

WEB III

Implementasi ajax jquery kita akan mengerjakan studi kasus projek membuat aplikasi menggunakan database. Adapun tahapannya sebagai berikut :

1. Download template dengan link sebagai berikut :
<https://app.box.com/s/as2dews800z3b82gyveootyyu20yqkvb>
2. Download framework php codeigniter 4
3. Extract hasil download
4. Ubah nama folder framework codeigniter yang telah di download menjadi **ci4ajax**
5. Buka teks editor Visual Studio Code kemudian drag/tambahkan folder **ci4ajax** ke teks editor tersebut.
6. Tambahkan file dengan nama **.htaccess** dengan intruksi sebagai berikut :

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

7. Lakukan configurasi pada .env : **CI_ENVIRONMENT = development**
8. Lakukan configurasi pada app/Config/App.php : **public \$indexPage = ' ';**
9. Copy folder assets(template pada folder 'annexadmin-13\Annex_v1.3\Admin\horizontal ke folder framework ci4ajax\public

assets	25 Jun 2019 12.43	File folder	
advanced-alertify	16 Feb 2018 13.52	Firefox HTML Docum...	28 KB
advanced-highlight	16 Feb 2018 13.48	Firefox HTML Docum...	22 KB
advanced-rangeslider	16 Feb 2018 13.54	Firefox HTML Docum...	26 KB
advanced-rating	16 Feb 2018 13.50	Firefox HTML Docum...	29 KB
calendar	16 Feb 2018 15.40	Firefox HTML Docum...	23 KB
charts-c3	16 Feb 2018 15.53	Firefox HTML Docum...	24 KB
charts-chartist	16 Feb 2018 15.47	Firefox HTML Docum...	27 KB
charts-chartjs	16 Feb 2018 15.49	Firefox HTML Docum...	25 KB
charts-flot	16 Feb 2018 15.51	Firefox HTML Docum...	25 KB

Folder ci4ajax\public

📁 assets	23 Apr 2024 12.04	File folder
📄 .htaccess	3 Jan 2022 16.59	HTACCESS File
🔥 favicon	3 Jan 2022 16.59	ICO File
📝 index	3 Jan 2022 16.59	PHP Source File
📄 robots	3 Jan 2022 16.59	Text Document

10. Buat Controller dengan nama Layout.php tambahkan intruksi sebagai berikut :

```
1 <?php
2
3 namespace App\Controllers;
4
5 class Layout extends BaseController
6 {
7     public function index()
8     {
9         return view('layout/beranda');
10    }
11 }
12 |
```

11. Tambahkan folder dengan nama layout pada views

12. Tambahkan view dengan nama beranda.php, main.php dan menu.php.

13. Klik **index.html** pada folder template link annexadmin-13\annexadmin-13\Annex_v1.3\Admin\horizontal

⊕ ANNEX

English 🇺🇸 21 120 x 120

The screenshot displays a dashboard with the following key elements:

- Dashboard Header:** Includes tabs for Dashboard, Advanced UI, User Interface, Components, and Pages. A breadcrumb navigation shows Annex / Dashboard.
- Dashboard Metrics:** Four cards showing real-time data:
 - Visits Today: \$18090 (down 5.26%)
 - New Users: 562 (up 8.68%)
 - New Orders: 7514 (down 2.35%)
 - Total Sales: \$32874 (up 2.35%)
- OVERVIEW:** A line chart showing fluctuating data over time, with two series: a blue line peaking around 150 and a pink line peaking around 160.
- REVENUE BY COUNTRY:** A donut chart showing revenue distribution across Canada, USA, and London.

14. Pilih menu Pages/Blank Page kemudian view page source

The screenshot shows the Annex Admin Dashboard. At the top, there's a navigation bar with tabs: Dashboard, Advanced UI, User Interface, Components, Pages (which is currently selected), and Annex / Dashboard. Below the navigation bar is a dashboard section with various metrics and charts. On the right side, there's a sidebar with a tree view showing 'Dashboard', 'Login', 'Blank Page', 'Register', 'Error 404', 'Recover Password', 'Error 500', and 'Lock Screen'. The 'Blank Page' item is highlighted with a red border.

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=0, minimal-ui">
    <title>Annex - Responsive Bootstrap 4 Admin Dashboard</title>
    <meta content="Admin Dashboard" name="description" />
    <meta content="Mannatthemes" name="author" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />

    <link rel="shortcut icon" href="assets/images/favicon.ico">
    <link href="assets/plugins/morris/morris.css" rel="stylesheet">
    <link href="assets/css/bootstrap.min.css" rel="stylesheet" type="text/css">
    <link href="assets/css/icons.css" rel="stylesheet" type="text/css">
    <link href="assets/css/style.css" rel="stylesheet" type="text/css">

  </head>

  <body>

    <!-- Loader -->
    <div id="preloader"><div id="status"><div class="spinner"></div></div></div>

    <!-- Navigation Bar-->
    <header id="topnav">
      <div class="topbar-main">
        <div class="container-fluid">

          <!-- Logo container-->
          <div class="logo">
```

15. Copy intruksi pada page source tersebut ke view main.php

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset="utf-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=0, minimal-ui">
        <title>Annex - Responsive Bootstrap 4 Admin Dashboard</title>
        <meta content="Admin Dashboard" name="description" />
        <meta content="Mannatthemes" name="author" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />

        <link rel="shortcut icon" href="assets/images/favicon.ico">

        <link href="assets/plugins/morris/morris.css" rel="stylesheet">

        <link href="assets/css/bootstrap.min.css" rel="stylesheet" type="text/css">
        <link href="assets/css/icons.css" rel="stylesheet" type="text/css">
        <link href="assets/css/style.css" rel="stylesheet" type="text/css">

    </head>

    <body>

        <!-- Loader -->
        <div id="preloader"><div id="status"><div class="spinner"></div></div></div>

        <!-- Navigation Bar-->
        <header id="topnav">
            <div class="topbar-main">
                <div class="container-fluid">
```

