

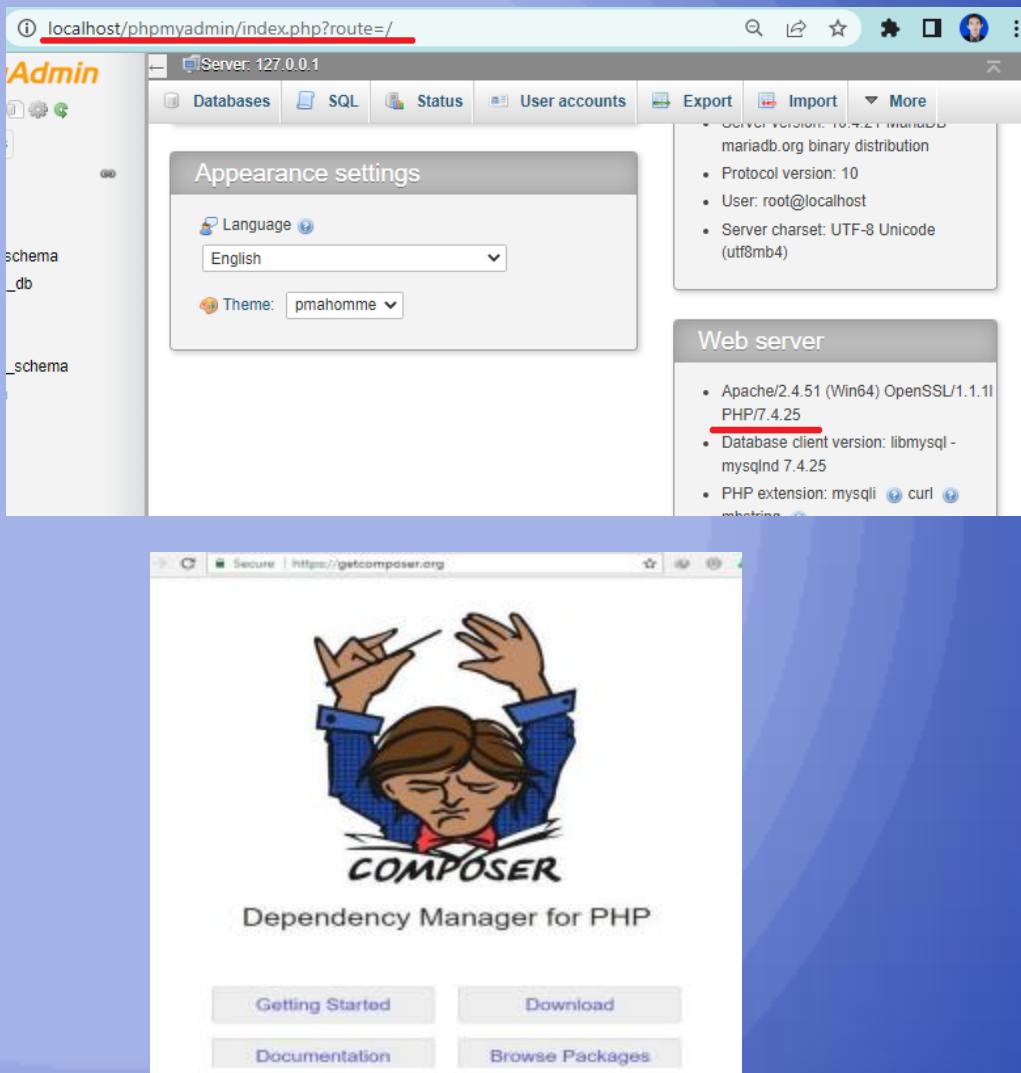
Membangun SIA

Laravel 8

Nurjaya

Install Composer I

- ✓ Pastikan XAMPP sudah terinstall Sebelum menginstall Composer. **Versi PHP min versi 7.3 (tdk support PHP 8).**
- ✓ Composer adalah perangkat/software untuk mengelola dependensi di PHP. Composer mengijinkan Anda untuk menginstall dan mengelola modul-modul yang dibutuhkan dalam proses pengembangan aplikasi berbasis website.
- ✓ Download Composer dari situs resminya di <https://getcomposer.org/>. Atau bisa juga di unduh langsung di <https://getcomposer.org/Composer-Setup.exe>.

