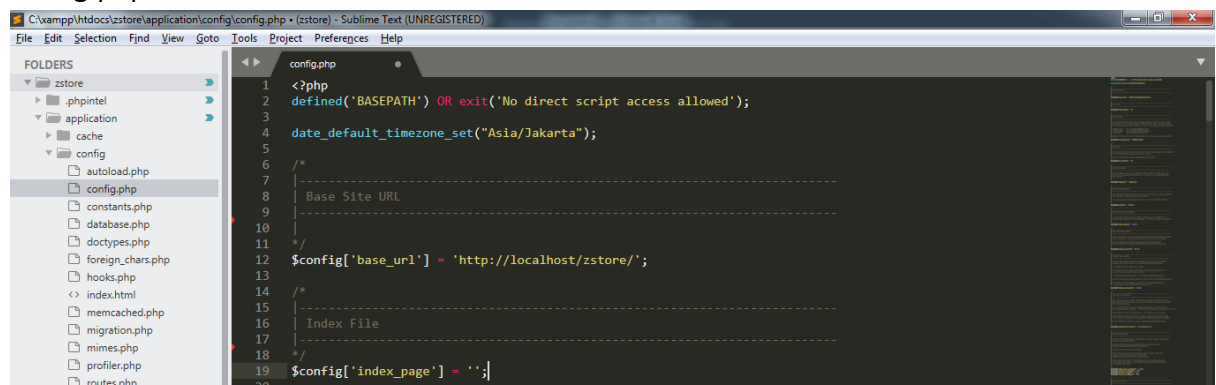
Section 2 (lines 87-93):

```
87 |
88 | Prototype:
89 |
90 | $autoload['helper'] = array('url', 'file');
91 | */
92 $autoload['helper'] = array('url', 'date', 'form', 'file', 'text', 'security', 'zs');
93
```

Section 3 (lines 132-136):

```
132 |
133 | $autoload['model'] = array('first_model' => 'first');
134 | */
135 $autoload['model'] = array('Auth_model', 'Banner_model', 'Cart_model', 'Category_model', 'Function_model', '
    Message_model', 'News_model', 'Product_model', 'Search_model', 'User_model', 'Wishlist_model', '
    Address_model', 'Rajaongkir_model', 'Transaction_model', 'Dashboard_model');
136
```

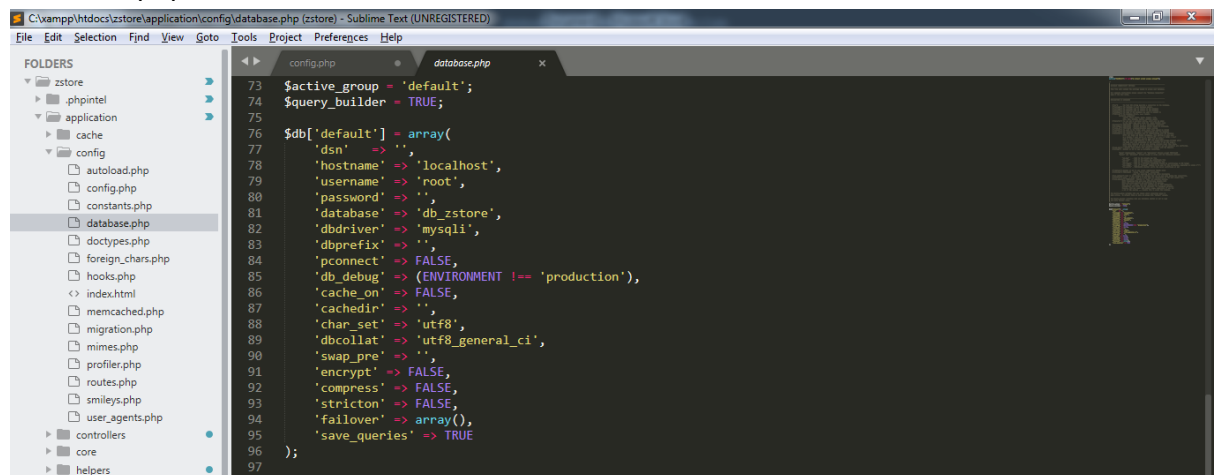
Config.php



The screenshot shows the Sublime Text editor with the Config.php file open. The file contains the following code:

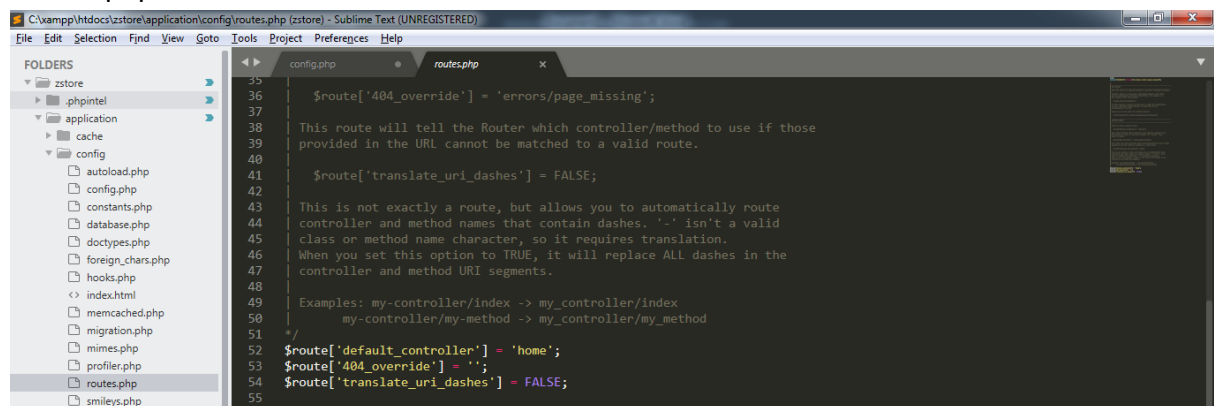
```
1 <?php
2 defined('BASEPATH') OR exit('No direct script access allowed');
3
4 date_default_timezone_set("Asia/Jakarta");
5
6 /*
7 -----
8 | Base Site URL
9 -----
10 */
11 $config['base_url'] = 'http://localhost/zstore/';
12
13 /*
14 -----
15 | Index File
16 -----
17 */
18
19 $config['index_page'] = '';
```

## Database.php



```
73 $active_group = 'default';
74 $query_builder = TRUE;
75
76 $db['default'] = array(
77     'dsn' => '',
78     'hostname' => 'localhost',
79     'username' => 'root',
80     'password' => '',
81     'database' => 'db_zstore',
82     'dbdriver' => 'mysql',
83     'dbprefix' => '',
84     'pconnect' => FALSE,
85     'db_debug' => (ENVIRONMENT !== 'production'),
86     'cache_on' => FALSE,
87     'cachedir' => '',
88     'char_set' => 'utf8',
89     'dbcollat' => 'utf8_general_ci',
90     'swap_pre' => '',
91     'encrypt' => FALSE,
92     'compress' => FALSE,
93     'stricton' => FALSE,
94     'failover' => array(),
95     'save_queries' => TRUE
96 );
97
```