16. Lakukan perubahan pada intruksi tersebut sebagai berikut :

```
1   <!DOCTYPE html>
2   <html>
3
4   <head>
5       <meta charset="utf-8" />
6       <meta http-equiv="X-UA-Compatible" content="IE=edge">
7       <meta name="viewport" content="width=device-width, initial-scale=1.0,
8           user-scalable=0, minimal-ui">
9       <title>Annex - Responsive Bootstrap 4 Admin Dashboard</title>
10      <meta content="Admin Dashboard" name="description" />
11      <meta content="Mannatthemes" name="author" />
12      <meta http-equiv="X-UA-Compatible" content="IE=edge" />

13      <link rel="shortcut icon" href="= base_url() ?&gt;/assets/images/favicon.ico"&gt;
14
15      &lt;link href="<?= base_url() ?&gt;/assets/css/bootstrap.min.css" rel="stylesheet"
16          type="text/css"&gt;
17      &lt;link href="<?= base_url() ?&gt;/assets/css/icons.css" rel="stylesheet" type="text/
18          css"&gt;
19      &lt;link href="<?= base_url() ?&gt;/assets/css/style.css" rel="stylesheet" type="text/
20          css"&gt;
21
22
23   &lt;body&gt;
24
25       &lt;!-- Loader --&gt;
26       &lt;div id="preloader"&gt;
27           &lt;div id="status"&gt;
28               &lt;div class="spinner"&gt;&lt;/div&gt;
29           &lt;/div&gt;
30       &lt;/div&gt;
31</pre
```

```

32    <!-- Navigation Bar-->
33    <header id="topnav">
34      <div class="topbar-main">
35        <div class="container-fluid">
36
37          <!-- Logo container-->
38          <div class="logo">
39            <!-- Text Logo -->
40            <!--<a href="index.html" class="logo">-->
41            <!--Annex-->
42            <!--</a>-->
43            <!-- Image Logo -->
44            <a href="index.html" class="logo">
45              
71                  <a class="dropdown-item" href="#"> My Wallet</a>

```

```
73           </div>
74       </li>
75   <li class="menu-item list-inline-item">
76     <!-- Mobile menu toggle-->
77     <a class="navbar-toggle nav-link">
78       <div class="lines">
79         <span></span>
80         <span></span>
81         <span></span>
82       </div>
83     </a>
84     <!-- End mobile menu toggle-->
85   </li>
86
87   </ul>
88 </div>
89 <!-- end menu-extras -->
90
91   <div class="clearfix"></div>
92
93   </div> <!-- end container -->
94 </div>
95 <!-- end topbar-main -->
96
97 <!-- MENU Start -->
98 <div class="navbar-custom">
99   <div class="container-fluid">
100     <div id="navigation">
101       <!-- Navigation Menu-->
102       <ul class="navigation-menu">
103         <?=> $this->renderSection('menu') ?>
104       </ul>
105       <!-- End navigation menu -->
106     </div> <!-- end #navigation -->
107   </div> <!-- end container -->
108
109 </div> <!-- end navbar-custom -->
110 </header>
111 <!-- End Navigation Bar-->
112
113 <div class="wrapper">
114   <div class="container-fluid">
115
116     <!-- Page-Title -->
117     <div class="row">
118       <?=> $this->renderSection('isi') ?>
119     </div>
120     <!-- end page title end breadcrumb -->
121
122   </div> <!-- end container -->
123 </div>
124 <!-- end wrapper -->
125
```

```

126      <!-- Footer -->
127      <footer class="footer">
128          <div class="container-fluid">
129              <div class="row">
130                  <div class="col-12">
131                      @latihan <?= date('d M Y') ?>
132                  </div>
133              </div>
134          </div>
135      </footer>
136      <!-- End Footer -->
137
138
139
140      <!-- jQuery -->
141      <script src="= base_url() ?&gt;/assets/js/popper.min.js"&gt;&lt;/script&gt;
142      &lt;script src="<?= base_url() ?&gt;/assets/js/bootstrap.min.js"&gt;&lt;/script&gt;
143      &lt;script src="<?= base_url() ?&gt;/assets/js/modernizr.min.js"&gt;&lt;/script&gt;
144
145      &lt;script src="<?= base_url() ?&gt;/assets/js/waves.js"&gt;&lt;/script&gt;
146      &lt;script src="<?= base_url() ?&gt;/assets/js/jquery.slimscroll.js"&gt;&lt;/script&gt;
147      &lt;script src="<?= base_url() ?&gt;/assets/js/jquery.nicescroll.js"&gt;&lt;/script&gt;
148      &lt;script src="<?= base_url() ?&gt;/assets/js/jquery.scrollTo.min.js"&gt;&lt;/script&gt;
149
150      &lt;!-- App js --&gt;
151      &lt;script src="<?= base_url() ?&gt;/assets/js/app.js"&gt;&lt;/script&gt;
152
153
154  &lt;/html&gt;
</pre

```

17. Tambahkan intruksi pada beranda.php sebagai berikut :

```

1  <?= $this->extend('layout/main') ?>
2  <?= $this->extend('layout/menu') ?>
3  <?= $this->Section('isi') ?>
4  <div class="col-sm-12">
5      <div class="page-title-box">
6          <h4 class="page-title">Selamat Datang</h4>
7      </div>
8  </div>
9
10 <div class="col-sm-12">
11     <div class="card m-b-30">
12         <h4 class="card-header mt-0">Halo</h4>
13         <div class="card-body">
14             <p class="card-text"></p>
15             <div class="alert alert-info">
16                 Ini Latihan Membuat CRUD di CI 4 Full Ajax JQuery
17             </div>
18         </div>

```

```
19    </div>
20  </div>
21  <?= $this->endSection() ?>
```

18. Tambahkan intruksi pada menu.php sebagai berikut :

```
1  <?= $this->extend('layout/main') ?>
2  <?= $this->Section('menu') ?>
3  <li class="has-submenu">
4    <a href="= site_url('layout/index') ?&gt;"&gt;&lt;i class="mdi mdi-airplay"&gt;&lt;/i&gt;Beranda&lt;/a&gt;
5  &lt;/li&gt;
6
7  &lt;li class="has-submenu"&gt;
8    &lt;a href="<?= site_url('layout/index') ?&gt;"&gt;Mahasiswa&lt;/a&gt;
9  &lt;/li&gt;
10 &lt;?= $this-&gt;endSection() ?&gt;</pre
```

19. Hasil Layout sebagai berikut :

ANNEX

Selamat Datang

Halo

Ini Latihan Membuat CRUD di CI 4 Full Ajax JQuery

View / Tampil Data

The screenshot shows a web-based application interface. At the top, there is a blue header bar with the text "ANNEX" and "Beranda Mahasiswa". Below the header, the main content area has a title "Data Mahasiswa". A table is displayed with the following columns: No, NIM, Nama Lengkap, Tempat - Tanggal Lahir, Jenis Kelamin, and Aksi. There is one entry in the table: No 1, NIM 1014078301, Name Darmanta Sukri Anto, Birthplace Pekanbaru, Date of Birth 2013-11-11, Gender L, and Action button Aksi. Below the table, it says "Showing 1 to 1 of 1 entries". At the bottom right of the page, there is a copyright notice "©latihan 07 May 2024" and a small fire icon.

1. Buat database dengan nama **dbc14ajax123**. 123 adalah 3 angka NIM terakhir.
2. Buat tabel dengan nama mahasiswa123. Masukkan data manual ke tabel mahasiswa. Nama tabel dan field diakhiri 3 angka NIM terakhir.

