

LAPORAN TUGAS PEMROGRAMAN WEB LANJUT

Laravel CRUD



Disusun Oleh :

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**PROGRAM STUDI TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
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Malang, Jawa Timur 65141
2020**

Membuat CRUD di Laravel menggunakan Query Builder

Praktikum 1

1

```
C:\xampp\htdocs>laravel new laravel-crud
Crafting application...
Loading composer repositories with package information
Installing dependencies (including require-dev) from lock file
Package operations: 92 installs, 0 updates, 0 removals
- Installing doctrine/inflector (1.3.1): Loading from cache
- Installing doctrine/lexer (1.2.0): Loading from cache
- Installing dragonmantank/cron-expression (v2.3.0): Loading from cache
- Installing voku/portable-ascii (1.4.10): Loading from cache
- Installing symfony/polyfill-ctype (v1.15.0): Loading from cache
- Installing phpoption/phpoption (1.7.3): Loading from cache
- Installing vlucas/phpdotenv (v4.1.4): Downloading (100%)
```

```
Application key set successfully.
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fideloper/proxy
Discovered Package: fruitcake/laravel-cors
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
Application ready! Build something amazing.
```

2

```
.env
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:BpviAZbVKSMsnefjuKQ8XF5kj8UFViuwMIG7oZdY22A=
4 APP_DEBUG=true
5 APP_URL=http://localhost
6
7 LOG_CHANNEL=stack
8
9 DB_CONNECTION=mysql
10 DB_HOST=127.0.0.1
11 DB_PORT=3306
12 DB_DATABASE=latihan_laravel
13 DB_USERNAME=root
14 DB_PASSWORD=
15
```

3

Server: 127.0.0.1 » Basis data: latihan_laravel » Tabel: mahasiswa

Struktur tabel

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
1	id	int(11)			Tidak	Tidak ada		AUTO_INCREMENT	Ubah Hapus Lainnya
2	nama	varchar(100)	latin1_swedish_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
3	nim	varchar(10)	latin1_swedish_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
4	email	varchar(50)	latin1_swedish_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
5	jurusan	varchar(20)	latin1_swedish_ci		Tidak	Tidak ada			Ubah Hapus Lainnya

Pilih Semua Dengan pilihan: Jelajahi Ubah Hapus Utama Unik Indeks Teks penuh Add to central columns

Remove from central columns

Cetak Usulkan struktur tabel Lacak tabel Move columns Normalisasi

Tambahkan 1 kolom setelah jurusan Kirim

4	<div> <div>+ Opsi</div> <div> <div>← T →</div> <div>▼</div> <div>id</div> <div>nama</div> <div>nim</div> <div>email</div> <div>jurusa</div> </div> <div> <div><input type="checkbox"/></div> <div>Ubah</div> <div>Salin</div> <div>Hapus</div> <div>1</div> <div>Achmad Rheza</div> <div>1841720115</div> <div>achmadreza57@gmail.com</div> <div>TI</div> </div> <div> <div><input type="checkbox"/></div> <div>Ubah</div> <div>Salin</div> <div>Hapus</div> <div>2</div> <div>Loh he</div> <div>1841720000</div> <div>lohhalohhe@gmail.com</div> <div>TI</div> </div> </div>
Menampilkan data dari database	
1	<pre> routes > web.php 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 5 /* 6 ----- 7 Web Routes 8 ----- 9 10 Here is where you can register web routes for your application. The 11 routes are loaded by the RouteServiceProvider within a group which 12 contains the "web" middleware group. Now create something great! 13 14 */ 15 16 //Route::get('/', function () { 17 // return view('welcome'); 18 //}); 19 20 Route::get('/', 'MahasiswaController@index');</pre>
2	<pre> C:\xampp\htdocs>cd laravel-crud C:\xampp\htdocs\laravel-crud>php artisan make:controller MahasiswaController Controller created successfully. C:\xampp\htdocs\laravel-crud></pre>

3

```
8 class MahasiswaController extends Controller
9 {
10     public function inde()
11     {
12         //mengambil data dari tabel mahasiswa
13         $mahasiswa = DB::table('mahasiswa')->get();
14
15         //mengirim data mahasiswa ke view index
16         return view('index',['mahasiswa' => $mahasiswa]);
17     }
18 }
19
20
```

