

TUGAS PEMROGRAMAN WEB FRAMEWORK
BKPM TEMPLATE DAN CRUD



Nama : Agna Rizky Putra A
NIM / Golongan : E31191434 /C

MANAJEMEN INFORMATIKA
TEKNOLOGI INFORMASI
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BAB I

DASAR TEORI

Partial merupakan teknik untuk membagi template menjadi bagian-bagian kecil agar mudah digunakan. Perhatikan gambar dibawah ini secara umum bagian-bagian dari sebuah halaman tampak seperti gambar ini:



Secara garis besar template dibagi menjadi 3 bagian: Header, Content dan Footer. Untuk bagian header dan footer akan bersifat statis, dan untuk bagian content akan bersifat dinamis dimana akan menyesuaikan dari fitur yang sedang diakses.

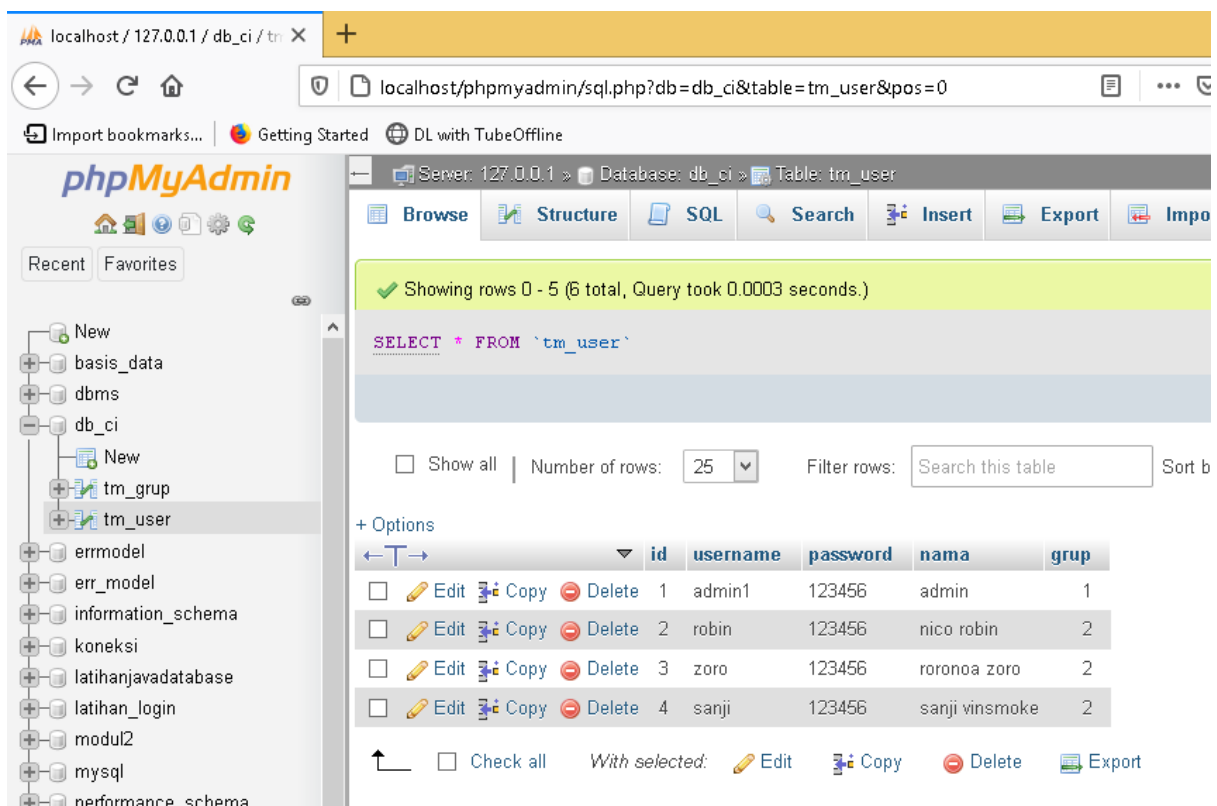
Dalam Codeigniter user dipermudah untuk melakukan komunikasi dengan database. Konsep komunikasi yang dilakukan codeigniter dengan database, adalah dengan mensetting file dengan nama `application/config/database.php`, setelah itu model akan bertugas berkomunikasi dengan tabel di database, dan data tersebut akan dipassing ke controller dan bisa ditampilkan dibagian view.