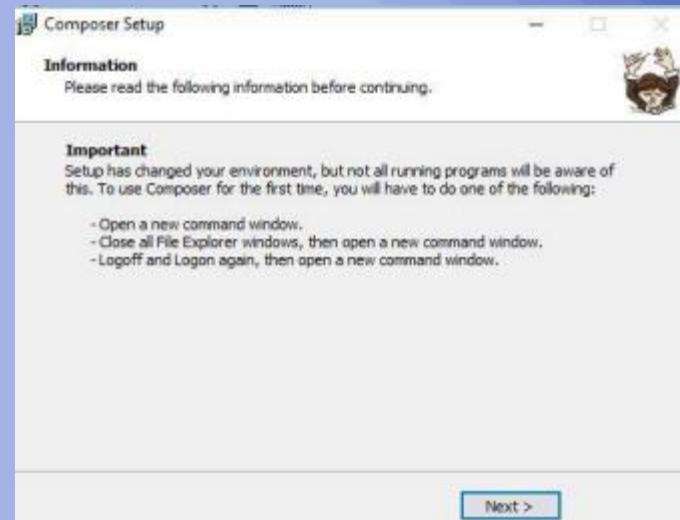


Install Composer II

1. Klik dua kali pada file **Composer-Setup.exe**, yang telah didownload
 2. Klik Next untuk melakukan installasi.
 3. Composer akan meminta lokasi file PHP berada. Biasanya ada dalam folder **C:\XAMPP\php\php.exe**. Klik Browse untuk mencari file PHP yang sudah diinstall saat menginstall XAMPP.
 4. Lalu klik Next kembali. Jika **muncul jendela Proxy, biarkan kosong saja**, lanjutkan instalasi sampai dengan selesai.

✓ Selanjutnya silahkan cek instalasi composer melalui terminal pada Vs.code, dengan perintah **composer**

 -



Install Git I

1. Silahkan buka website resminya Git (**git-scm.com**).
 2. Kemudian unduh Git sesuai dengan arsitektur komputer kita. (**64bit atau 32bit**)
 3. Lakukan proses instalasi sesuai dengan petunjuk, ketika muncul pilihan penggunaan git, **pilih Use Git from Windows (sesuaikan dg OS anda)**
- ✓ Lakukan instalasi sampai selesai, kemudian cek versi Git yang telah terinstall, dengan perintah **git version**



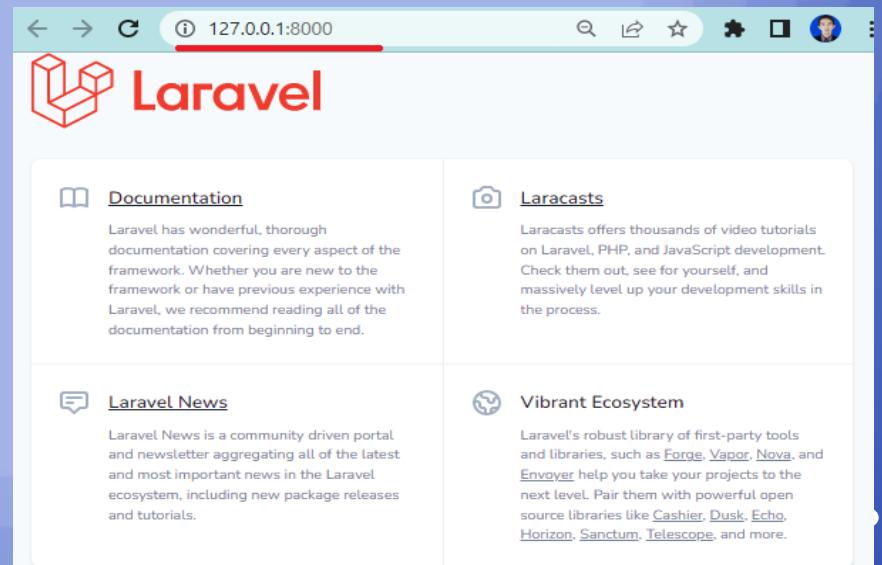
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS F:\materi pelatihan\software\LSP24> git version
git version 2.32.0.windows.1
PS F:\materi pelatihan\software\LSP24> |
```

Install Laravel 8

1. Silahkan buka website resminya laravel (<http://www.laravel.com>).
 2. Kemudian pilih menu documentation, kemudian pilih laravel versi 8x. (**saat ini sudah versi 9**)
 3. Lakukan proses download **laravel versi 8.** dengan menjalankan perintah pada terminal **composer create-project laravel/laravel:^8.0 LSP26**
- ✓ Buka VS.code editor, kemudian pilih menu file/open folder/folder project anda
 - ✓ Pada terminal Vs.code jalankan perintah **php artisan serve** untuk menjalankan server, setelah itu silahkan anda **klik+CTRL setelah link localhost muncul di terminal**

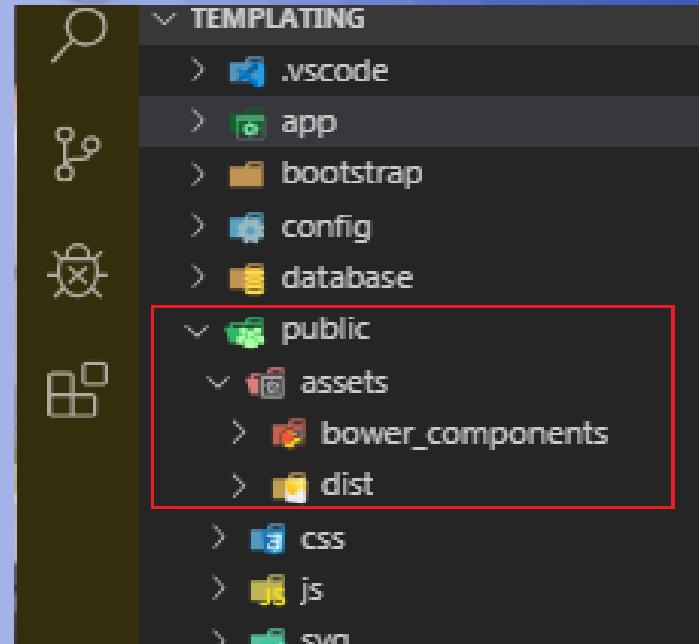
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL  
PS C:\Users\Ds\LSP26> composer create-project laravel/laravel:^8.0 LSP26
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL  
PS C:\Users\Ds\LSP26> php artisan serve  
Starting Laravel development server: http://127.0.0.1:8000  
[Sun Mar 27 10:08:19 2022] PHP 7.4.25 Development Server (http://127.0.0.1:8000) started  
[Sun Mar 27 10:08:31 2022] 127.0.0.1:60204 Accepted  
[Sun Mar 27 10:08:31 2022] 127.0.0.1:60205 Accepted  
[Sun Mar 27 10:08:32 2022] 127.0.0.1:60204 Closing  
[Sun Mar 27 10:08:32 2022] 127.0.0.1:60205 [200]: GET /favicon.ico
```