4

```
resources > views > master.blade.php
1 <html>
2 <head>
3     <meta charset="utf-8">
4     <meta name="viewport" content="width=device-width, initial-scaled=1">
5     <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" rel="stylesheet">
6     <title> @yield('title') </title>
7 </head>
8 <body>
9     <div class="container">
10         <div class="row mt-3">
11             <div class="col-md-6">
12                 <div class="card">
13                     <div class="card-header text-center">
14                         <!--bagian judul halaman -->
15                         <h2> @yield('judul_halaman') </h2>
16                     </div>
17                     <div class="card-body">
18                         <!--bagian konten blog -->
19                         @yield('konten')
20                     </div>
21                 </div>
22             </div>
23         </div>
24     </div>
25 </body>
26 </html>
```

5

resources > views > index.blade.php

```

1  @extends('master')
2
3  <!-- Isi Title -->
4  @section('title', 'Home')
5
6  <!-- Isi Bagian Judul Halaman -->
7  @section('judul_halaman', 'Data Mahasiswa')
8
9  <!-- Isi Bagian Konten -->
10 @section('konten')
11 <a href="/mahasiswa/tambah" class="btn btn-primary">Tambah Data Mahasiswa</a>
12 <br>
13 <br>
14 <table class="table table-bordered table-hover table-striped">
15     <thead>
16         <tr>
17             <th>Nama</th>
18             <th>Nim</th>
19             <th></th>
20         </tr>
21     </thead>
22     <tbody>
23         @foreach($mahasiswa as $mhs)
24             <tr>
25                 <td>{{ $mhs->nama }}</td>
26                 <td>{{ $mhs->nim }}</td>
27                 <td>
28                     <a href="/mahasiswa/detail/{{ $mhs -> id }}" class="badge badge-info">Detail</a>
29                     <a href="/mahasiswa/edit/{{ $mhs -> id }}" class="badge badge-warning">Edit</a>
30                     <a href="/mahasiswa/hapus/{{ $mhs -> id }}" class="badge badge-danger">Hapus</a>
31                 </td>
32             </tr>
33         @endforeach
34     </tbody>

```

6

localhost:8000

Download New Tab You've just installed...

Data Mahas

Tambah Data Mahasiswa

Nama	Nim
Achmad Rheza	1841720115
Loh he	1841720000

Memasukkan Data create ke database

1

```
routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  |-----
7  | Web Routes
8  |-----
9  |
10 | Here is where you can register web routes for your application. These
11 | routes are loaded by the RouteServiceProvider within a group which
12 | contains the "web" middleware group. Now create something great!
13 |
14 */
15
16 //Route::get('/', function () {
17 //     return view('welcome');
18 //});
19 Route::get('/', 'MahasiswaController@index');
20 Route::get('/mahasiswa/tambah', 'MahasiswaController@tambah');
```

2

```
public function tambah()
{
    // memanggil view tambah
    return view('tambah');
}
```

3

```
resources > views > tambah.blade.php
1  @extends('master')
2
3  <!-- Isi Title -->
4  @section('title', 'Tambah Data')
5
6  <!-- Isi Bagian Judul Halaman -->
7  @section('judul_halaman', 'Tambah Data Mahasiswa')
8
9  <!-- Isi Bagian Konten -->
10 @section('konten')
11 <a href="/" class="btn btn-danger">Kembali</a>
12 <br>
13 <br>
14 <form action="/mahasiswa/simpan" method="post">
15     {{ csrf_field() }}
16     <div class="form-group">
17         <label for="namamhs">Nama</label>
18         <input type="text" class="form-control" required="required" name="namamhs"><br>
19     </div>
20     <div class="form-group">
21         <label for="nimhs">NIM</label>
22         <input type="number" class="form-control" required="required" name="nimhs"><br>
23     </div>
24     <div class="form-group">
25         <label for="emailmhs">Email</label>
26         <input type="email" class="form-control" required="required" name="emailmhs"><br>
27     </div>
28     <div class="form-group">
29         <label for="jurusanmhs">Jurusan</label>
30         <input type="text" class="form-control" required="required" name="jurusanmhs"><br>
31     </div>
32     <button type="submit" name="tambah" class="btn btn-primary float-right">Tambah Data</button>
33 </form>
34 @endsection
```