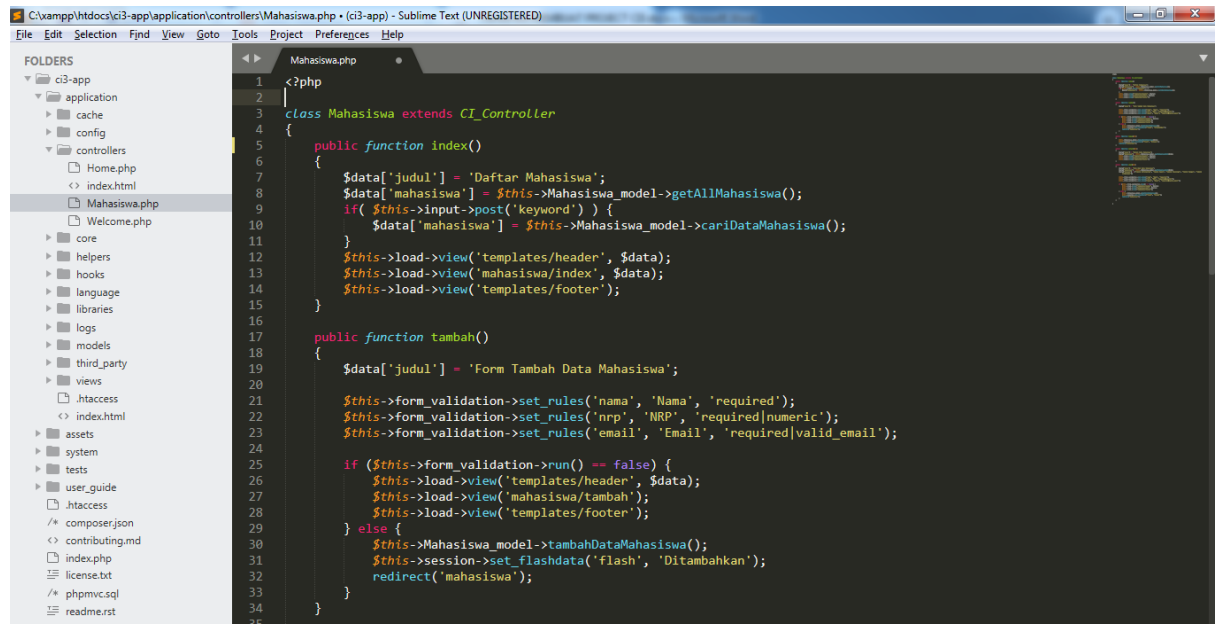
## Routes.php



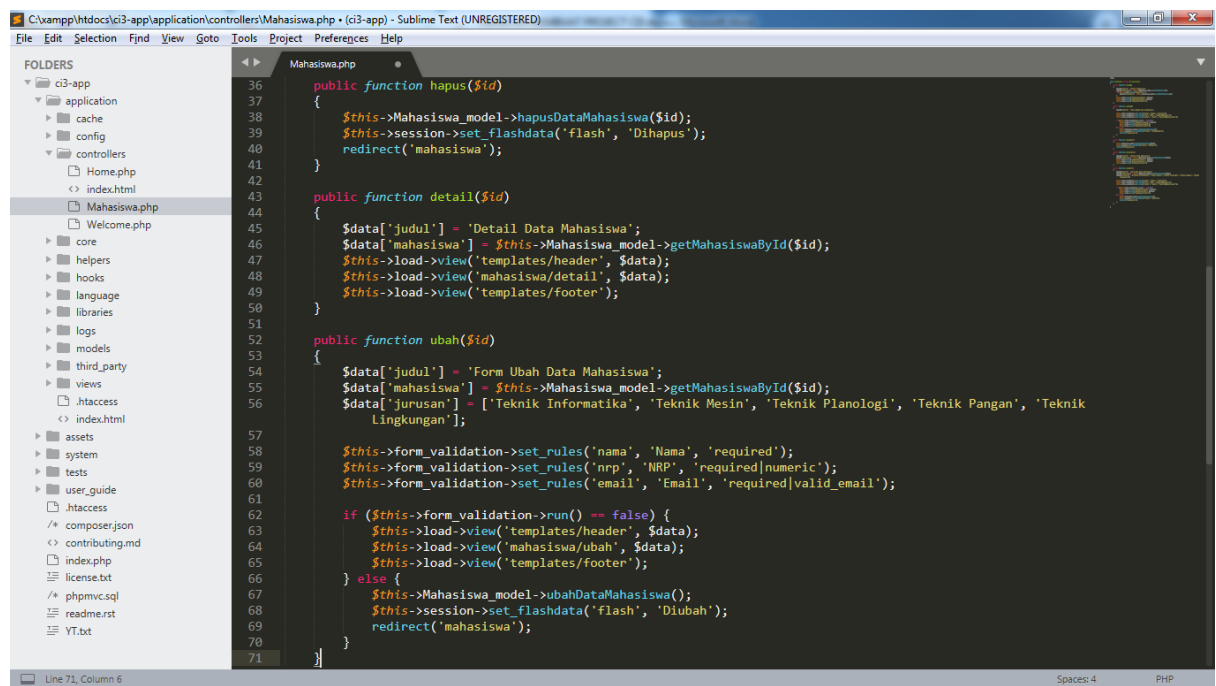
```
35
36
37
38 This route will tell the Router which controller/method to use if those
39 provided in the URL cannot be matched to a valid route.
40
41 $route['translate_uri_dashes'] = FALSE;
42
43 This is not exactly a route, but allows you to automatically route
44 controller and method names that contain dashes. '-' isn't a valid
45 class or method name character, so it requires translation.
46 When you set this option to TRUE, it will replace ALL dashes in the
47 controller and method URI segments.
48
49 Examples: my-controller/index -> my_controller/index
50           my-controller/my-method -> my_controller/my_method
51 */
52 $route['default_controller'] = 'home';
53 $route['404_override'] = '';
54 $route['translate_uri_dashes'] = FALSE;
55
```