BAB II

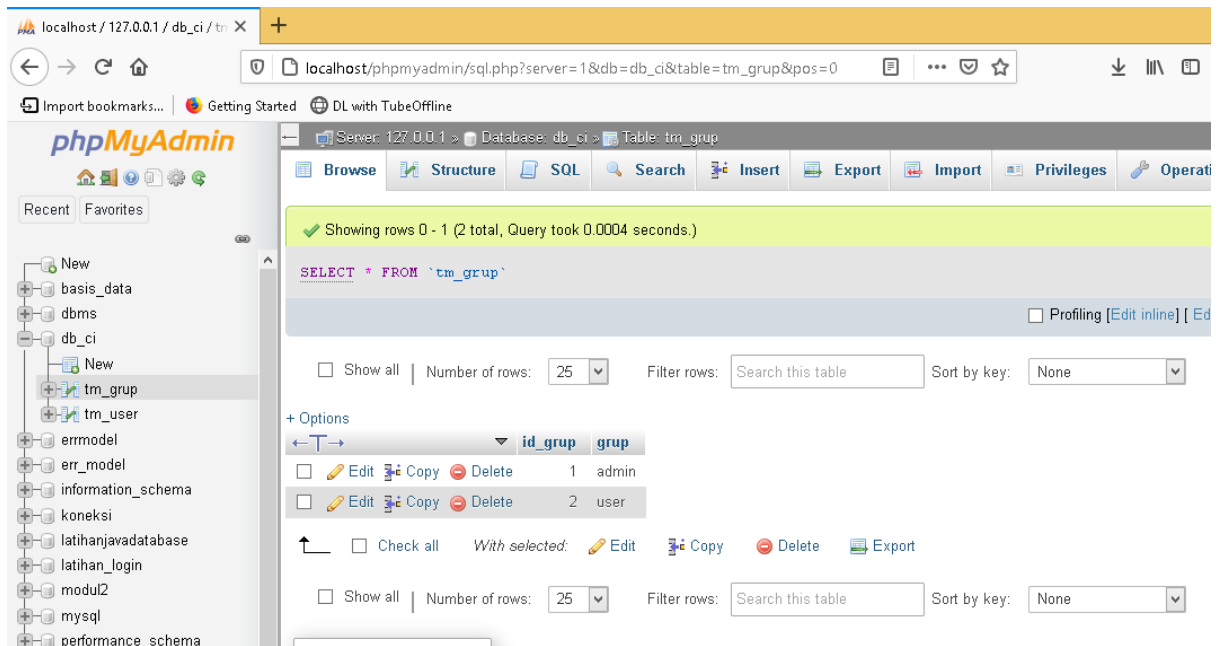
HASIL KERJA PRAKTIKUM

- **Latihan BKPM BAB TEMPLATE**

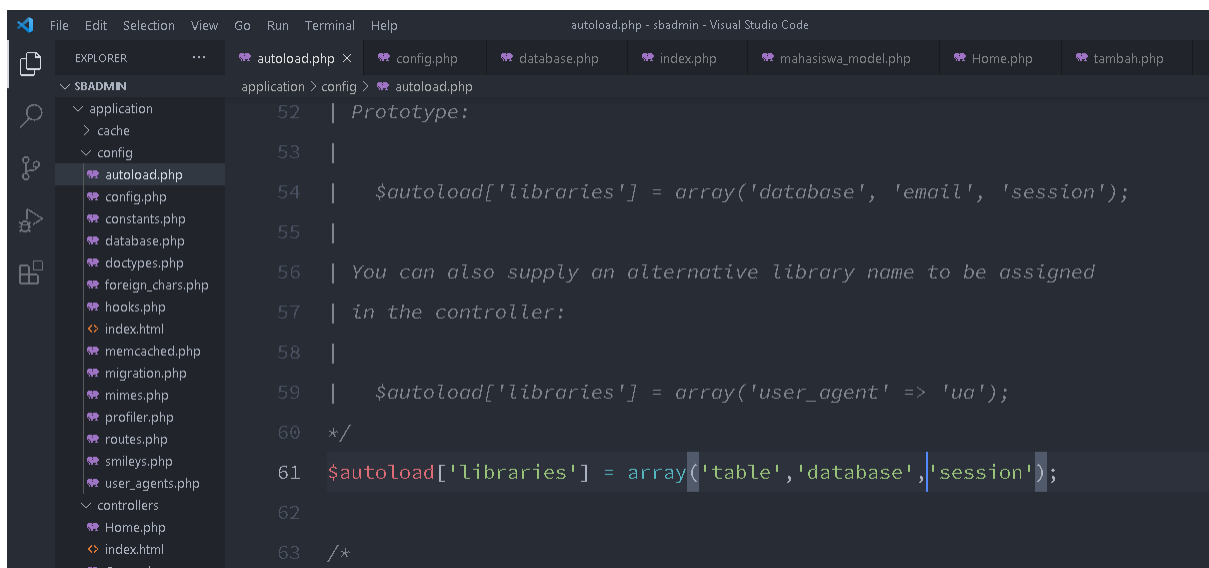
1. Mendownload template SBAdmin di : <https://startbootstrap.com/themes/sb-admin-2/>
2. Setelah mendownload, extract dan buka blank.html, di blank html akan dibagi menjadi 4 bagian, head, sidebar, content, dan footer. Disini kita akan melakukan copy paste coding dari blank.html dan membuat file yang baru.
3. Yang pertama kita lakukan, buka phpmyadmin untuk membuat database db_ci