4

```
routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  |-----
7  | Web Routes
8  |-----
9  |
10 | Here is where you can register web routes for your application. These
11 | routes are loaded by the RouteServiceProvider within a group which
12 | contains the "web" middleware group. Now create something great!
13 |
14 */
15
16 //Route::get('/', function () {
17 //    return view('welcome');
18 //});
19
20 Route::get('/', 'MahasiswaController@index');
21
22 Route::get('/mahasiswa/tambah', 'MahasiswaController@tambah');
23
24 Route::post('/mahasiswa/simpan', 'MahasiswaController@simpan');
```

5

```
public function simpan(Request $request)
{
    //insert data ke table mahasiswa
    DB::table('mahasiswa')->insert([
        'nama' => $request->namamhs,
        'nim' => $request->nimmhs,
        'email' => $request->emailmhs,
        'jurusan' => $request->jurusanmhs
    ]);
    return redirect('/');
}
```

Data Mahas

Tambah Data Mahasiswa

Nama	Nim
Achmad Rheza	1841720115
Loh he	1841720000
Darmawan	1841720001

Melihat detail data dari database

1

```
resources > views > index.blade.php
1 @extends('master')
2
3 <!-- Isi Title -->
4 @section('title', 'Home')
5
6 <!-- Isi Bagian Judul Halaman -->
7 @section('judul_halaman', 'Data Mahasiswa')
8
9 <!-- Isi Bagian Konten -->
10 @section('konten')
11 <a href="/mahasiswa/tambah" class="btn btn-primary">Tambah Data Mahasiswa</a>
12 <br>
13 <br>
14 <table class="table table-bordered table-hover table-striped">
15     <thead>
16         <tr>
17             <th>Nama</th>
18             <th>Nim</th>
19             <th></th>
20         </tr>
21     </thead>
22     <tbody>
23         @foreach($mahasiswa as $mhs)
24             <tr>
25                 <td>{{ $mhs->nama }}</td>
26                 <td>{{ $mhs->nim }}</td>
27                 <td>
28                     <a href="/mahasiswa/detail/{{ $mhs->id }}" class="badge badge-info">Detail</a>
29                 </td>
30             </tr>
31         @endforeach
32     </tbody>
33 </table>
34 @endsection
```

2

```
routes > web.php
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4
5 /*
6 |-----
7 | Web Routes
8 |-----
9 |
10 | Here is where you can register web routes for your application. These
11 | routes are loaded by the RouteServiceProvider within a group which
12 | contains the "web" middleware group. Now create something great!
13 |
14 */
15
16 //Route::get('/', function () {
17 //    return view('welcome');
18 //});
19
20 Route::get('/', 'MahasiswaController@index');
21
22 Route::get('/mahasiswa/tambah', 'MahasiswaController@tambah');
23
24 Route::post('/mahasiswa/simpan', 'MahasiswaController@simpan');
25
26 Route::get('/mahasiswa/detail/{id}', 'MahasiswaController@detail');
```

3

```
public function detail($id)
{
    // mengambil data mahasiswa berdasarkan id yg dipilih
    $mahasiswa = DB::table('mahasiswa')->where('id', $id)->get();
    // kirim data mahasiswa yang diambil ke view edit.blade.php
    return view('detail', ['mahasiswa' => $mahasiswa]);
}
```

4

```
resources > views > detail.blade.php
1  @extends('master')
2
3  <!-- Isi Title -->
4  @section('title', 'Detail Mahasiswa')
5
6  <!-- Isi Bagian Judul Halaman -->
7  @section('judul_halaman', 'Detail Data Mahasiswa')
8
9  <!-- Isi Bagian Konten -->
10 @section('konten')
11 <a href="/" class="btn btn-danger">Kembali</a>
12 <br>
13 <br>
14
15 @foreach($mahasiswa as $mhs)
16 <h5 class="card-title">{{ $mhs -> nama }}</h5>
17 <p class="card-text">
18     <label for=""><b>NIM : </b></label>
19     {{ $mhs -> nim}}
20 </p>
21 <p class="card-text">
22     <label for=""><b>E-Mail : </b></label>
23     {{ $mhs -> email}}
24 </p>
25 <p class="card-text">
26     <label for=""><b>Jurusan : </b></label>
27     {{ $mhs -> jurusan}}
28 </p>
29 @endforeach
30 @endsection
```

5

Data Mahasiswa

Tambah Data Mahasiswa

Nama	Nim	
Achmad Rheza	1841720115	Detail
Loh he	1841720000	Detail
Darmawan	1841720001	Detail