## 2. MVC

### Controller



```
1 <?php
2
3 class Mahasiswa extends CI_Controller
4 {
5
6     public function index()
7     {
8         $data['judul'] = 'Daftar Mahasiswa';
9         $data['mahasiswa'] = $this->Mahasiswa_model->getAllMahasiswa();
10         if( $this->input->post('keyword') ) {
11             $data['mahasiswa'] = $this->Mahasiswa_model->cariDataMahasiswa();
12         }
13         $this->load->view('templates/header', $data);
14         $this->load->view('mahasiswa/index', $data);
15         $this->load->view('templates/footer');
16     }
17
18     public function tambah()
19     {
20         $data['judul'] = 'Form Tambah Data Mahasiswa';
21
22         $this->form_validation->set_rules('nama', 'Nama', 'required');
23         $this->form_validation->set_rules('nrp', 'NRP', 'required|numeric');
24         $this->form_validation->set_rules('email', 'Email', 'required|valid_email');
25
26         if ( $this->form_validation->run() == false ) {
27             $this->load->view('templates/header', $data);
28             $this->load->view('mahasiswa/tambah', $data);
29             $this->load->view('templates/footer');
30         } else {
31             $this->Mahasiswa_model->tambahDataMahasiswa();
32             $this->session->set_flashdata('flash', 'Ditambahkan');
33             redirect('mahasiswa');
34         }
35     }
36 }
```



```
36
37 public function hapus($id)
38 {
39     $this->Mahasiswa_model->hapusDataMahasiswa($id);
40     $this->session->set_flashdata('flash', 'Dihapus');
41     redirect('mahasiswa');
42 }
43
44 public function detail($id)
45 {
46     $data['judul'] = 'Detail Data Mahasiswa';
47     $data['mahasiswa'] = $this->Mahasiswa_model->getMahasiswaById($id);
48     $this->load->view('templates/header', $data);
49     $this->load->view('mahasiswa/detail', $data);
50     $this->load->view('templates/footer');
51 }
52
53 public function ubah($id)
54 {
55     $data['judul'] = 'Form Ubah Data Mahasiswa';
56     $data['mahasiswa'] = $this->Mahasiswa_model->getMahasiswaById($id);
57     $data['jurusan'] = ['Teknik Informatika', 'Teknik Mesin', 'Teknik Planologi', 'Teknik Pangan', 'Teknik
58         Lingkungan'];
59
60     $this->form_validation->set_rules('nama', 'Nama', 'required');
61     $this->form_validation->set_rules('nrp', 'NRP', 'required|numeric');
62     $this->form_validation->set_rules('email', 'Email', 'required|valid_email');
63
64     if ( $this->form_validation->run() == false ) {
65         $this->load->view('templates/header', $data);
66         $this->load->view('mahasiswa/ubah', $data);
67         $this->load->view('templates/footer');
68     } else {
69         $this->Mahasiswa_model->ubahDataMahasiswa();
70         $this->session->set_flashdata('flash', 'Diubah');
71         redirect('mahasiswa');
72     }
73 }
```