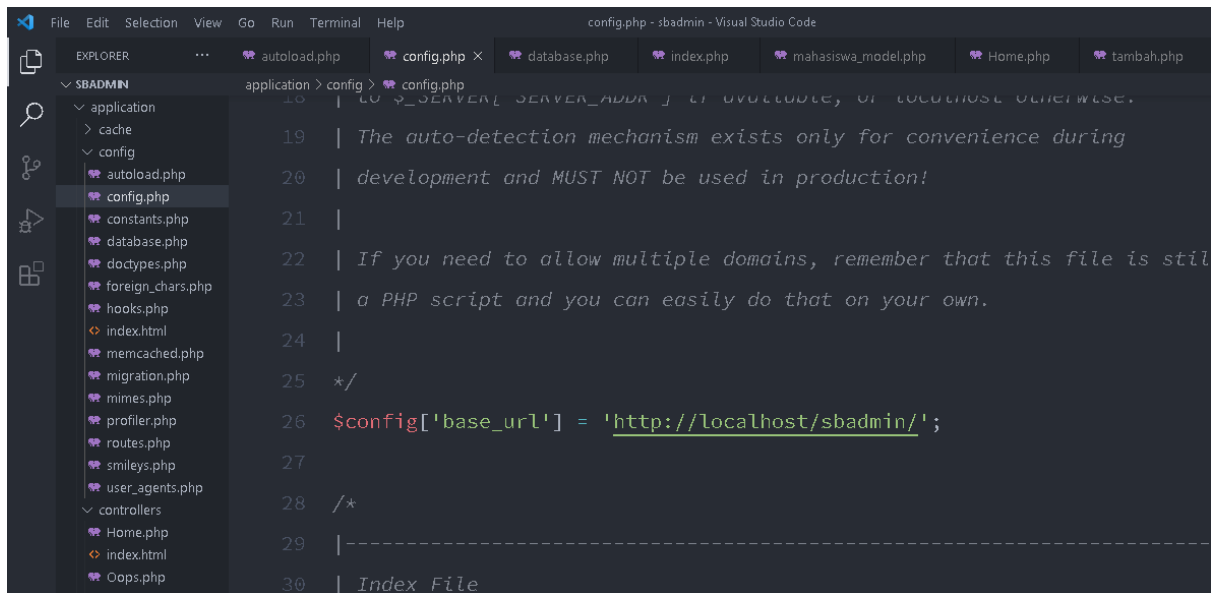
4. Di dalam database ini terdapat 2 tabel yaitu tm_user, dan tm_grup yang dimana pada tm_user kita membuat primary key pada id dan primary key pada id_grup pada tm_grup. Dan jangan lupa untuk mengisi data pada tm_user dan tm_grup



- Setelah selesai membuat database beserta tabel dan data nya, atur file autoload nya