Detail Data Mahasiswa

[Kembali](#)

Achmad Rheza

NIM : 1841720115

E-Mail : achmadreza57@gmail.com

Jurusan : TI

Mengubah data (update) dari database

1

```
resources > views > index.blade.php
1  @extends('master')
2
3  <!-- Isi Title -->
4  @section('title', 'Home')
5
6  <!-- Isi Bagian Judul Halaman -->
7  @section('judul_halaman', 'Data Mahasiswa')
8
9  <!-- Isi Bagian Konten -->
10 @section('konten')
11 <a href="/mahasiswa/tambah" class="btn btn-primary">Tambah Data Mahasiswa</a>
12 <br>
13 <br>
14 <table class="table table-bordered table-hover table-striped">
15     <thead>
16         <tr>
17             <th>Nama</th>
18             <th>Nim</th>
19             <th></th>
20         </tr>
21     </thead>
22     <tbody>
23         @foreach($mahasiswa as $mhs)
24             <tr>
25                 <td>{{ $mhs->nama }}</td>
26                 <td>{{ $mhs->nim }}</td>
27                 <td>
28                     <a href="/mahasiswa/detail/{{ $mhs -> id }}" class="badge badge-info">Detail</a>
29                     <a href="/mahasiswa/edit/{{ $mhs -> id }}" class="badge badge-warning">Edit</a>
30                 </td>
31             </tr>
32         @endforeach
33     </tbody>
34 </table>
```

2

```
routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  |-----
7  | Web Routes
8  |-----
9  |
10 | Here is where you can register web routes for your application. These
11 | routes are loaded by the RouteServiceProvider within a group which
12 | contains the "web" middleware group. Now create something great!
13 |
14 */
15
16 //Route::get('/', function () {
17 //    return view('welcome');
18 //});
19
20 Route::get('/', 'MahasiswaController@index');
21
22 Route::get('/mahasiswa/tambah', 'MahasiswaController@tambah');
23
24 Route::post('/mahasiswa/simpan', 'MahasiswaController@simpan');
25
26 Route::get('/mahasiswa/detail/{id}', 'MahasiswaController@detail');
27
28 Route::get('/mahasiswa/edit/{id}', 'MahasiswaController@edit');
29
```

3

```
public function edit($id)
{
    // mengambil data mahasiswa berdasarkan id yg dipilih
    $mahasiswa = DB::table('mahasiswa')->where('id', $id)->get();
    // kirim data mahasiswa yang diambil ke view edit.blade.php
    return view('edit', ['mahasiswa' => $mahasiswa]);
}
```

4

resources > views > edit.blade.php

```

1  @extends('master')
2
3  <!-- Isi Title -->
4  @section('title', 'Edit Data')
5
6  <!-- Isi Bagian Judul Halaman -->
7  @section('judul_halaman', 'Edit Data Mahasiswa')
8
9  <!-- Isi Bagian Konten -->
10 @section('konten')
11 <a href="/" class="btn btn-danger">Kembali</a>
12 <br>
13 <br>
14 @foreach($mahasiswa as $mhs)
15 <form action="/mahasiswa/update" method="post">
16     {{ csrf_field() }}
17     <input type="hidden" name="id" value="{{ $mhs -> id }}"> <br />
18     <div class="form-group">
19         <label for="namamhs">Nama</label>
20         <input type="text" class="form-control" required="required" name="namamhs" value="{{ $mhs -> nama }}"><br />
21     </div>
22     <div class="form-group">
23         <label for="nimhs">NIM</label>
24         <input type="number" class="form-control" required="required" name="nimhs" value="{{ $mhs -> nim }}"><br />
25     </div>
26     <div class="form-group">
27         <label for="emailhs">Email</label>
28         <input type="email" class="form-control" required="required" name="emailhs" value="{{ $mhs -> email }}"><br />
29     </div>
30     <div class="form-group">
31         <label for="jurusanhs">Jurusan</label>
32         <input type="text" class="form-control" required="required" name="jurusanhs" value="{{ $mhs -> jurusan }}"><br />
33     </div>
34     <button type="submit" name="edit" class="btn btn-primary float-right">Simpan Data</button>
35 </form>