The screenshot shows the MySQL Workbench interface. The top navigation bar shows "Server: 127.0.0.1 » Database: dbc14ajax » Table: mahasiswa". Below the navigation bar, there are tabs for "Browse", "Structure", "SQL", "Search", "Insert", "Export", "Import", "Privileges", "Operations", and "Triggers". The "Structure" tab is selected. The table structure is shown in a grid with the following columns: #, Name, Type, Collation, Attributes, Null, Default, Comments, Extra, and Action. The columns are: id_mahasiswa (int(11)), nim (varchar(15)), nama (varchar(30)), tmlahir (varchar(30)), tgllahir (date), jenkel (char(1)), and tgl_entry (datetime). Each column has a "Change", "Drop", and "More" button in the Action column.

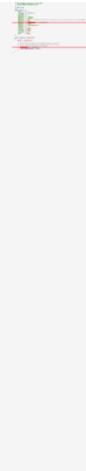
3. Buka teks editor Visual Studio Code, copy dan paste file env dan rename menjadi .env untuk configurasi.
4. Lakukan configurasi pada file .env.

The screenshot shows a code editor with the following content:

```
14 # ENVIRONMENT
15 #-----
16
17 CI_ENVIRONMENT = development
18
19 #-----
```

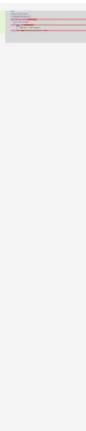
5. Lakukan koneksi data base di app/Config/Database.php.

```
13     public $default = [
14         'DSN'      => '',
15         'hostname' => 'localhost',
16         'username' => 'root',
17         'password' => '',
18         'database' => 'dbc14ajax',
19         'DBDriver'  => 'MySQLI',
20         'DBPrefix'  => '',
21         'pConnect'  => false,
22         'DBDebug'   => (ENVIRONMENT !== 'production'),
23         'charset'   => 'utf8',
24         'DBCollat'  => 'utf8_general_ci',
25         'swapPre'   => '',
26         'encrypt'   => false,
27         'compress'  => false,
28         'strictOn'  => false,
29         'failover'  => [],
30         'port'      => 3306,
31     ];
32 
```



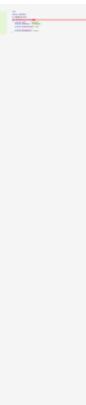
6. Buat controller dengan nama Mahasiswa.php

```
1 <?php
2
3 namespace App\Controllers;
4
5 use App\Models\Modelmahasiswa;
6
7 class Mahasiswa extends BaseController
8 {
9     public function index()
10    {
11        $mhs = new Modelmahasiswa;
12        $data = [
13            'tampildata' => $mhs->findAll()
14        ];
15        return view('mahasiswa/viewTampildata', $data);
16    }
17 } 
```



7. Buat Model dengan nama Modelmahasiswa.php

```
1 <?php
2
3 namespace App\Models;
4
5 use CodeIgniter\Model;
6
7 class Modelmahasiswa extends Model
8 {
9     protected $table      = 'mahasiswa';
10    protected $primaryKey = 'id_mahasiswa';
11
12    protected $useAutoIncrement = true;
13
14    // Field yang wajib di isi
15    protected $allowedFields = ['nim'];
16 } 
```



8. Buat folder dengan nama mahasiswa di views.
9. Buat view di folder mahasiswa dengan nama viewTampildata.php

```

1  <?= $this->extend('layout/main') ?>
2  <?= $this->extend('layout/menu') ?>
3  <?= $this->Section('isi') ?>
4
5  <!-- DataTables -->
6  <link href="= base_url() ?&gt;/assets/plugins/datatables/dataTables.bootstrap4.min.css" rel="stylesheet" type="text/css" /&gt;
7  &lt;link href="<?= base_url() ?&gt;/assets/plugins/datatables/buttons.bootstrap4.min.css" rel="stylesheet" type="text/css" /&gt;
8  &lt;!-- Responsive datatable examples --&gt;
9  &lt;link href="<?= base_url() ?&gt;/assets/plugins/datatables/responsive.bootstrap4.min.css" rel="stylesheet" type="text/css" /&gt;
10 &lt;!-- Required datatable js --&gt;
11 &lt;script src="<?= base_url() ?&gt;/assets/plugins/datatables/jquery.dataTables.min.js"&gt;&lt;/script&gt;
12 &lt;script src="<?= base_url() ?&gt;/assets/plugins/datatables/dataTables.bootstrap4.min.js"&gt;&lt;/script&gt;
13
14 &lt;div class="col-sm-12"&gt;
15   &lt;div class="page-title-box"&gt;
16     &lt;h4 class="page-title"&gt;Data Mahasiswa&lt;/h4&gt;
17   &lt;/div&gt;
18 &lt;/div&gt;
19
20 &lt;div class="col-sm-12"&gt;
21   &lt;div class="card m-b-30"&gt;
22     &lt;div class="card-body"&gt;
23       &lt;p class="card-text"&gt;
24         &lt;table class="table table-sm table-striped" id="datamahasiswa"&gt;
25           &lt;thead&gt;
26             &lt;tr&gt;
27               &lt;th&gt;No&lt;/th&gt;
28               &lt;th&gt;NIM&lt;/th&gt;
29               &lt;th&gt;Nama Lengkap&lt;/th&gt;
30               &lt;th&gt;Tempat - Tanggal Lahir&lt;/th&gt;
31               &lt;th&gt;Jenis Kelamin&lt;/th&gt;
32               &lt;th&gt;Aksi&lt;/th&gt;
33             &lt;/tr&gt;
34           &lt;/thead&gt;
35           &lt;tbody&gt;
36             &lt;?php $nomor = 0;
37             foreach ($tampildata as $row) : $nomor++; ?&gt;
38             &lt;tr&gt;
39               &lt;td&gt;&lt;?= $nomor; ?&gt;&lt;/td&gt;
40               &lt;td&gt;&lt;?= $row['nim'] ?&gt;&lt;/td&gt;
41               &lt;td&gt;&lt;?= $row['nama'] ?&gt;&lt;/td&gt;
42               &lt;td&gt;&lt;?= $row['tmplahir'] ?&gt; - &lt;?= $row['tgllahir'] ?&gt;&lt;/td&gt;
43               &lt;td&gt;&lt;?= $row['jenkel'] ?&gt;&lt;/td&gt;
44               &lt;td&gt;Aksi&lt;/td&gt;
45             &lt;/tr&gt;
46           &lt;?php endforeach; ?&gt;
47         &lt;/tbody&gt;
48       &lt;/table&gt;
49     &lt;/div&gt;
50   &lt;/div&gt;
51 &lt;/div&gt;
52 &lt;/div&gt;
53 &lt;script&gt;
54   $(document).ready(function() {
55     $('#datamahasiswa').DataTable();
56   });
57 &lt;/script&gt;
58 &lt;?= $this-&gt;endSection() ?&gt;</pre