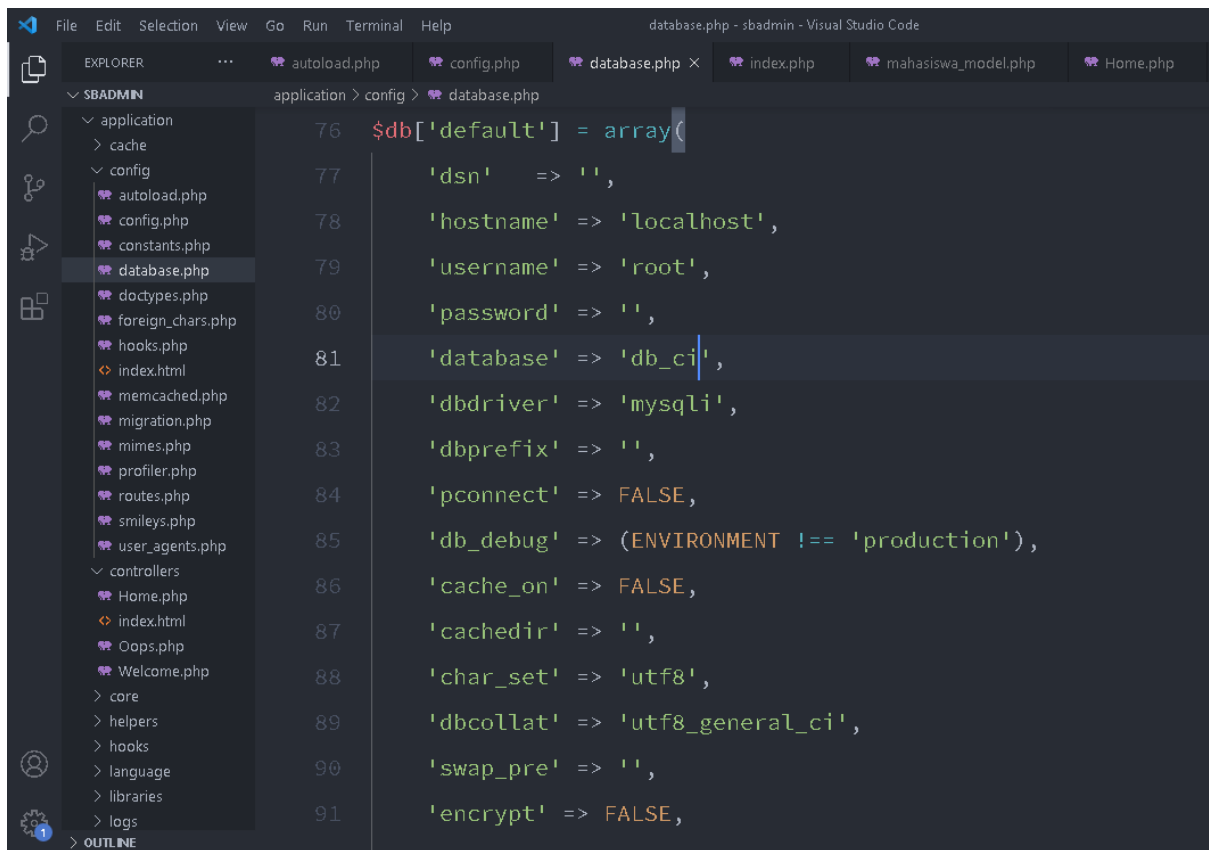


- Setelah autoload selesai, kita atur config dan file database pada file config



```
18 |  if (isset($_SERVER['SERVER_ADDR']) && !empty($_SERVER['SERVER_ADDR'])) {
19 |      // The auto-detection mechanism exists only for convenience during
20 |      // development and MUST NOT be used in production!
21 |  }
22 |
23 |  If you need to allow multiple domains, remember that this file is still
24 |  a PHP script and you can easily do that on your own.
25 |
26 |  */
27 |
28 |  $config['base_url'] = 'http://localhost/sbadmin/';
29 |
30 |  /*
31 |  -----
32 |  Index File
```

*file config



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

*file database

7. Buatlah file head yang berisi coding head pada blank.html

```
File Edit Selection View Go Run Terminal Help
header.php - sbadmin - Visual Studio Code
application > views > templates > header.php
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5
6     <meta charset="utf-8">
7     <meta http-equiv="X-UA-Compatible" content="IE=edge">
8     <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
9     <meta name="description" content="">
10    <meta name="author" content="">
11
12    <title>TUGAS CRUD</title>
13
14    <!-- Custom fonts for this template-->
15    <link href="<? = base_url('assets/admin/'); ?>vendor/fontawesome-free/css/all.min.css"
16          rel="stylesheet" type="text/css">
```

```
File Edit Selection View Go Run Terminal Help
header.php - sbadmin - Visual Studio Code
application > views > templates > header.php
16 rel="stylesheet" type="text/css">
17 <link href="https://fonts.googleapis.com/css?family=Nunito:200,
18 200i,300,300i,400,400i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
19
20 <!-- Custom styles for this template-->
21 <link href="<? = base_url('assets/admin/'); ?>css/sb-admin-2.min.css" rel="stylesheet">
22
23 </head>
24
25 <body id="page-top">
26
27     <!-- Page Wrapper -->
28     <div id="wrapper">
```