## Model

The image displays two screenshots of a Sublime Text editor window, showing the development of a PHP model for a database application. The editor is open to a file named `Mahasiswa_model.php` within a project structure.

**Top Screenshot:** The editor shows the initial code for the `Mahasiswa_model` class, which extends `CI_Model`. The code includes the following methods:

- `getAllMahasiswa()`: A public function that returns the result of a database query for the 'mahasiswa' table.
- `tambahDataMahasiswa()`: A public function that inserts a new record into the 'mahasiswa' table. It takes an array of data (nama, nrp, email, jurusan) and inserts it.
- `hapusDataMahasiswa($id)`: A public function that deletes a record from the 'mahasiswa' table based on the provided ID.
- `getMahasiswaById($id)`: A public function that returns the result of a database query for a specific student based on their ID.

**Bottom Screenshot:** The editor shows the updated code, adding two more methods:

- `ubahDataMahasiswa()`: A public function that updates a record in the 'mahasiswa' table. It takes an array of data and updates the record with the provided values.
- `cariDataMahasiswa()`: A public function that returns the result of a database query for students based on a keyword. It uses the `LIKE` operator to search for the keyword in the 'nama', 'nrp', 'email', and 'jurusan' fields.

## View

C:\xampp\htdocs\c13-app\application\views\mahasiswa\index.php - (c13-app) - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

FOLDERS

- c13-app
  - application
    - cache
    - config
    - controllers
    - core
    - helpers
    - hooks
    - language
    - libraries
    - logs
    - models
    - third\_party
    - views
      - errors
      - home
      - mahasiswa
        - detail.php
        - index.php**
        - tambah.php
        - ubah.php
      - templates
        - footer.php
        - header.php
        - index.html
        - welcome\_message.php
      - htaccess
      - index.html
    - assets
    - system
    - tests
    - user\_guide
    - htaccess

index.php

```

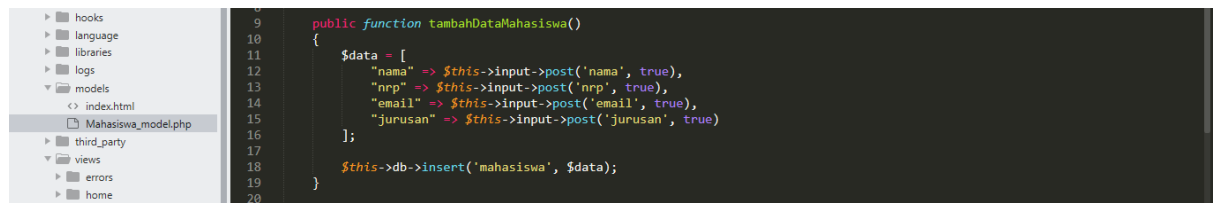
1 <div class="container">
2   <div class="flash-data" data-flashdata="<?= $this->session->flashdata('flash'); ?>"></div>
3   <?php if ($this->session->flashdata('flash')) : ?>
4     <?php endif; ?>
5
6   <div class="row mt-3">
7     <div class="col-md-6">
8       <a href="<?= base_url(); ?>mahasiswa/tambah" class="btn btn-primary">Tambah
9       Data Mahasiswa</a>
10    </div>
11  </div>
12
13  <div class="row mt-3">
14    <div class="col-md-6">
15      <form action="" method="post">
16        <div class="input-group">
17          <input type="text" class="form-control" placeholder="Cari data mahasiswa.." name="keyword">
18          <div class="input-group-append">
19            <button class="btn btn-primary" type="submit">Cari</button>
20          </div>
21        </div>
22      </form>
23    </div>
24  </div>
25
26  <div class="row mt-3">
27    <div class="col-md-6">
28      <h3>Daftar Mahasiswa</h3>
29      <?php if (empty($mahasiswa)) : ?>
30        <div class="alert alert-danger role="alert">
31          data mahasiswa tidak ditemukan.
32        </div>
33      <?php endif; ?>
34      <ul class="list-group">
35        <?php foreach ($mahasiswa as $mhs) : ?>
36          <li class="list-group-item">