```

5

routes > web.php

```

1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  |-----
7  | Web Routes
8  |-----
9  |
10 | Here is where you can register web routes for your application. These
11 | routes are loaded by the RouteServiceProvider within a group which
12 | contains the "web" middleware group. Now create something great!
13 |
14 |*/
15
16 //Route::get('/', function () {
17 //    return view('welcome');
18 //});
19
20 Route::get('/', 'MahasiswaController@index');
21
22 Route::get('/mahasiswa/tambah', 'MahasiswaController@tambah');
23
24 Route::post('/mahasiswa/simpan', 'MahasiswaController@simpan');
25
26 Route::get('/mahasiswa/detail/{id}', 'MahasiswaController@detail');
27
28 Route::get('/mahasiswa/edit/{id}', 'MahasiswaController@edit');
29
30 Route::post('/mahasiswa/update', 'MahasiswaController@update');
31

```

6

```
public function update(Request $request)
{
    //update data mahasiswa
    DB::table('mahasiswa')->where('id', $request->id)->update([
        'nama' => $request->namamhs,
        'nim' => $request->nimmhs,
        'email' => $request->emailmhs,
        'jurusan' => $request->jurusanmhs
    ]);
    return redirect('/');
}
```

7

Data Mahasiswa

[Tambah Data Mahasiswa](#)

Nama	Nim	
Achmad Rheza	1841720115	Detail Edit
Loh he	1841720000	Detail Edit
Darmawan	1841720001	Detail Edit

Edit Data Mahasiswa

[Kembali](#)

Nama

NIM

Email

Jurusan

[Simpan Data](#)

Data Mahasiswa

Tambah Data Mahasiswa

Nama	Nim	
Achmad Rheza	1841720115	Detail Edit
Loh Kan	1841720000	Detail Edit
Darmawan	1841720001	Detail Edit

Menghapus data (delete) dari database

1

```
resources > views > index.blade.php
1  @extends('master')
2
3  <!-- Isi Title -->
4  @section('title', 'Home')
5
6  <!-- Isi Bagian Judul Halaman -->
7  @section('judul_halaman', 'Data Mahasiswa')
8
9  <!-- Isi Bagian Konten -->
10 @section('konten')
11 <a href="/mahasiswa/tambah" class="btn btn-primary">Tambah Data Mahasiswa</a>
12 <br>
13 <br>
14 <table class="table table-bordered table-hover table-striped">
15     <thead>
16         <tr>
17             <th>Nama</th>
18             <th>Nim</th>
19             <th></th>
20         </tr>
21     </thead>
22     <tbody>
23         @foreach($mahasiswa as $mhs)
24             <tr>
25                 <td>{{ $mhs->nama }}</td>
26                 <td>{{ $mhs->nim }}</td>
27                 <td>
28                     <a href="/mahasiswa/detail/{{ $mhs -> id }}" class="badge badge-info">Detail</a>
29                     <a href="/mahasiswa/edit/{{ $mhs -> id }}" class="badge badge-warning">Edit</a>
30                     <a href="/mahasiswa/hapus/{{ $mhs -> id }}" class="badge badge-danger">Hapus</a>
31                 </td>
32             </tr>
33         @endforeach
34     </tbody>
35 </table>
```

2

```
routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  |-----
7  | Web Routes
8  |-----
9  |
10 | Here is where you can register web routes for your application. These
11 | routes are loaded by the RouteServiceProvider within a group which
12 | contains the "web" middleware group. Now create something great!
13 |
14 */
15
16 //Route::get('/', function () {
17 //    return view('welcome');
18 //});
19
20 Route::get('/', 'MahasiswaController@index');
21
22 Route::get('/mahasiswa/tambah', 'MahasiswaController@tambah');
23
24 Route::post('/mahasiswa/simpan', 'MahasiswaController@simpan');
25
26 Route::get('/mahasiswa/detail/{id}', 'MahasiswaController@detail');
27
28 Route::get('/mahasiswa/edit/{id}', 'MahasiswaController@edit');
29
30 Route::post('/mahasiswa/update', 'MahasiswaController@update');
31
32 Route::get('/mahasiswa/hapus/{id}', 'MahasiswaController@hapus');
33
```

3

```
public function hapus($id)
{
    // menghapus data mahasiswa berdasarkan id yang dipilih
    DB::table('mahasiswa')->where('id', $id)->delete();

    return redirect('/');
}
```


Data Mahasiswa

Tambah Data Mahasiswa

Nama	Nim	
Achmad Rheza	1841720115	Detail Edit Hapus
Loh Kan	1841720000	Detail Edit Hapus
Darmawan	1841720001	Detail Edit Hapus