8. Lanjut, setelah file head selesai buat sidebar

```
File Edit Selection View Go Run Terminal Help
• sidebar.php - sbadmin - Visual Studio Code

application > views > templates > sidebar.php

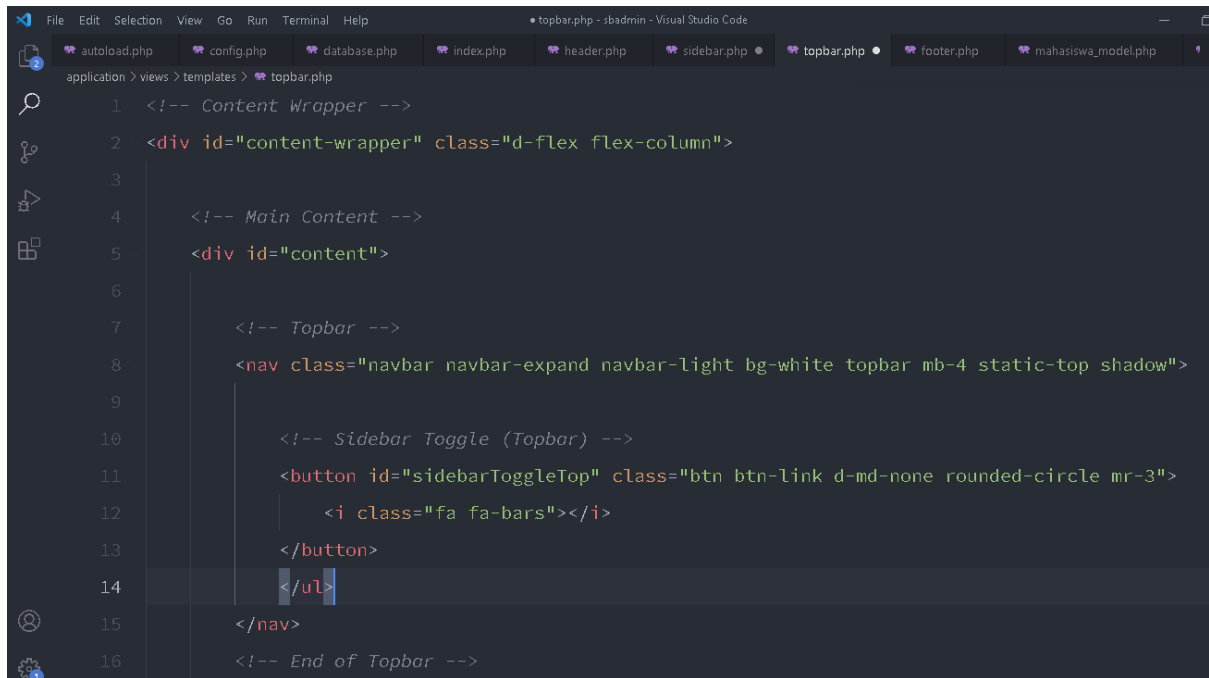
1 <!-- Sidebar -->
2 <ul class="navbar-nav bg-gradient-primary sidebar sidebar-dark accordion" id="accordionSidebar">
3
4 <!-- Sidebar - Brand -->
5 <a class="sidebar-brand d-flex align-items-center justify-content-center"
6 href="= base_url(); ?">
7 <div class="sidebar-brand-icon rotate-n-15">
8 <i class="fas fa-laugh-wink"></i>
9 </div>
10 <div class="sidebar-brand-text mx-3">Aplikasi CRUD</div>
11 </a>
12
13 <!-- Divider -->
14 <hr class="sidebar-divider my-0">
15
16 <!-- Nav Item - Dashboard -->
```

```
File Edit Selection View Go Run Terminal Help
• sidebar.php - sbadmin - Visual Studio Code

application > views > templates > sidebar.php

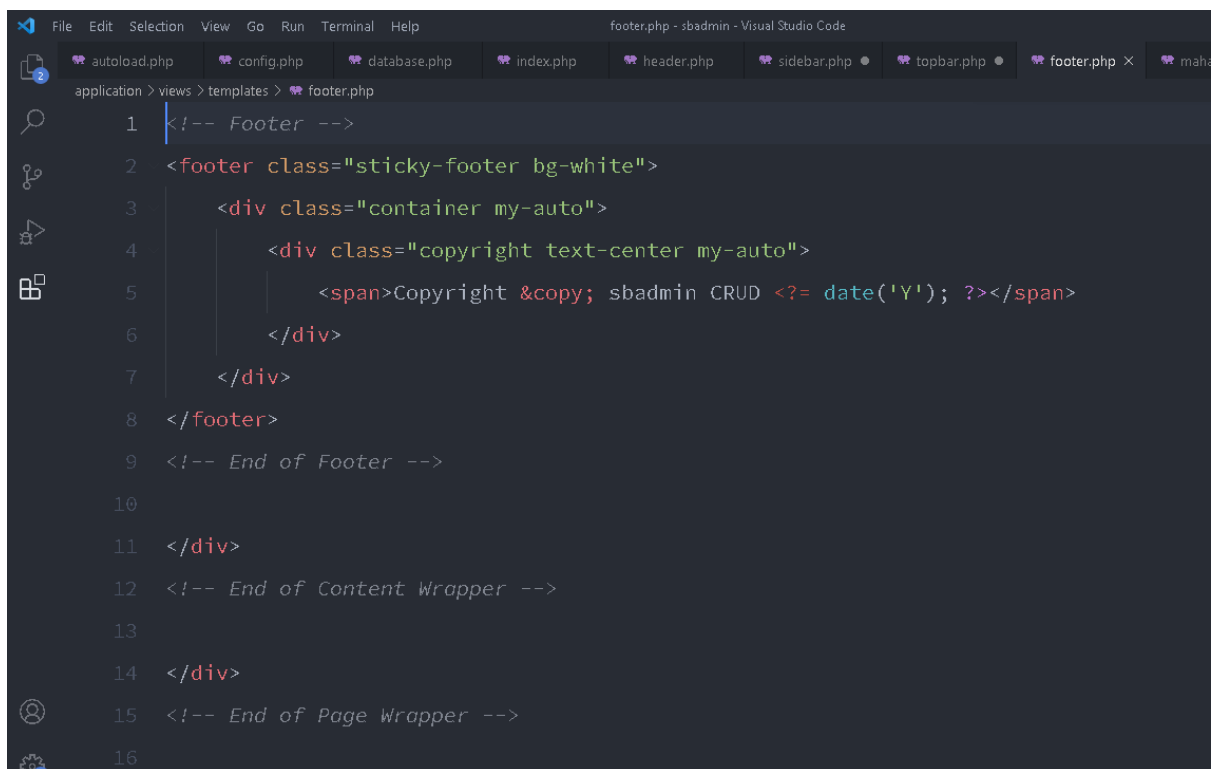
16 <!-- Nav Item - Dashboard -->
17 <li class="nav-item">
18 <a class="nav-link" href="= base_url(); ?">
19 <i class="fas fa-fw fa-tachometer-alt"></i>
20 <span>Dashboard</span></a>
21 </li>
22 <!-- Divider -->
23 <hr class="sidebar-divider d-none d-md-block">
24
25 <!-- Sidebar Toggler (Sidebar) -->
26 <div class="text-center d-none d-md-inline">
27 <button class="rounded-circle border-0" id="sidebarToggle"></button>
28 </div>
29 </ul>
30 <!-- End of Sidebar -->
```