```

11:13 03/04/2021

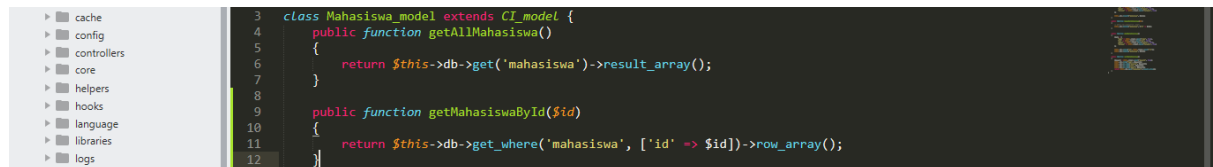
### 3. CRUD

#### Create



```
9 public function tambahDataMahasiswa()
10 {
11     $data = [
12         "nama" => $this->input->post('nama', true),
13         "nrp" => $this->input->post('nrp', true),
14         "email" => $this->input->post('email', true),
15         "jurusan" => $this->input->post('jurusan', true)
16     ];
17     $this->db->insert('mahasiswa', $data);
18 }
19
20
```

#### Read



```
3 class Mahasiswa_model extends CI_model {
4     public function getAllMahasiswa()
5     {
6         return $this->db->get('mahasiswa')->result_array();
7     }
8
9     public function getMahasiswaById($id)
10    {
11        return $this->db->get_where('mahasiswa', ['id' => $id])->row_array();
12    }
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```

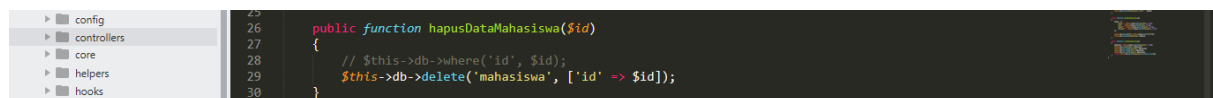
#### Update



```
33 public function ubahDataMahasiswa()
34 {
35     $data = [
36         "nama" => $this->input->post('nama', true),
37         "nrp" => $this->input->post('nrp', true),
38         "email" => $this->input->post('email', true),
39         "jurusan" => $this->input->post('jurusan', true)
40     ];
41     $this->db->where('id', $this->input->post('id'));
42     $this->db->update('mahasiswa', $data);
43 }
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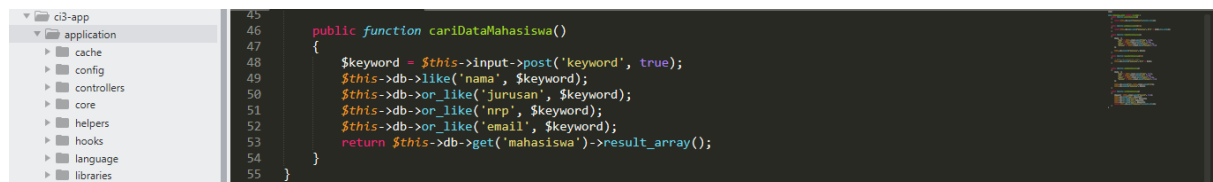
#### Delete



```
25 public function hapusDataMahasiswa($id)
26 {
27     // $this->db->where('id', $id);
28     $this->db->delete('mahasiswa', ['id' => $id]);
29 }
30
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```

#### Search