Data Mahasiswa

Tambah Data Mahasiswa

Nama	Nim	
Achmad Rheza	1841720115	Detail Edit Hapus
Darmawan	1841720001	Detail Edit Hapus

Membuat CRUD di Laravel menggunakan Eloquent

Konfigurasi database

1

```
C:\Users\achma>cd C:\xampp\htdocs

C:\xampp\htdocs>laravel new laravel-crud-kedua
Crafting application...
Loading composer repositories with package information
Installing dependencies (including require-dev) from lock file
Package operations: 92 installs, 0 updates, 0 removals
  - Installing doctrine/inflector (1.3.1): Loading from cache
  - Installing doctrine/lexer (1.2.0): Loading from cache
  - Installing dragonmantank/cron-expression (v2.3.0): Loading from cache
  - Installing voku/portable-ascii (1.4.10): Loading from cache

> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fideloper/proxy
Discovered Package: fruitcake/laravel-cors
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
Application ready! Build something amazing.

C:\xampp\htdocs>
```

2

```
.env
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:0dxUN+yNECBUnHjUv1jNhNcue6HL1KZDCLW36iVo4+Q=
4 APP_DEBUG=true
5 APP_URL=http://localhost
6
7 LOG_CHANNEL=stack
8
9 DB_CONNECTION=mysql
10 DB_HOST=127.0.0.1
11 DB_PORT=3306
12 DB_DATABASE=latihan_laravel
13 DB_USERNAME=root
14 DB_PASSWORD=
```

3

#	Nama	Jenis	Penyortiran	Atribut	Tak Ternilai	Bawaan	Komentar	Ekstra	Tindakan
<input type="checkbox"/>	1 id	int(11)			Tidak	Tidak ada		AUTO_INCREMENT	Ubah Hapus Lainnya
<input type="checkbox"/>	2 nama	varchar(100)	latin1_swedish_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
<input type="checkbox"/>	3 nim	varchar(10)	latin1_swedish_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
<input type="checkbox"/>	4 email	varchar(50)	latin1_swedish_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
<input type="checkbox"/>	5 jurusan	varchar(20)	latin1_swedish_ci		Tidak	Tidak ada			Ubah Hapus Lainnya
<input type="checkbox"/>	6 created_at	timestamp			Ya	NULL			Ubah Hapus Lainnya
<input type="checkbox"/>	7 updated_at	timestamp			Ya	NULL			Ubah Hapus Lainnya

Menampilkan data dari database

1	<pre>22 Route::get('/', 'MahasiswaController@index'); 23 Route::get('/mahasiswa', 'MahasiswaController@index');</pre>	
2	<pre>C:\xampp\htdocs>cd laravel-crud-kedua C:\xampp\htdocs\laravel-crud-kedua>php artisan make:model Mahasiswa</pre>	
3	<pre>app > Mahasiswa.php 1 <?php 2 3 namespace App; 4 5 use Illuminate\Database\Eloquent\Model; 6 7 class Mahasiswa extends Model 8 { 9 protected \$table = "mahasiswa"; 10 } 11</pre>	
4	<pre>C:\xampp\htdocs\laravel-crud-kedua>php artisan make:controller MahasiswaControl</pre>	
5	<pre>app > Http > Controllers > MahasiswaController.php 1 <?php 2 3 namespace App\Http\Controllers; 4 5 use Illuminate\Http\Request; 6 use App\Mahasiswa; 7 8 class MahasiswaController extends Controller 9 { 10 public function index() 11 { 12 \$mahasiswa = Mahasiswa::all(); 13 return view('index', ['mahasiswa' => \$mahasiswa]); 14 } 15 }</pre>	

6

```
resources > views > index.blade.php
1 @extends('master')
2
3 <!-- Isi Title -->
4 @section('title', 'Home')
5
6 <!-- Isi Bagian Judul Halaman -->
7 @section('judul_halaman', 'Data Mahasiswa')
8
9 <!-- Isi Bagian Konten -->
10 @section('konten')
11 <a href="/mahasiswa/tambah" class="btn btn-primary">Tambah Data Mahasiswa</a>
12 <br>
13 <br>
14 <table class="table table-bordered table-hover table-striped">
15 <thead>
16 <tr>
17 <th>Nama</th>
18 <th>Nim</th>
19 <th></th>
20 </tr>
21 </thead>
22 <tbody>
23 @foreach($mahasiswa as $mhs)
24 <tr>
25 <td>{{ $mhs->nama }}</td>
26 <td>{{ $mhs->nim }}</td>
27 <td>
28 <a href="/mahasiswa/detail/{{ $mhs->id }}" class="badge badge-info">Detail</a>
29 <a href="/mahasiswa/edit/{{ $mhs->id }}" class="badge badge-warning">Edit</a>
30 <a href="/mahasiswa/hapus/{{ $mhs->id }}" class="badge badge-danger">Hapus</a>
31 </td>
32 </tr>
33 @endforeach
34 </tbody>
35 </table>
```