```

10. Tampilan View data mahasiswa dan Form Tambah.

The screenshot shows a web application interface for managing student data. At the top, there's a blue header bar with the text "ANNEX" and navigation links "Beranda" and "Mahasiswa". Below the header, the main content area has a title "Data Mahasiswa". A "Tambah Data" button is visible. The central part of the screen is a table with columns: No, NIM, Nama Lengkap, Tempat - Tanggal Lahir, Jenis Kelamin, and Aksi. There is one entry in the table: No 1, NIM 1014078301, Name Darmanta Sukri Anto, Birthplace Pekanbaru, Date of Birth 2013-11-11, Gender L, and Action Aksi. Below the table, it says "Showing 1 to 1 of 1 entries". At the bottom right, there are "Previous", "1", and "Next" buttons. The footer of the page includes the text "©latihan 14 May 2024" and a small fire icon.

This screenshot shows a modal dialog box titled "Tambah Mahasiswa". It contains fields for inputting student information: "NIM" (with placeholder "Masukkan NIM"), "Nama Lengkap" (with placeholder "Masukkan Nama Lengkap"), "Tempat & Tanggal Lahir" (with placeholder "Masukkan Tempat Lahir" and a date input field "mm/dd/yyyy"), and "Jenis Kelamin" (with a dropdown menu placeholder "--Silahkan Pilih--"). At the bottom of the dialog are "Simpan" and "Close" buttons. The background of the dialog is semi-transparent, showing the "Data Mahasiswa" table from the previous screenshot.

11. Buat modul pada views dengan nama datamahasiswa.php.

12. Pindahkan code/script pada table di viewTampildata.php ke datamahasiswa.php.

```

1 <table class="table table-sm table-striped" id="datamahasiswa">
2   <thead>
3     <tr>
4       <th>No</th>
5       <th>NIM</th>
6       <th>Nama Lengkap</th>
7       <th>Tempat - Tanggal Lahir</th>
8       <th>Jenis Kelamin</th>
9       <th>Aksi</th>
10    </tr>
11  </thead>
12  <tbody>
13    <?php $nomor = 0;
14    foreach ($tampildata as $row) : $nomor++; ?>
15    <tr>
16      <td><?= $nomor; ?></td>
17      <td><?= $row['nim'] ?></td>
18      <td><?= $row['nama'] ?></td>
19      <td><?= $row['tmp_lahir'] ?? - <?= $row['tgllahir'] ?></td>
20      <td><?= $row['jenkel'] ?></td>
21      <td>Aksi</td>
22    </tr>
23  <?php endforeach; ?>
24 </tbody>
25 </table>
26 <script>
27   $(document).ready(function() {
28     $('#datamahasiswa').DataTable();
29   });
30 </script>

```

13. Tambahkan JQuery pada views modul viewTampildata.php

```

1 <?= $this->extend('layout/main') ?>
2 <?= $this->extend('layout/menu') ?>
3 <?= $this->Section('isi') ?>
4
5 <!-- DataTables -->
6 <link href=<?= base_url() ?>/assets/plugins/datatables/dataTables.bootstrap4.min.css" rel="stylesheet" type="text/css" />
7 <link href=<?= base_url() ?>/assets/plugins/datatables/buttons.bootstrap4.min.css" rel="stylesheet" type="text/css" />
8 <!-- Responsive datatable examples -->
9 <link href=<?= base_url() ?>/assets/plugins/datatables/responsive.bootstrap4.min.css" rel="stylesheet" type="text/css" />
10 <!-- Icons -->
11 <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.11.3/font/bootstrap-icons.min.css">
12 <!-- Required datatable js -->
13 <script src=<?= base_url() ?>/assets/plugins/datatables/jquery.dataTables.min.js"></script>
14 <script src=<?= base_url() ?>/assets/plugins/datatables/dataTables.bootstrap4.min.js"></script>
15
16 <div class="col-sm-12">
17   <div class="page-title-box">
18     <h4 class="page-title">Data Mahasiswa</h4>
19   </div>
20 </div>
21
22 <div class="col-sm-12">
23   <div class="card m-b-30">
24     <div class="card-body">
25       <div class="card-title">
26         <button type="button" class="btn btn-primary tomboltambah">
27           <i class="bi bi-plus-circle-fill"></i> Tambah Data
28         </button>
29       </div>

```

```

30     <p class="card-text viewdata">
31         </p>
32     </div>
33   </div>
34   <div class="viewmodal" style="display:none;"></div>
35 </script>
36     function datamahasiswa() {
37       $.ajax({
38         url: "<?=& site_url('mahasiswa/ambildata') ?>",
39         dataType: "json",
40         success: function(response) {
41           $('.viewdata').html(response.data);
42         },
43         error: function(xhr, ajaxOptions, thrownError) {
44           alert(xhr.status + "\n" + xhr.responseText + "\n" + thrownError);
45         }
46       });
47     }
48   $(document).ready(function() {
49     datamahasiswa();
50     $('.tomboltambah').click(function(e) {
51       e.preventDefault();
52       $.ajax({
53         url: "<?=& site_url('mahasiswa/formtambah') ?>",
54         dataType: "json",
55         success: function(response) {
56           $('.viewmodal').html(response.data).show();
57             $('#modaltambah').modal('show');
58         },
59         error: function(xhr, ajaxOptions, thrownError) {
60           alert(xhr.status + "\n" + xhr.responseText + "\n" + thrownError);
61         }
62       });
63     })
64   });
65 });
66 <?= $this->endSection() ?>

```

14. Tambahkan views dengan nama modaltambah.php

```

1  <!-- Modal -->
2  <div class="modal fade" id="modaltambah" tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
3    <div class="modal-dialog modal-lg">
4      <div class="modal-content">
5        <div class="modal-header">
6          <h5 class="modal-title" id="exampleModalLabel">Tambah Mahasiswa</h5>
7          <button type="button" class="close" data-dismiss="modal" aria-label="Close">
8            <span aria-hidden="true">&times;</span>
9          </button>
10        </div>
11        <?= form_open('mahasiswa/simpandata', ['class' => 'formmahasiswa']) ?>
12        <div class="modal-body">
13          <div class="form-group row">
14            <label for="nim" class="col-sm-2 col-form-label">NIM</label>
15            <div class="col-sm-10">
16              <input type="text" class="form-control" id="nim" name="nim" value="Masukkan NIM">
17            </div>
18          </div>
19
20          <div class="form-group row">
21            <label for="nama" class="col-sm-2 col-form-label">Nama Lengkap</label>
22            <div class="col-sm-10">
23              <input type="text" class="form-control" id="nama" name="nama" value="Masukkan Nama Lengkap">
24            </div>
25          </div>
26
27          <div class="form-group row">
28            <label for="tmp_lahir" class="col-sm-2 col-form-label">Tempat & Tanggal Lahir</label>
29            <div class="col-sm-5">