```
45 public function cariDataMahasiswa()
46 {
47     $keyword = $this->input->post('keyword', true);
48     $this->db->like('nama', $keyword);
49     $this->db->or_like('jurusan', $keyword);
50     $this->db->or_like('nrp', $keyword);
51     $this->db->or_like('email', $keyword);
52     return $this->db->get('mahasiswa')->result_array();
53 }
54
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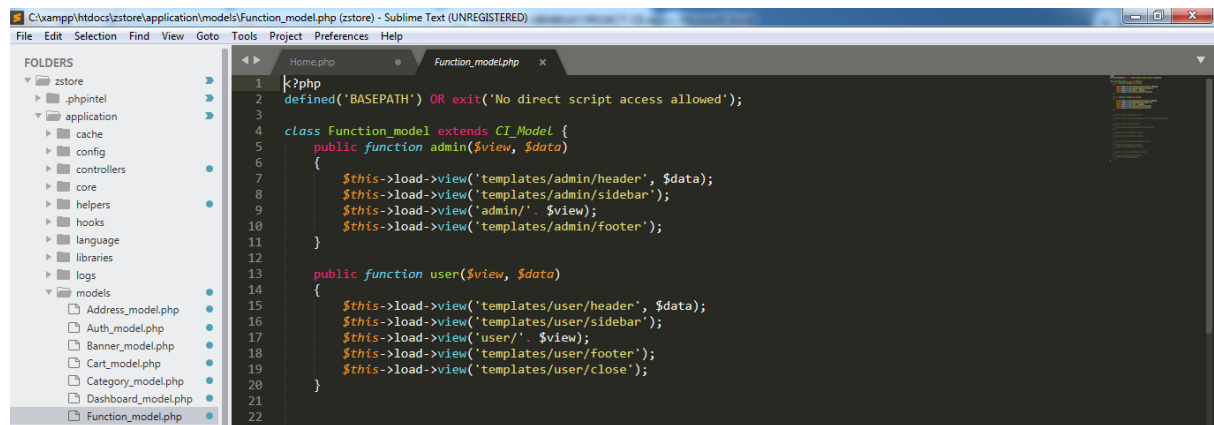
```

## 4. Features

### Function\_model (load view singkat)



```
1 <?php
2 defined('BASEPATH') OR exit('No direct script access allowed');
3
4 class Home extends CI_Controller {
5     public function index()
6     {
7         $data['title'] = 'Home';
8         $data['banner'] = $this->Banner_model->getAll();
9         $data['product'] = $this->Product_model->getAll();
10        $data['news'] = $this->News_model->getAll();
11
12        $this->Function_model->user('home', $data);
13    }
14 }
```



```
1 <?php
2 defined('BASEPATH') OR exit('No direct script access allowed');
3
4 class Function_model extends CI_Model {
5     public function admin($view, $data)
6     {
7         $this->load->view('templates/admin/header', $data);
8         $this->load->view('templates/admin/sidebar');
9         $this->load->view('admin/'. $view);
10        $this->load->view('templates/admin/footer');
11    }
12
13    public function user($view, $data)
14    {
15        $this->load->view('templates/user/header', $data);
16        $this->load->view('templates/user/sidebar');
17        $this->load->view('user/'. $view);
18        $this->load->view('templates/user/footer');
19        $this->load->view('templates/user/close');
20    }
21 }
22 }
```