7

Data Mahasiswa

Tambah Data Mahasiswa

Nama	Nim	
Achmad Rheza	1841720115	Detail Edit Hapus
Darmawan	1841720001	Detail Edit Hapus

Memasukkan data (create) ke database

1 `25 Route::get('/mahasiswa/tambah', 'MahasiswaController@tambah');`

2

```
public function tambah()
{
    return view('tambah');
}
```

3

```
resources > views > tambah.blade.php
1  @extends('master')
2
3  <!-- Isi Title -->
4  @section('title', 'Tambah Data')
5
6  <!-- Isi Bagian Judul Halaman -->
7  @section('judul_halaman', 'Tambah Data Mahasiswa')
8
9  <!-- Isi Bagian Konten -->
10 @section('konten')
11 <a href="/mahasiswa" class="btn btn-danger">Kembali</a>
12 <br>
13 <br>
14 <form action="/mahasiswa/simpan" method="post">
15     {{ csrf_field() }}
16     <div class="form-group">
17         <label for="namamhs">Nama</label>
18         <input type="text" class="form-control" required="required" name="namamhs"><br>
19     </div>
20     <div class="form-group">
21         <label for="nimmhs">NIM</label>
22         <input type="number" class="form-control" required="required" name="nimmhs"><br>
23     </div>
24     <div class="form-group">
25         <label for="emailmhs">Email</label>
26         <input type="email" class="form-control" required="required" name="emailmhs"><br>
27     </div>
28     <div class="form-group">
29         <label for="jurusanmhs">Jurusan</label>
30         <input type="text" class="form-control" required="required" name="jurusanmhs"><br>
31     </div>
32     <button type="submit" name="tambah" class="btn btn-primary float-right">Tambah Data</button>
33 </form>
34 @endsection
```

4 `27 Route::post('/mahasiswa/simpan', 'MahasiswaController@simpan');`

5

```
public function simpan(Request $request)
{
    Mahasiswa::Create([
        'nama' => $request->namamhs,
        'nim' => $request->nimmhs,
        'email' => $request->emailmhs,
        'jurusan' => $request->jurusanmhs
    ]);
    return redirect('/mahasiswa');
}
```

6

app > Mahasiswa.php

```
1  <?php
2
3  namespace App;
4
5  use Illuminate\Database\Eloquent\Model;
6
7  class Mahasiswa extends Model
8  {
9      protected $table = "mahasiswa";
10     protected $fillable = ['nama', 'nim', 'email', 'jurusan'];
11 }
```

7

Tambah Data Mahasiswa

[Kembali](#)

Nama

NIM

Email

Jurusan

[Tambah Data](#)

Data Mahasiswa

[Tambah Data Mahasiswa](#)

Nama	Nim	
Achmad Rheza	1841720115	Detail Edit Hapus
Darmawan	1841720001	Detail Edit Hapus
Rahmat oi	1841720002	Detail Edit Hapus

Melihat detail data dari database	
1	<pre>29 Route::get('/mahasiswa/detail/{id}', 'MahasiswaController@detail');</pre>
2	<pre>public function detail(\$id) { \$mahasiswa = Mahasiswa::find(\$id); return view('detail', ['mahasiswa' => \$mahasiswa]); }</pre>
3	<pre>resources > views > detail.blade.php 1 @extends('master') 2 3 <!-- Isi Title --> 4 @section('title', 'Detail Mahasiswa') 5 6 <!-- Isi Bagian Judul Halaman --> 7 @section('judul_halaman', 'Detail Data Mahasiswa') 8 9 <!-- Isi Bagian Konten --> 10 @section('konten') 11 Kembali 12
 13
 14 15 <h5 class="card-title">{{ \$mahasiswa -> nama }}</h5> 16 <p class="card-text"> 17 <label for="">NIM : </label> 18 {{ \$mahasiswa -> nim}} 19 </p> 20 <p class="card-text"> 21 <label for="">E-Mail : </label> 22 {{ \$mahasiswa -> email}} 23 </p> 24 <p class="card-text"> 25 <label for="">Jurusan : </label> 26 {{ \$mahasiswa -> jurusan}} 27 </p> 28 @endsection</pre>
4	<div>Detail Data Mahasiswa</div> <div>Kembali</div> <p>Rahmat oi</p> <p>NIM : 1841720002</p> <p>E-Mail : yoikireza57@gmail.com</p> <p>Jurusan : TI</p>