9. Setelah itu, buat file topbar

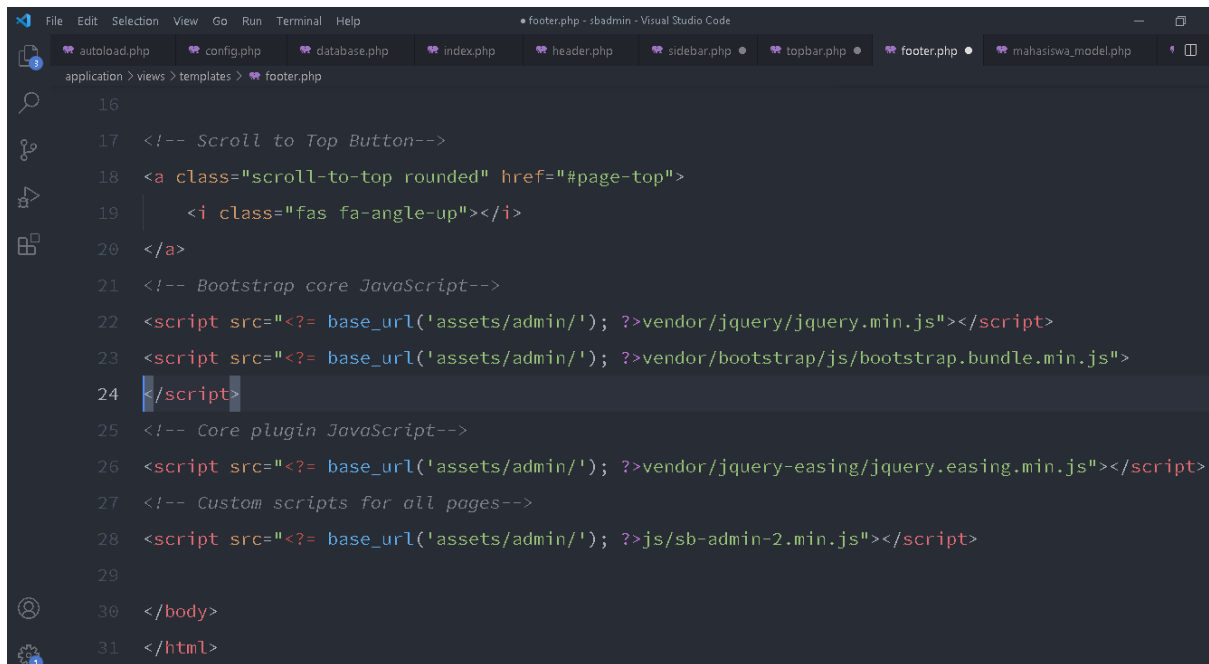


```
1 <!-- Content Wrapper -->
2 <div id="content-wrapper" class="d-flex flex-column">
3
4     <!-- Main Content -->
5     <div id="content">
6
7         <!-- Topbar -->
8         <nav class="navbar navbar-expand navbar-light bg-white topbar mb-4 static-top shadow">
9
10             <!-- Sidebar Toggle (Topbar) -->
11             <button id="sidebarToggleTop" class="btn btn-link d-md-none rounded-circle mr-3">
12                 <i class="fa fa-bars"></i>
13             </button>
14         </nav>
15     </div>
16     <!-- End of Topbar -->
```

10. Setelah topbar selesai, buat lagi file footer

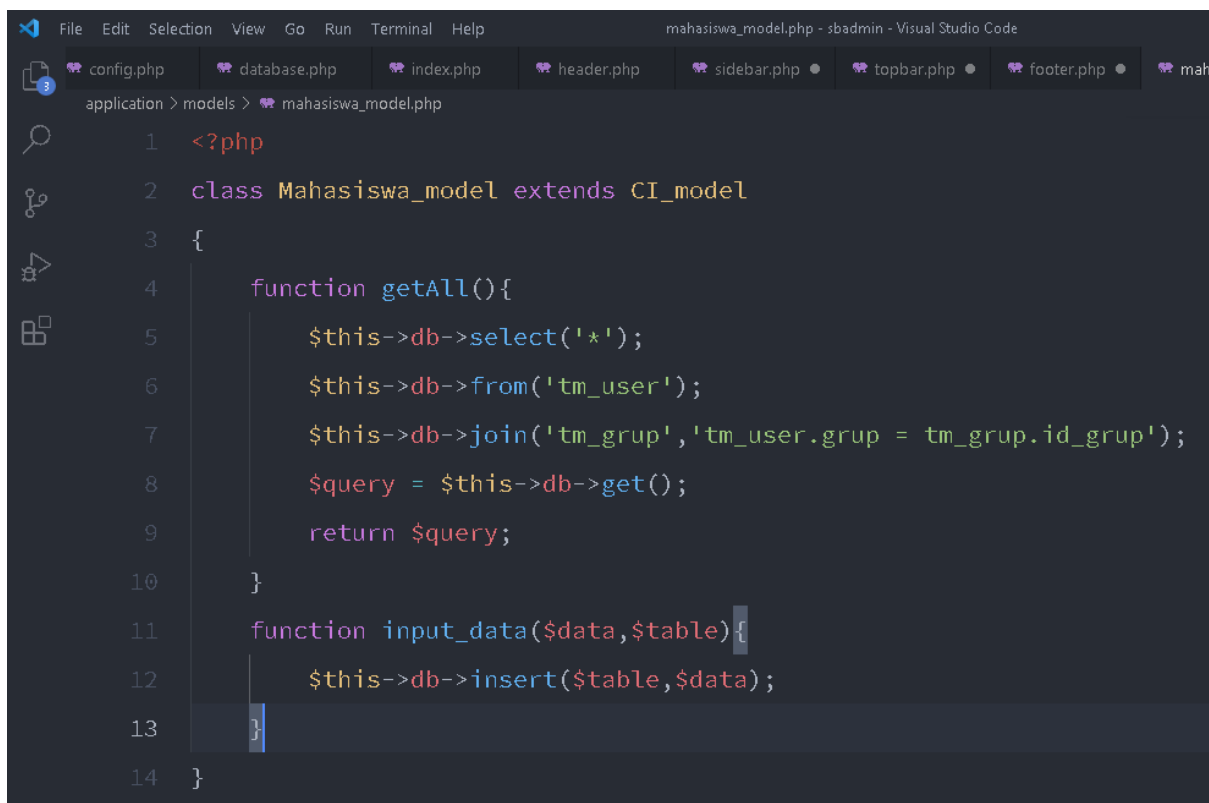


```
1 <!-- Footer -->
2 <footer class="sticky-footer bg-white">
3     <div class="container my-auto">
4         <div class="copyright text-center my-auto">
5             <span>Copyright &copy; sbadmin CRUD <?= date('Y'); ?></span>
6         </div>
7     </div>
8 </footer>
9 <!-- End of Footer -->
10
11 </div>
12 <!-- End of Content Wrapper -->
13
14 </div>
15 <!-- End of Page Wrapper -->
16
```

```
16
17 <!-- Scroll to Top Button-->
18 <a class="scroll-to-top rounded" href="#page-top">
19     <i class="fas fa-angle-up"></i>
20 </a>
21 <!-- Bootstrap core JavaScript-->
22 <script src="= base_url('assets/admin/'); ?&gt;vendor/jquery/jquery.min.js"&gt;&lt;/script&gt;
23 &lt;script src="<?= base_url('assets/admin/'); ?&gt;vendor/bootstrap/js/bootstrap.bundle.min.js"&gt;
24 &lt;/script&gt;
25 &lt;!-- Core plugin JavaScript--&gt;
26 &lt;script src="<?= base_url('assets/admin/'); ?&gt;vendor/jquery-easing/jquery.easing.min.js"&gt;&lt;/script&gt;
27 &lt;!-- Custom scripts for all pages--&gt;
28 &lt;script src="<?= base_url('assets/admin/'); ?&gt;js/sb-admin-2.min.js"&gt;&lt;/script&gt;
29
30 &lt;/body&gt;
31 &lt;/html&gt;</pre
```