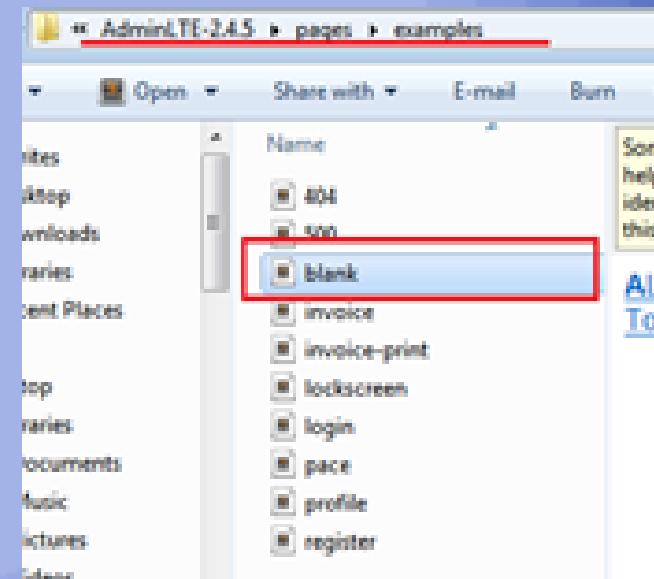
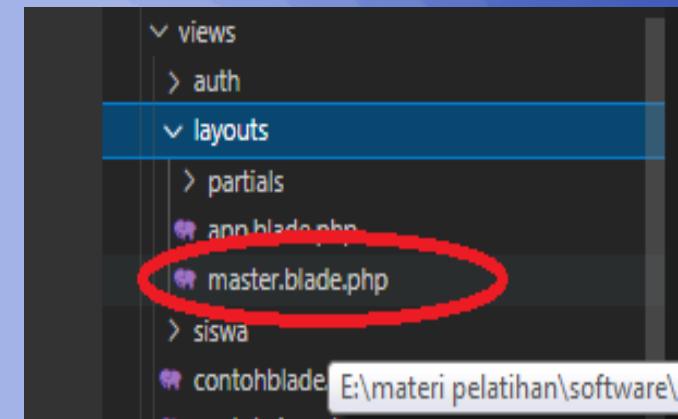
Templating I

- *Template* merupakan file yang dibuat dengan tata letak (layout) keseluruhan atau cetak biru sebuah aplikasi
1. Bukalah project laravel anda pada editor kemudian buatlah folder baru dengan nama **folder assets didalam folder public**.
 2. Buka file AdminLTE-2.4.5 yang telah di ekstraksi, kemudian copilah **folder bower_components** dan **folder dist** lalu pindahkan kedalam **folder assets pada project laravel** yang telah anda buat sebelumnya