```

```

30         <input type="text" class="form-control" id="tmp_lahir" name="tmp_lahir" value="Masukkan Tempat Lahir">
31     </div>
32     <div class="col-sm-5">
33         <input type="date" class="form-control" name="tgllahir" value="Masukkan Tanggal Lahir">
34     </div>
35 </div>
36
37     <div class="form-group row">
38         <label for="jenkel" class="col-sm-2 col-form-label">Jenis Kelamin</label>
39         <div class="col-sm-10">
40             <select name="jenkel" id="jenkel" class="form-control">
41                 <option value="">--Silahkan Pilih--</option>
42                 <option value="L">Laki - Laki</option>
43                 <option value="P">Perempuan</option>
44             </select>
45         </div>
46     </div>
47
48 </div>
49
50     <div class="modal-footer">
51         <button type="submit" class="btn btn-primary btnsimpan">Simpan</button>
52         <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
53     </div>
54     <?= form_close() ?>
55 </div>
56 </div>
57 </div>
58
59 <script>
60     $(document).ready(function() {
61         $('.formmmahasiswa').submit(function(e) {
62             e.preventDefault();
63             $.ajax({
64                 type: "post",
65                 url: $(this).attr('action'),
66                 data: $(this).serialize(),
67                 dataType: "json",
68                 beforeSend: function() {
69                     $('.btnsimpan').attr('disabled', 'disabled');
70                     $('.btnsimpan').html('<i class="bi bi-arrow-repeat"></i>');
71                 },
72                 complete: function() {
73                     $('.btnsimpan').removeAttr('disabled');
74                     $('.btnsimpan').html('Simpan');
75                 },
76                 success: function(response) {
77
78
79
80
81
82
83
84
85
86
87             });
88         return false;
89     });
90 });
91 </script>

```

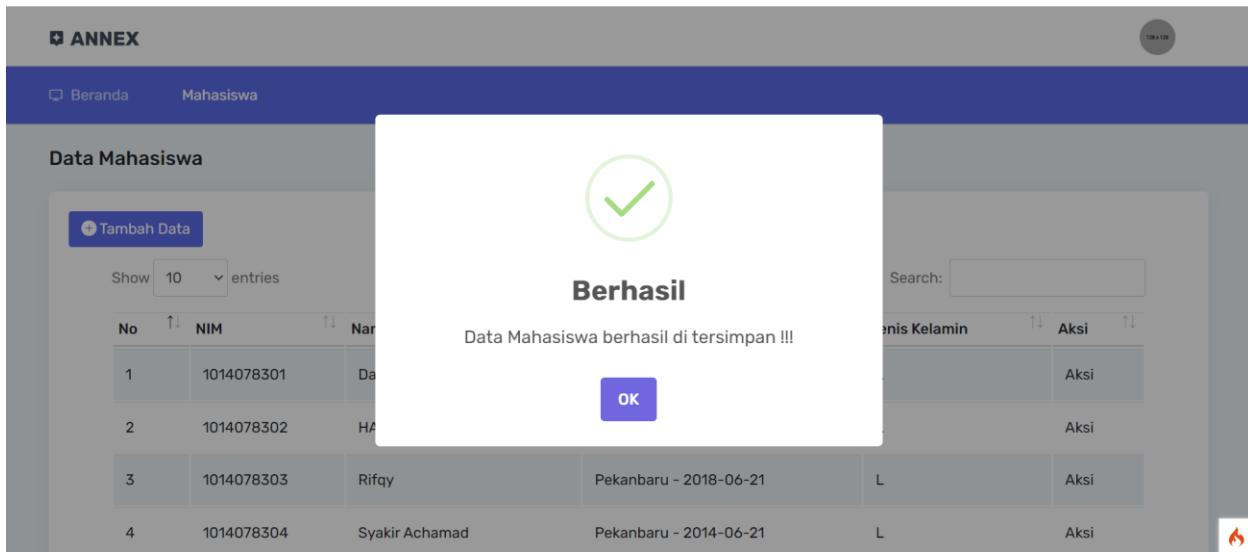
15. Tambahkan function pada controller Mahasiswa.php

```
1 <?php
2
3 namespace App\Controllers;
4
5 use App\Models\Modelmahasiswa;
6
7 class Mahasiswa extends BaseController
8 {
9     public function index()
10    {
11        return view('mahasiswa/viewTampildata');
12    }
13
14    public function ambildata()
15    {
16        if ($this->request->isAJAX()) {
17            $mhs = new Modelmahasiswa;
18            $data = [
19                'tampildata' => $mhs->findAll()
20            ];
21            $msg = [
22                'data' => view('mahasiswa/datamahasiswa', $data)
23            ];
24            echo json_encode($msg);
25        } else {
26            exit('Maaf tidak dapat di proses');
27        }
28    }
29
30    public function formtambah()
31    {
32        if ($this->request->isAJAX()) {
33            $msg = [
34                'data' => view('mahasiswa/modaltambah')
35            ];
36            echo json_encode($msg);
37        } else {
38            exit('Maaf tidak dapat di proses');
39        }
40    }
41 }
42
```

16. Lakukan konfigurasi helpers pada controller BaseController.php

```
35     /**
36      * @var array
37     */
38     protected $helpers = ['form', 'url'];
39
40     /**
41
```

Create / Save Data



1. Install Sweetalert2
2. Simpan kedalam folder public/assets/plugins.
3. Hubungkan Sweetalert2 di views layout main.php sebagai berikut :

```
<!-- Sweetalert -->
<link href="= base_url() ?&gt;/assets/plugins/sweetalert2-11.11.0/package/dist/
    sweetalert2.min.css" rel="stylesheet" type="text/css"&gt;
&lt;script src="<?= base_url() ?&gt;/assets/plugins/sweetalert2-11.11.0/package/dist/
    sweetalert2.all.min.js"&gt;&lt;/script&gt;</pre
```