11. Setelah kita selesai mengkopi codingan nya, kita membuat mahasiswa_model yang dapat mengambil data dari database



```
1 <?php
2 class Mahasiswa_model extends CI_model
3 {
4     function getAll(){
5         $this->db->select('*');
6         $this->db->from('tm_user');
7         $this->db->join('tm_grup','tm_user.grup = tm_grup.id_grup');
8         $query = $this->db->get();
9         return $query;
10    }
11    function input_data($data,$table){
12        $this->db->insert($table,$data);
13    }
14 }
```

12. Setelah selesai kita akan membuat index yang dapat menampilkan Codingan dari SbAdmin yang telah kita kopi kodingan nya, dan menampilkan data – data dari database

```
File Edit Selection View Go Run Terminal Help
Home.php - sbadmin - Visual Studio Code

application > controllers > Home.php

1 <?php
2 defined('BASEPATH') or exit('No direct script access allowed');
3
4 class Home extends CI_Controller
5 {
6     public function __construct()
7     {
8         parent::__construct();
9         $this->load->model('mahasiswa_model');
10        $this->load->library('form_validation');
11    }
12
13    // menampilkan semua data
14    public function index()
15    {
16        $data['user'] = $this->mahasiswa_model->getAll()->result();
```

```
File Edit Selection View Go Run Terminal Help
Home.php - sbadmin - Visual Studio Code

application > controllers > Home.php

17    // Pagination
18    $this->load->library('pagination');
19
20    // config
21    $config['base_url'] = 'http://localhost/sbadmin/home/index/';
22
23    $this->load->view('templates/header', $data);
24    $this->load->view('templates/sidebar');
25    $this->load->view('templates/topbar');
26    $this->load->view('home/index', $data);
27    $this->load->view('templates/footer');
28    }
29    public function tambah(){
30        $this->form_validation->set_rules('username', 'username', 'required');
31        $this->form_validation->set_rules('password', 'password', 'required');
32        $this->form_validation->set_rules('nama', 'nama', 'required');
33        $this->form_validation->set_rules('grup', 'grup', 'required');
```

```
File Edit Selection View Go Run Terminal Help
Home.php - sbadmin - Visual Studio Code
database.php index.php header.php sidebar.php topbar.php footer.php mahasiswa_model.php Home.php X
application > controllers > Home.php

34
35     if ($this->form_validation->run() == false) {
36         $data['title'] = 'Tambah Data';
37         $this->load->view('templates/header');
38         $this->load->view('templates/sidebar');
39         $this->load->view('templates/topbar');
40         $this->load->view('home/tambah');
41         $this->load->view('templates/footer');
42     } else {
43         $data = [
44             'username' => htmlspecialchars($this->input->post('username', true)),
45             'password' => htmlspecialchars($this->input->post('password', true)),
46             'nama' => htmlspecialchars($this->input->post('nama', true)),
47             'grup' => htmlspecialchars($this->input->post('grup', true))
48         ];
49         $this->Peoples_model->input_data($data, 'tm_user');
```

```
File Edit Selection View Go Run Terminal Help
Home.php - sbadmin - Visual Studio Code
database.php index.php header.php sidebar.php topbar.php footer.php mahasiswa_model.php Home.php X
application > controllers > Home.php

45         'password' => htmlspecialchars($this->input->post('password', true)),
46         'nama' => htmlspecialchars($this->input->post('nama', true)),
47         'grup' => htmlspecialchars($this->input->post('grup', true))
48     ];
49     $this->Peoples_model->input_data($data, 'tm_user');
50     redirect('home');
51
52 }
53
54 }
```