Templating 2

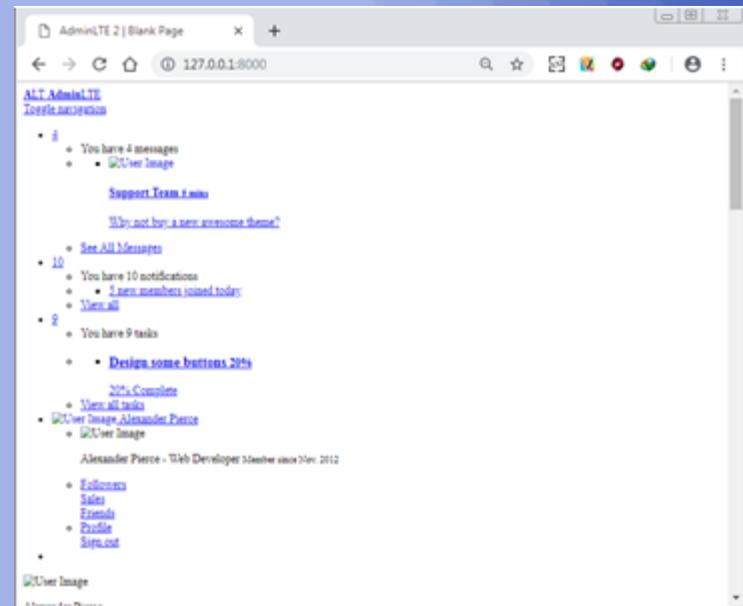
- Selanjutnya didalam **folder resources/views**, buatlah folder baru dengan nama **layouts** dan didalam **layouts** buatlah file baru dengan nama **master.blade.php**.
- Selanjutnya silahkan anda buka **file blank.html** yang terdapat didalam **folder AdminLTE/page/example** dan kopi semua sourcecode didalamnya lalu salinlah pada file **master.blade.php**.



Templating 3

- Kemudian ubahlah **routing** pada file **web.php** dan arahkan ke url template yang baru kita buat
- Silahkan anda coba jalankan pada browser anda dengan **url 127.0.0.1:8000**, dan perhatikan yang terjadi
- Hal diatas terjadi karena kita belum mengintegrasikan komponen dari **bowercomponent dan dist.**

```
18 Route::get('/', function () {  
19     return view('layouts.master');  
20 });  
21 */
```