Mengubah data (update) dari database

1 `31 Route::get('/mahasiswa/edit/{id}', 'MahasiswaController@edit');`

2

```
public function edit($id)
{
    $mahasiswa = Mahasiswa::find($id);
    return view('edit', ['mahasiswa' => $mahasiswa]);
}
```

3

```
resources > views > edit.blade.php
1 @extends('master')
2
3 <!-- Isi Title -->
4 @section('title', 'Edit Data')
5
6 <!-- Isi Bagian Judul Halaman -->
7 @section('judul_halaman', 'Edit Data Mahasiswa')
8
9 <!-- Isi Bagian Konten -->
10 @section('konten')
11 <a href="/mahasiswa" class="btn btn-danger">Kembali</a>
12 <br>
13 <br>
14
15 <form action="/mahasiswa/update/{{ $mahasiswa -> id }}" method="post">
16     {{ csrf_field() }}
17     <input type="hidden" name="id" value="{{ $mahasiswa -> id }}"> <br />
18     <div class="form-group">
19         <label for="namamhs">Nama</label>
20         <input type="text" class="form-control" required="required" name="namamhs" value="{{ $mahasiswa -> nama }}"> <br />
21     </div>
22     <div class="form-group">
23         <label for="nimhs">NIM</label>
24         <input type="text" class="form-control" required="required" name="nimhs" value="{{ $mahasiswa -> nim }}"> <br />
25     </div>
26     <div class="form-group">
27         <label for="emailhs">E-mail</label>
28         <input type="email" class="form-control" required="required" name="emailhs" value="{{ $mahasiswa -> email }}"> <br />
29     </div>
30     <div class="form-group">
31         <label for="jurusanhs">Jurusan</label>
32         <input type="text" class="form-control" required="required" name="jurusanhs" value="{{ $mahasiswa -> jurusan }}"> <br />
33     </div>
34     <button type="submit" name="edit" class="btn btn-primary float-right">Simpan Data</button>
```

4 `33 Route::post('/mahasiswa/update/{id}', 'MahasiswaController@update');`

5

```
public function update($id, Request $request)
{
    $mahasiswa = Mahasiswa::find($id);
    $mahasiswa->nama = $request->namamhs;
    $mahasiswa->nim = $request->nimmhs;
    $mahasiswa->email = $request->emailmhs;
    $mahasiswa->jurusan = $request->jurusanmhs;
    $mahasiswa->save();
    return redirect('/mahasiswa');
}
```


Data Mahasiswa

Tambah Data Mahasiswa

Nama	Nim	
Achmad Rheza	1841720115	Detail Edit Hapus
Darmawan	1841720001	Detail Edit Hapus
Rahmat oi	1841720002	Detail Edit Hapus

Edit Data Mahasiswa

Kembali

Nama

Rahmat men

NIM

1841720002

E-mail

yoikireza57@gmail.com

Jurusan

TI

Simpan Data

Data Mahasiswa

Tambah Data Mahasiswa

Nama	Nim	
Achmad Rheza	1841720115	Detail Edit Hapus
Darmawan	1841720001	Detail Edit Hapus
Rahmat men	1841720002	Detail Edit Hapus

Menghapus data (delete) dari database

1 `35 Route::get('/mahasiswa/hapus/{id}', 'MahasiswaController@hapus');`

2

```
public function hapus($id)
{
    $mahasiswa = Mahasiswa::find($id);
    $mahasiswa->delete();
    return redirect('/mahasiswa');
}
```

3

Data Mahasiswa

Tambah Data Mahasiswa

Nama	Nim	
Achmad Rheza	1841720115	Detail Edit Hapus
Rahmat men	1841720002	Detail Edit Hapus