13. Lanjut, kita akan membuat desain tampilan pada content web kita, dan membuat tabel yang berisi data – data database

```
1 <div class="card shadow mb-4">
2   <div class="card-header py-3">
3     <h6 class="m-0 font-weight-bold text-primary">DataTables User</h6></div>
4   <div class="card-body">
5     <div class="table-responsive">
6       <table class="table table-bordered" id="dataTable" width="100%" cellspacing="0">
7         <thead>
8           <tr><th>No</th>
9             <th>Username</th>
10            <th>Nama</th>
11            <th>Grup</th>
12          </tr>
13        </thead>
14        <tfoot>
15          <tr><th>No</th>
16            <th>Username</th>
```

```
17      <th>Nama</th>
18      <th>Grup</th>
19    </tr></thead>
20  </tfoot>
21  <tbody>
22    <?php $no = 1;
23    foreach($user as $baris){
24      ?>
25      <tr><td><?php echo $no++; ?> </td>
26        <td><?php echo $baris->username; ?></td>
27        <td><?php echo $baris->nama; ?></td>
28        <td><?php echo $baris->grup; ?></td>
29      </td></td></tr>
30    <?php } ?>
31  </tbody>
32 </table>
```

```
File Edit Selection View Go Run Terminal Help
index.php - sbadmin - Visual Studio Code
database.php index.php x header.php sidebar.php topbar.php footer.php mahasiswa_model.php Home.php tambah.php
application > views > home > index.php
33 <a href="<?php echo base_url('home/tambah')?>" class="btn btn-success btn-icon-split">
34 <span class="text">Tambah Data</span>
35 </a>
36 </div>
37 </div>
38 </div>
39
```

14. Setelah maka hasil nya akan seperti ini

TUGAS CRUD

APLIKASI
CRUD

Dashboard

DataTables User

No	Username	Nama	Grup	
1	admin1	admin	admin	
2	robin	nico robin	user	
3	zoro	roronoea zoro	user	
4	sanji	sanji vinsmoke	user	
No	Username	Nama	Grup	

Tambah Data

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15. Setelah itu kita akan menambahkan desain template untuk tambah data dan button tambah data, untuk menambahkan data User

```
File Edit Selection View Go Run Terminal Help
• tambah.php - sbadmin - Visual Studio Code

application > views > home > tambah.php

1 <div class="row">
2     <div class="col-lg-7">
3         <div class="p-5">
4             <div class="text-center">
5                 <h1 class="h4 text-gray-900 mb-4">Tambah User</h1></div>
6                 <form class="user" action="<?php echo base_url('home/tambah');?>" method="post">
7
8                 <div class="form-group">
9                     <input type="text" class="form-control form-control-user" id="username"
10                        name="username" placeholder="Username Maximal 10 Character" require>
11                 </div>
12                 <div class="form-group">
13                     <input type="password" class="form-control form-control-user" id="password"
14                        name="password" placeholder="Password Maximal 6 Character" require>
15                 </div>
16                 <div class="form-group">
```

```
File Edit Selection View Go Run Terminal Help
• tambah.php - sbadmin - Visual Studio Code

application > views > home > tambah.php

17 <input type="text" class="form-control form-control-user" id="nama"
18     name="nama" placeholder="Name Maximal 20 Character" require>
19 </div>
20 <div class="form-group">
21 <select id="grup" class="form-control" name="grup" require>
22 <option value="0">Pilih Grup User</option>
23 <option value="1">Admin</option>
24 <option value="2">User</option>
25 </select>
26 </div>
27 <input type="submit" class="btn btn-success btn-icon-split" name="submit" value="Tambah">
28 </form><hr>
29 <div class="text-center">
30 <a class="small" href="index">Kembali</a>
31 </div></div></div></div>
```

16. Hasil nya akan tampil seperti ini

APLIKASI CRUD

Dashboard

Tambah User

[Tambah](#)

[Kembali](#)

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17. Setelah kita menambahkan data hasil nya akan tampak seperti ini

APLIKASI CRUD

Dashboard

DataTables User

No	Username	Nama	Grup
1	admin1	admin	admin
2	robin	nico robin	user
3	zoro	roronoea zoro	user
4	sanji	sanji vinsmoke	user
5	Eren	Eren Yaeger	admin

[Tambah Data](#)

Link github :

[https://github.com/agnarizky121/E31191434_AgnaRizky_Go1C_WebFramework/tree/main/
BKPM%20TEMPLATE%20DAN%20CRUD/ci](https://github.com/agnarizky121/E31191434_AgnaRizky_Go1C_WebFramework/tree/main/BKPM%20TEMPLATE%20DAN%20CRUD/ci)