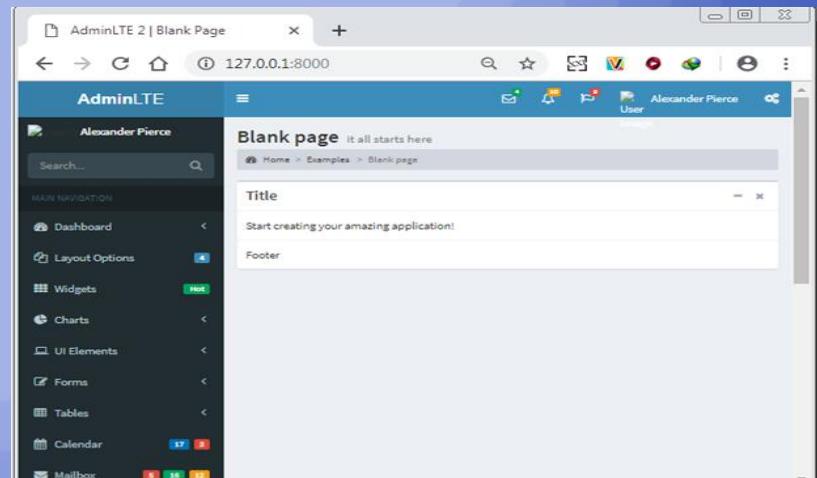
Templating 4

- Buka pada file **master.blade.php**, ubahlah link dari semua **bowercomponent dan dist ke folder assets**
- ubahlah link dari semua **Javascripts ke folder assets.**
- Silahkan jalankan kembali browser anda dengan **url 127.0.0.1:8000**. dan perhatikan perubahannya.

```
<head>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <title>DzayaDev</title>
  <!-- Tell the browser to be responsive to screen width -->
  <meta content="width=device-width, initial-scale=1, maximum-scale=1, user-scalable=no" name="viewport">
  <!-- Bootstrap 3.3.7 -->
  <link rel="stylesheet" href="/assets/bower_components/bootstrap/dist/css/bootstrap.min.css">
  <!-- Font Awesome -->
  <link rel="stylesheet" href="/assets/bower_components/font-awesome/css/font-awesome.min.css">
  <!-- Ionicons -->
  <link rel="stylesheet" href="/assets/bower_components/Ionicons/css/ionicons.min.css">
  <!-- Theme style -->
  <link rel="stylesheet" href="/assets/dist/css/AdminLTE.min.css">
  <!-- AdminLTE Skins. Choose a skin from the css/skins
       folder instead of downloading all of them to reduce the load. -->
  <link rel="stylesheet" href="/assets/dist/css/skins/_all-skins.min.css">

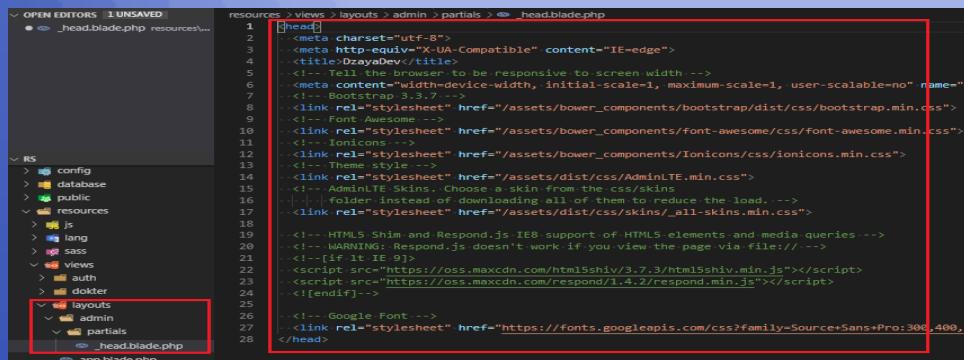
  <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries -->
```

```
<!-- jQuery 3 -->
<script src="/assets/bower_components/jquery/dist/jquery.min.js"></script>
<!-- Bootstrap 3.3.7 -->
<script src="/assets/bower_components/bootstrap/dist/js/bootstrap.min.js"></script>
<!-- SlimScroll -->
<script src="/assets/bower_components/jquery-slimscroll/jquery.slimscroll.min.js"></script>
<!-- FastClick -->
<script src="/assets/bower_components/fastclick/lib/fastclick.js"></script>
<!-- AdminLTE App -->
<script src="/assets/dist/js/adminlte.min.js"></script>
<!-- AdminLTE for demo purposes -->
<script src="/assets/dist/js/demo.js"></script>
<script>
  $(document).ready(function () {
    $('.sidebar-menu').tree()
  })
</script>
```



Templating 5

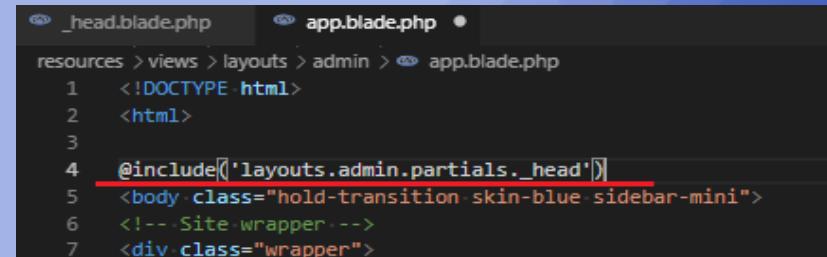
- Buatlah sebuah folder baru didalam folder admin dengan nama **partials**.
- Didalam folder **partials** buatlah file dengan nama **_header.blade.php**, potonglah sourcecode pada file **master.blade.php (bagian header pada baris ke 3-30)**, dibagian head dan pindahkan kedalam file **_header.blade.php**
- integrasikanlah file **_header.blade.php** yang baru saja anda buat dengan menggunakan fungsi **include** didalam file **master.blade.php**



```
> OPEN EDITORS 1 UNSAVED
resources > views > layouts > admin > partials > _head.blade.php
resources > _head.blade.php resources\_\_

RS
> config
> database
> public
> resources
> auth
> lang
> sass
> views
> auth
> dokter
> layouts
> admin
> partials
> _head.blade.php
> app.blade.php

1 <head>
2   <meta charset="utf-8">
3   <meta http-equiv="X-UA-Compatible" content="IE=edge">
4   <title>DzayaDev</title>
5   <meta content="width=device-width, initial-scale=1, maximum-scale=1, user-scalable=no" name="viewport">
6   <!-- Tell the browser to be responsive to screen width -->
7   <meta content="width=device-width, initial-scale=1, maximum-scale=1, user-scalable=no" name="viewport">
8   <link rel="stylesheet" href="/assets/bower_components/bootstrap/dist/css/bootstrap.min.css">
9   <!-- Font Awesome -->
10  <link rel="stylesheet" href="/assets/bower_components/font-awesome/css/font-awesome.min.css">
11  <link rel="stylesheet" href="/assets/bower_components/Ionicons/css/ionicons.min.css">
12  <!-- Theme style -->
13  <link rel="stylesheet" href="/assets/dist/css/AdminLTE.min.css">
14  <!-- AdminLTE Skins. Choose a skin from the css/skins
15  <!-- Folder instead of downloading all of them to reduce the load. -->
16  <link rel="stylesheet" href="/assets/dist/css/skins/_all-skins.min.css">
17
18  <!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries -->
19  <!-- WARNING: Respond.js doesn't work if you view the page via file://-->
20  <!--[if lt IE 9]>
21  <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
22  <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
23  <![endif]>
24
25  <!-- Google Font -->
26  <link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,600,700,900&display=block">
27
28 </head>
```



```
resources > views > layouts > admin > app.blade.php
resources > _head.blade.php resources\_\_app.blade.php

1 <!DOCTYPE html>
2 <html>
3
4 @include['layouts.admin.partials._head']
5 <body class="hold-transition skin-blue sidebar-mini">
6   <!-- Site wrapper -->
7   <div class="wrapper">
```