4. Lakukan perubahan pada Controller Mahasiswa.php sebagai berikut :

```
1 <?php
2
3 namespace App\Controllers;
4
5 use App\Models\Modelmahasiswa;
6
7 class Mahasiswa extends BaseController
8 {
9     public function index()
10    {
11        return view('mahasiswa/viewTampildata');
12    }
13
14    public function ambildata()
15    {
16        if ($this->request->isAJAX()) {
17            $mhs = new Modelmahasiswa;
18            $data = [
```



```
19 |     'tampildata' => $mhs->findAll()
20 | ];
21 | $msg = [
22 |     'data' => view('mahasiswa/datamahasiswa', $data)
23 | ];
24 | echo json_encode($msg);
25 | } else {
26 |     exit('Maaf tidak dapat di proses');
27 | }
28 |
29 |
30 | public function formtambah()
31 | {
32 |     if ($this->request->isAJAX()) {
33 |         $msg = [
34 |             'data' => view('mahasiswa/modaltambah')
35 |         ];
36 |         echo json_encode($msg);
37 |
38 |     } else {
39 |         exit('Maaf tidak dapat di proses');
40 |     }
41 |
42 | public function simpandata()
43 | {
44 |     if ($this->request->isAJAX()) {
45 |         $validation = \Config\Services::validation();
46 |         $valid = $this->validate[
47 |             'nim' => [
48 |                 'label' => 'NIM',
49 |                 'rules' => 'required|is_unique[mahasiswa.nim]',
50 |                 'errors' => [
51 |                     'required' => '{field} tidak boleh kosong',
52 |                     'is_unique' => '{field} tidak boleh ada yang sama, silahkan
53 |                                     coba yang lain',
54 |                 ]
55 |
56 |             'nama' => [
57 |                 'label' => 'Nama Lengkap',
58 |                 'rules' => 'required',
59 |                 'errors' => [
60 |                     'required' => '{field} tidak boleh kosong',
61 |                 ]
62 |             ],
63 |
64 |             'tmp_lahir' => [
65 |                 'label' => 'Tempat Lahir',
66 |                 'rules' => 'required',
67 |                 'errors' => [
68 |                     'required' => '{field} tidak boleh kosong',
69 |                 ]
70 |             ],
71 |         ],
72 |     }
73 | }
```

```

72     'tgllahir' => [
73         'label' => 'Tanggal Lahir',
74         'rules' => 'required',
75         'errors' => [
76             'required' => '{field} tidak boleh kosong',
77         ],
78     ],
79
80     'jenkel' => [
81         'label' => 'Jenis Kelamin',
82         'rules' => 'required',
83         'errors' => [
84             'required' => '{field} tidak boleh kosong',
85         ],
86     ],
87 ];
88 if (!$valid) {
89     $msg = [
90         'error' => [
91             'nim' => $validation->getError('nim'),
92             'nama' => $validation->getError('nama'),
93             'tmp_lahir' => $validation->getError('tmp_lahir'),
94             'tgllahir' => $validation->getError('tgllahir'),
95             'jenkel' => $validation->getError('jenkel'),
96         ],
97     ];
98 } else {
99     // Jika benar/valid
100    $simpandata = [
101        'nim' => $this->request->getPost('nim'),
102        'nama' => $this->request->getPost('nama'),
103        'tmp_lahir' => $this->request->getPost('tmp_lahir'),
104        'tgllahir' => $this->request->getPost('tgllahir'),
105        'jenkel' => $this->request->getPost('jenkel'),
106    ];
107
108    $mhs = new Modelmahasiswa;
109    $mhs->insert($simpandata);
110
111    $msg = [
112        'sukses' => 'Data Mahasiswa berhasil di simpan !!!'
113    ];
114 }
115 echo json_encode($msg);
116 } else {
117     exit('Maaf tidak dapat di proses');
118 }
119 }
120 }
121

```

5. Lakukan perubahan pada Models Modelmahasiswa.php sebagai berikut :

```
1 <?php
2
3 namespace App\Models;
4
5 use CodeIgniter\Model;
6
7 class Modelmahasiswa extends Model
8 {
9     protected $table      = 'mahasiswa';
10    protected $primaryKey = 'id_mahasiswa';
11
12    protected $useAutoIncrement = true;
13
14    // Field yang wajib di isi
15    protected $allowedFields = ['nim', 'nama', 'tmp_lahir', 'tgllahir', 'jenkel'];
16 }
17
```

6. Lakukan perubahan pada Views mahasiswa modaltambah.php sebagai berikut :

```
1 <!-- Modal -->
2 <div class="modal fade" id="modaltambah" tabindex="-1"
aria-labelledby="exampleModalLabel" aria-hidden="true">
3     <div class="modal-dialog modal-lg">
4         <div class="modal-content">
5             <div class="modal-header">
6                 <h5 class="modal-title" id="exampleModalLabel">Tambah Mahasiswa</h5>
7                 <button type="button" class="close" data-dismiss="modal"
aria-label="Close">
8                     <span aria-hidden="true">&times;</span>
9                 </button>
10            </div>
11            <?= form_open('mahasiswa/simpandata', ['class' => 'formmahasiswa']) ?>
12            <div class="modal-body">
13                <div class="form-group row">
14                    <label for="nim" class="col-sm-2 col-form-label">NIM</label>
15                    <div class="col-sm-10">
16                        <input type="text" class="form-control is-valid" id="nim"
name="nim" placeholder="Masukkan NIM">
17                        <div class="valid-feedback errornim">
18                            </div>
19                        </div>
20                    </div>
21                </div>
22
23                <div class="form-group row">
24                    <label for="nama" class="col-sm-2 col-form-label">Nama Lengkap</
label>
25                    <div class="col-sm-10">
26                        <input type="text" class="form-control is-valid" id="nama"
name="nama" placeholder="Masukkan Nama Lengkap">
27                        <div class="valid-feedback errornama">
28                            </div>
29                    </div>
30                </div>