Templating 6

- Buatlah beberapa file lagi didalam **folder *partials*, yaitu file *_navbar.blade.php*, *_sidebar.blade.php*, *_footer.blade.php*, *_script.blade.php*, yang berfungsi untuk memisahkan bagian-bagian dari file **master.blade.php** (perhatikan gambar dibawah ini dan lakukan langkah yang sama seperti pada file *_head.blade.php*)**

The screenshot shows a code editor with the file `master.blade.php` open. The left sidebar displays the project structure:

- OPEN EDITORS**: `index.blade.php`, `master.blade.php` (highlighted), `_asidecontrol.blade.php`, `_jscript.blade.php`, `_footer.blade.php`.
- KURSUS**: `views` (expanded), `auth`, `layouts` (expanded):
 - `partials` (highlighted): `_asidecontrol.blade.php`, `_footer.blade.php`, `_header.blade.php`, `_jscript.blade.php`, `_navbar.blade.php`, `_sidebar.blade.php`.
 - `app.blade.php`
 - `master.blade.php` (highlighted)
- `siswa`: `index.blade.php`, `contohblade.blade.php`, `contohview.php`, `create.blade.php`, `home.blade.php`, `index.blade.php`, `welcome.blade.php`.
- `routes`: `api.php`, `channels.php`, `console.php`, `web.php` (highlighted).
- `storage`, `tests`, `vendor`.

The right pane shows the code for `master.blade.php`:

```
<!DOCTYPE html>
<html>
    @include('layouts.partials._header')
    <body class="hold-transition skin-blue sidebar-mini">
        <!-- Site wrapper -->
        <div class="wrapper">
            @include('layouts.partials._navbar')
            @include('layouts.partials._sidebar')

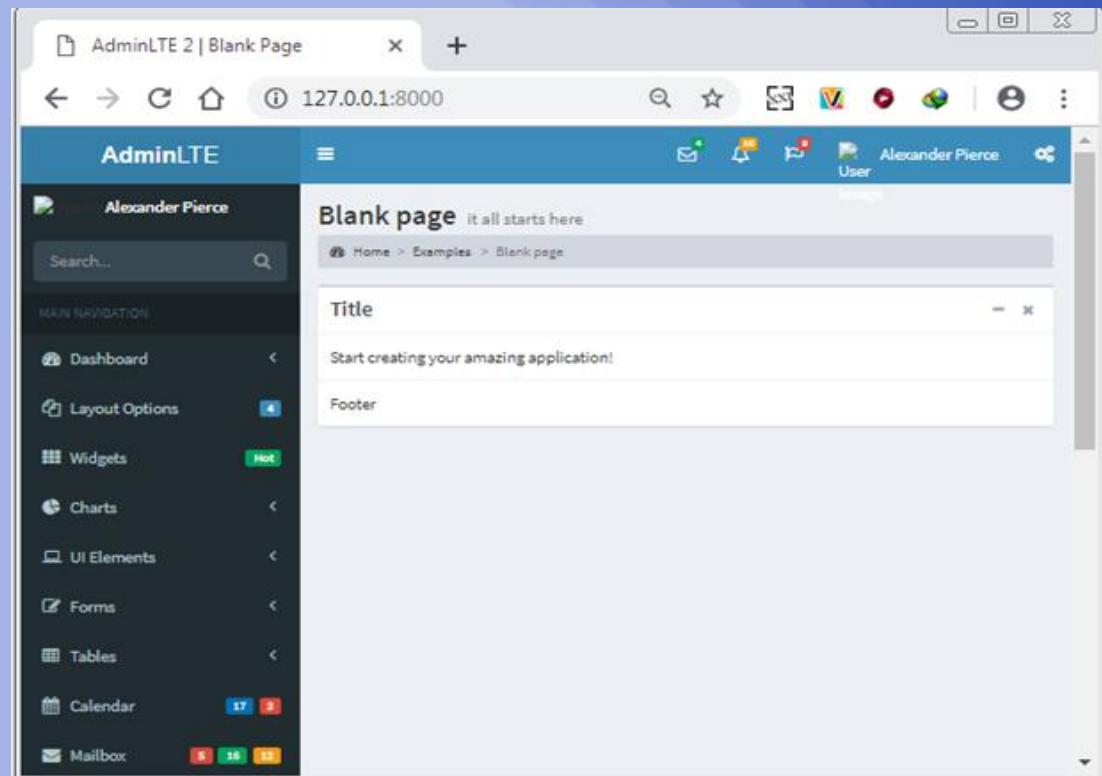
            <!-- Content Wrapper. Contains page content -->
            <div class="content-wrapper">
                <!-- Content Header (Page header) -->
                <section class="content-header">...</section>

                <!-- Main content -->
                <section class="content">
                    @yield('content')
                </section>
                <!-- /.content -->
            </div>
            <!-- /.content-wrapper -->
            @include('layouts.partials._footer')

            <!-- Control Sidebar (optional) -->
            @include('layouts.partials._asidecontrol')
            <!-- /.control-sidebar -->
            <!-- Add the sidebar's background. This div must be placed
            immediately after the control sidebar -->
            <div class="control-sidebar-bg"></div>
        </div>
        <!-- ./wrapper -->
        @include('layouts.partials._jscript')
        <!-- ./page -->
    </body>
```

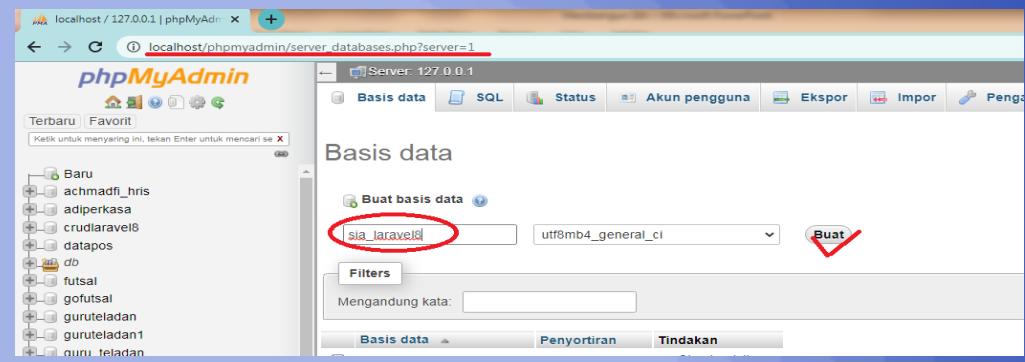
Templating 7

- coba jalankan pada browser anda, dan arahkan url ke alamat
http://127.0.0.1:8000
- Jika tidak terjadi kesalahan maka tampilan akan sama seperti sebelum file ***master.blade.php*** di ubah menjadi beberapa bagian



Membuat Database

- Buka server engine PHP **MyAdmint** pada browser
- Buatlah sebuah database baru dengan nama **sia_laravel8**
- Koneksikan database yang telah anda buat kedalam **project laravel** anda melalui file **.Env**



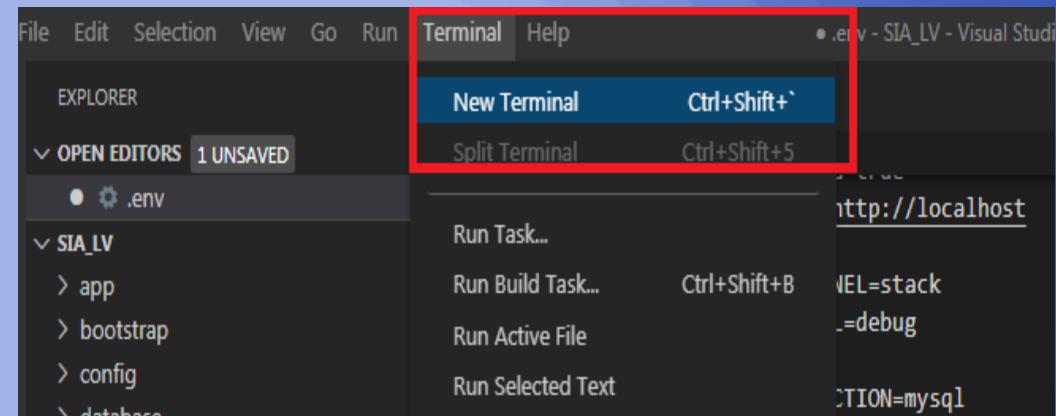
```
APP_DEBUG=true
APP_URL=http://localhost
LOG_CHANNEL=stack
LOG_LEVEL=debug
DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=sia_laravel8
DB_USERNAME=root
DB_PASSWORD=
BROADCAST_DRIVER=log
CACHE_DRIVER=file
FILESYSTEM_DRIVER=local
QUEUE_CONNECTION=sync
SESSION_DRIVER=file
SESSION_LIFETIME=120
```