```

```
31      <div class="form-group row">
32          <label for="tmplahir" class="col-sm-2 col-form-label">Tempat &
33              Tanggal Lahir</label>
34          <div class="col-sm-5">
35              <input type="text" class="form-control is-valid"
36                  id="tmplahir" name="tmplahir" placeholder="Masukkan Tempat
37                  Lahir">
38              <div class="valid-feedback error tmplahir">
39                  </div>
40              <div class="col-sm-5">
41                  <input type="date" class="form-control is-valid"
42                      name="tgllahir" id="tgllahir" placeholder="Masukkan Tanggal
43                      Lahir">
44                  <div class="valid-feedback error tgllahir">
45                      </div>
46                  </div>
47          <div class="form-group row">
48              <label for="jenkel" class="col-sm-2 col-form-label">Jenis
49                  Kelamin</label>
50              <div class="col-sm-10">
51                  <select name="jenkel" id="jenkel" class="form-control
52                      is-valid">
53                      <option value="">--Silahkan Pilih--</option>
54                      <option value="L">Laki - Laki</option>
55                      <option value="P">Perempuan</option>
56                  </select>
57                  <div class="valid-feedback error jenkel">
58                      </div>
59          </div>
60      </div>
61          <div class="modal-footer">
62              <button type="submit" class="btn btn-primary btnsimpan"
63                  id="tombolsimpan">Simpan</button>
64              <button type="button" class="btn btn-secondary"
65                  data-dismiss="modal">Close</button>
66          </div>
67      </div>
68  </div>
69
70  <div class="position-fixed align-items-center" style="position :absolute;
71  top: 50%;
72  left: 50%;">
73      <div id="liveToast" class="toast hide" role="alert" aria-live="assertive"
74          aria-atomic="true" data-delay="2000">
75          <div class="toast-header">
```

```
75 |     <strong class="mr-auto">Simpan</strong>
76 |     <button type="button" class="ml-2 mb-1 close" data-dismiss="toast"
77 |         aria-label="Close">
78 |         <span aria-hidden="true">&times;</span>
79 |     </button>
80 | </div>
81 | <div class="toast-body">
82 |     Data Berhasil di Simpan !!!
83 | </div>
84 </div>
85
86 <script>
87     $(document).ready(function() {
88         $('.formmahasiswa').submit(function(e) {
89             e.preventDefault();
90             $.ajax({
91                 type: "post",
92                 url: $(this).attr('action'),
93                 data: $(this).serialize(),
94                 dataType: "json",
95                 beforeSend: function() {
96                     $('.btnsimpan').attr('disabled', 'disabled');
97                     $('.btnsimpan').html('<i class="bi bi-arrow-repeat"></i>');
98                 },
99                 complete: function() {
100                     $('.btnsimpan').removeAttr('disabled');
101                     $('.btnsimpan').html('Simpan');
102                 },
103                 success: function(response) {
104                     // Validasi
105                     if (response.error) {
106                         if (response.error.nim) {
107                             $('#nim').addClass('is-invalid');
108                             $('.errornim').html(response.error.nim);
109                         } else {
110                             $('#nim').removeClass('is-invalid');
111                             $('.errornim').html('');
112                         }
113
114                         if (response.error.nama) {
115                             $('#nama').addClass('is-invalid');
116                             $('.errornama').html(response.error.nama);
117                         } else {
118                             $('#nama').removeClass('is-invalid');
119                             $('.errornama').html('');
120                         }
121
122                         if (response.error.tmplahir) {
123                             $('#tmplahir').addClass('is-invalid');
124                             $('.errortmplahir').html(response.error.tmplahir);
125                         } else {
126                             $('#tmplahir').removeClass('is-invalid');
127                             $('.errortmplahir').html('');
128                         }
129                     }
130                 }
131             })
132         })
133     })
134 
```

```
128 }
129
130     if (response.error.tgllahir) {
131         $('#tgllahir').addClass('is-invalid');
132         $('.errortgllahir').html(response.error.tgllahir);
133     } else {
134         $('#tgllahir').removeClass('is-invalid');
135         $('.errortgllahir').html('');
136     }
137
138     if (response.error.jenkel) {
139         $('#jenkel').addClass('is-invalid');
140         $('.errorjenkel').html(response.error.jenkel);
141     } else {
142         $('#jenkel').removeClass('is-invalid');
143         $('.errorjenkel').html('');
144     }
145 } else {
146     // Jika valid
147     // alert(response.sukses);
148     Swal.fire({
149         icon: "success",
150         title: "Berhasil",
151         text: response.sukses,
152     });
153
154     // Tutup modal tambah
155     $('#modaltambah').modal('hide');
156     // panggil fungsi data mahasiswa yang berada pada view tampil
157     // data
158     datamahasiswa();
159 },
160     error: function(xhr, ajaxOptions, thrownError) {
161         alert(xhr.status + "\n" + xhr.responseText + "\n" + thrownError);
162     }
163 );
164     return false;
165 );
166 });
167 </script>
```

Edit / Update Data

Edit / Update Data						
<input type="button" value="Tambah Data"/> Show <input type="text" value="10"/> entries <input type="button" value="Search"/>						
No	NIM	Nama Lengkap	Tempat - Tanggal Lahir	Jenis Kelamin	Aksi	
1	1014078301	Darmanta Sukri Anto	Pekanbaru - 2013-11-11	L		
2	1014078302	Hafizh	Pekanbaru - 2013-11-11	L		
3	1014078303	Dwi Oktarina	Pekanbaru - 2013-11-11	P		
4	1014078304	Syakir Achmad	Pekanbaru - 2013-11-11	L		
5	1014078305	Rifqy Darman	Pekanbaru - 2013-11-11	L		

Showing 1 to 5 of 5 entries Previous Next

1. Tambahkan function pada controller Mahasiswa.php dengan nama function formedit() sebagai berikut :

```

121 public function formedit()
122 {
123     if ($this->request->isAJAX()) {
124         $id_mahasiswa = $this->request->getVar('id_mahasiswa');
125
126         $mhs = new Modelmahasiswa;
127         $row = $mhs->find($id_mahasiswa);
128         $data = [
129             // sebelah kanan field pada tabel mahasiswa
130             'id_mahasiswa' => $row['id_mahasiswa'],
131             'nim' => $row['nim'],
132             'nama' => $row['nama'],
133             'tmp_lahir' => $row['tmp_lahir'],
134             'tgllahir' => $row['tgllahir'],
135             'jenkel' => $row['jenkel'],
136         ];
137         $msg = [
138             'sukses' => view('mahasiswa/modaledit', $data)
139         ];
140
141         echo json_encode($msg);
142     }
143 }
144
145
146 public function updatedata()
147 {
148     if ($this->request->isAJAX()) {
149         // Jika benar/valid
150         $simpandata = [
151             'nim' => $this->request->getPost('nim'),
152             'nama' => $this->request->getPost('nama'),
153             'tmp_lahir' => $this->request->getPost('tmp_lahir'),
154             'tgllahir' => $this->request->getPost('tgllahir'),
155             'jenkel' => $this->request->getPost('jenkel'),

```

```

156     ];
157
158     $mhs = new Modelmahasiswa;
159     $id_mahasiswa = $this->request->getVar('id_mahasiswa');
160     $mhs->update($id_mahasiswa, $simpandata);
161
162     $msg = [
163         'sukses' => 'Data Mahasiswa berhasil di Update !!!'
164     ];
165     echo json_encode($msg);
166 } else {
167     exit('Maaf tidak dapat di proses');
168 }
169
170 }
171
172 }

```

2. Lakukan perubahan pada views datamahasiswa.php sebagai berikut :

```

1 <table class="table table-sm table-striped" id="datamahasiswa">
2   <thead>
3     <tr>
4       <th>No</th>
5       <th>NIM</th>
6       <th>Nama Lengkap</th>
7       <th>Tempat - Tanggal Lahir</th>
8       <th>Jenis Kelamin</th>
9       <th>Aksi</th>
10      </tr>
11    </thead>
12    <tbody>
13      <?php $nomor = 0;
14      foreach ($tampildata as $row) : $nomor++; ?>
15        <tr>
16          <td><?= $nomor; ?></td>
17          <td><?= $row['nim'] ?></td>
18          <td><?= $row['nama'] ?></td>
19          <td><?= $row['tmplahir'] ?> - <?= $row['tgllahir'] ?></td>
20          <td><?= $row['jenkel'] ?></td>
21          <td>
22            <button type="button" class="btn btn-info btn-sm" onclick="edit
23              ('<?= $row['id_mahasiswa'] ?>')"><i class="fa fa-tags"></i></
24              button>
25            <button type="button" class="btn btn-danger btn-sm" onclick="
26              hapus('<?= $row['id_mahasiswa'] ?>')"><i class="fa fa-trash"></
27              i></button>
28          </td>
29        </tr>
30      <?php endforeach; ?>
31    </tbody>
32    <script>
33      $(document).ready(function() {
34        $('#datamahasiswa').DataTable();
35      });
36    </script>
37  
```

```

33    });
34
35    function edit(id_mahasiswa) {
36        $.ajax({
37            type: "post",
38            url: "<?= site_url('mahasiswa/formedit') ?>",
39            data: {
40                id_mahasiswa: id_mahasiswa
41            },
42            dataType: "json",
43            success: function(response) {
44                if (response.sukses) {
45                    $('.viewmodal').html(response.sukses).show();
46                    $('#modaledit').modal('show');
47                }
48            },
49            error: function(xhr, ajaxOptions, thrownError) {
50                alert(xhr.status + "\n" + xhr.responseText + "\n" + thrownError);
51            }
52        });
53    }
54
55 </script>

```

3. Tambahkan views dengan nama modaledit.php sebagai berikut :

```

1  <!-- Modal -->
2  <div class="modal fade" id="modaledit" tabindex="-1"
3   aria-labelledby="exampleModalLabel" aria-hidden="true">
4      <div class="modal-dialog modal-lg">
5          <div class="modal-content">
6              <div class="modal-header">
7                  <h5 class="modal-title" id="exampleModalLabel">Edit Mahasiswa</h5>
8                  <button type="button" class="close" data-dismiss="modal"
9                      aria-label="Close">
10                     <span aria-hidden="true">&times;</span>
11                 </button>
12             </div>
13             <?= form_open('mahasiswa/updatedata', ['class' => 'formmahasiswa']) ?>
14             <!-- autentifikasi menjaga serangan injeksi -->
15             <?= csrf_field(); ?>
16             <div class="modal-body">
17                 <div class="form-group row">
18                     <label for="nim" class="col-sm-2 col-form-label">NIM</label>

```

```
17 <div class="col-sm-10">
18   <input type="hidden" class="form-control is-valid"
19     id="id_mahasiswa" name="id_mahasiswa" placeholder="Masukkan
20       NIM" value="<?= $id_mahasiswa ?>" readonly>
21   <input type="text" class="form-control is-valid" id="nim"
22     name="nim" placeholder="Masukkan NIM" value="<?= $nim ?>"
23     readonly>
24 </div>
25 </div>
26 <div class="form-group row">
27   <label for="nama" class="col-sm-2 col-form-label">Nama Lengkap</label>
28   <div class="col-sm-10">
29     <input type="text" class="form-control is-valid" id="nama"
30       name="nama" placeholder="Masukkan Nama Lengkap" value="<?=
31       $nama ?>">
32   </div>
33 </div>
34 <div class="form-group row">
35   <label for="tmp_lahir" class="col-sm-2 col-form-label">Tempat &
36     Tanggal Lahir</label>
37   <div class="col-sm-5">
38     <input type="text" class="form-control is-valid"
39       id="tmp_lahir" name="tmp_lahir" placeholder="Masukkan Tempat
40       Lahir" value="<?= $tmp_lahir ?>">
41   </div>
42   <div class="col-sm-5">
43     <input type="date" class="form-control is-valid"
44       name="tgllahir" id="tgllahir" placeholder="Masukkan Tanggal
45       Lahir" value="<?= $tgllahir ?>">
46   </div>
47 </div>
48 <div class="form-group row">
49   <label for="jenkel" class="col-sm-2 col-form-label">Jenis
50     Kelamin</label>
51   <div class="col-sm-10">
52     <select name="jenkel" id="jenkel" class="form-control
53       is-valid">
54       <option value="L" <?php if ($jenkel == 'L') echo
55         "selected"; ?>>Laki - Laki</option>
56       <option value="P" <?php if ($jenkel == 'P') echo
57         "selected"; ?>>Perempuan</option>
58     </select>
59   </div>
60 </div>
61 <div class="modal-footer">
62   <button type="submit" class="btn btn-primary btnsimpan"
63     id="tombolsimpan">Update</button>
```

```
54 |     |     |     <button type="button" class="btn btn-secondary"
55 |     |     |     data-dismiss="modal">Close</button>
56 |     |     |     <?= form_close() ?>
57 |     |     |     </div>
58 |     |     </div>
59 |     |   </div>
60 |
61 |     <div class="position-fixed align-items-center" style="position :absolute;
62 |     top: 50%;
63 |     left: 50%;"
64 |       <div id="liveToast" class="toast hide" role="alert" aria-live="assertive"
65 |       aria-atomic="true" data-delay="2000">
66 |         <div class="toast-header">
67 |           <!-- 
68 |           <strong class="mr-auto">Simpan</strong>
69 |           <!-- <small>11 mins ago</small> -->
70 |           <button type="button" class="ml-2 mb-1 close" data-dismiss="toast"
71 |             aria-label="Close">
72 |             <span aria-hidden="true">&times;</span>
73 |           </button>
74 |         <div class="toast-body">
75 |           Data Berhasil di Simpan !!!
76 |         </div>
77 |       </div>
78 |
79 <script>
80   $(document).ready(function() {
81     $('.formmahasiswa').submit(function(e) {
82       e.preventDefault();
83       $.ajax({
84         type: "post",
85         url: $(this).attr('action'),
86         data: $(this).serialize(),
87         dataType: "json",
88         beforeSend: function() {
89           $('.btnsimpan').attr('disabled', 'disabled');
90           $('.btnsimpan').html('<i class="bi bi-arrow-repeat"></i>');
91         },
92         complete: function() {
93           $('.btnsimpan').removeAttr('disabled');
94           $('.btnsimpan').html('Update');
95         },
96         success: function(response) {
97           // alert(response.sukses);
98           Swal.fire({
99             icon: "success",
100            title: "Berhasil",
101            text: response.sukses,
102          });
103         // Tutup modal edit
104       });

```

```
105      $('#modaledit').modal('hide');
106      datamahasiswa();
107    },
108    error: function(xhr, ajaxOptions, thrownError) {
109      alert(xhr.status + "\n" + xhr.responseText + "\n" + thrownError);
110    }
111  });
112  return false;
113});
114});
115</script>
```

4. Continued...😊