The screenshot shows the contents of a '.env' file in a Laravel project. The DB connection section is highlighted with a red box:

```
DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=sia_laravel8
DB_USERNAME=root
DB_PASSWORD=
```

Membuat Tabel Database

- Buka terminal pada VS code studio, **Terminal/New Terminal** dan pastikan direktori yang aktif pada folder project laravel anda
- Pada terminal, jalankan perintah **php artisan make:migration create_guru_table** untuk membuat sebuah tabel dengan nama table guru



A screenshot of the Visual Studio Code terminal window. The tab bar at the top shows 'TERMINAL' (circled in red), 'PROBLEMS', 'OUTPUT', and 'DEBUG CONSOLE'. The terminal output shows the command 'php artisan make:migration create_guru_table' being run and the response 'Created Migration: 2021_09_11_192056_create_guru_table'.

```
PS E:\materi pelatihan\software\kursus> php artisan make:migration create_guru_table
Created Migration: 2021_09_11_192056_create_guru_table
```

Membuat Struktur Tabel

- Buatlah file table guru yang telah kita buat berada di dalam folder **database/migrations**,
- Buatlah sebuah struktur tabel guru seperti pada gambar
- Jalankan perintah **php artisan migrate** pada terminal untuk melakukan migrasi tabel guru.
- Setelah itu silahkan anda cek pada database di php myadmin apakah telah tercipta tabel guru, sesuai dengan struktur yang kita buat

```
14     public function up()
15     {
16         Schema::create('guru', function (Blueprint $table) {
17             $table->increments('id');
18             $table->string('nama');
19             $table->string('nip');
20             $table->string('jabatan');
21             $table->string('pendidikan');
22             $table->string('tempat_lahir');
23             $table->string('tanggal_lahir');
24             $table->string('agama');
25             $table->string('telp');
26             $table->string('alamat');
27             $table->string('photo')->default('imageuser');
28             $table->timestamps();
29         });
30     }
```

```
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE
Windows PowerShell
Copyright (C) 2009 Microsoft Corporation. All rights reserved.

PS E:\materi pelatihan\software\kursus> php artisan migrate
Migrating: 2021_09_11_175925_create_table_guru
Migrated: 2021_09_11_175925_create_table_guru (12.00ms)
PS E:\materi pelatihan\software\kursus>
```

min/sql.php?db=lab1_migrasi_db&table=table_guru&pos=0

Server: 127.0.0.1 » Basis data: lab1_migrasi_db » Tabel: table_guru

Jelajahi Struktur SQL Cari Tambahkan Eksport Impor

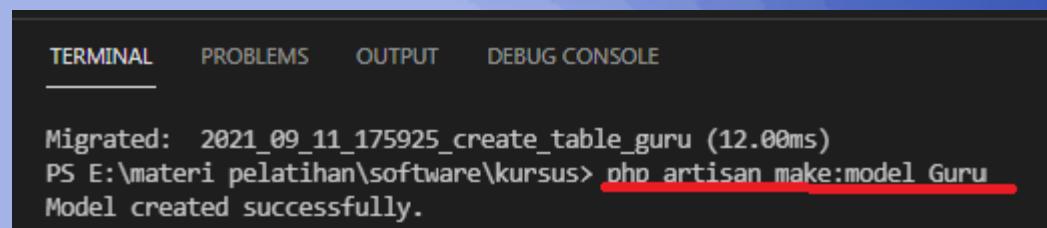
MySQL memberikan hasil kosong (atau nol baris). (Pencarian dilakukan dalam 0,0010 detik.)

SELECT * FROM `table_guru`

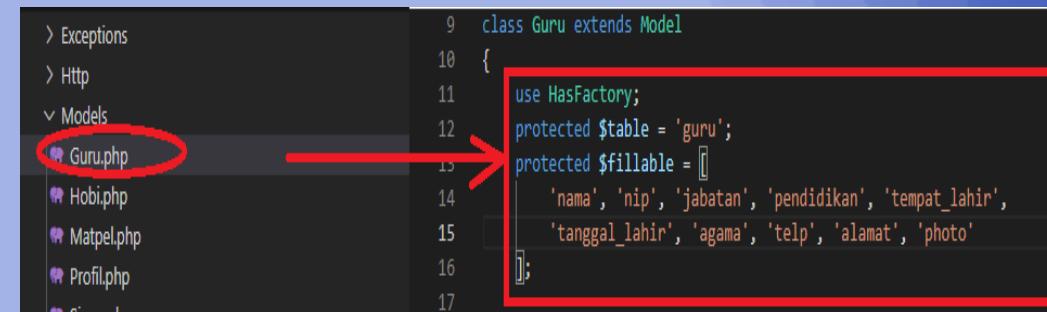
id	nama	nip	alamat	photo
----	------	-----	--------	-------

Membuat dummy data

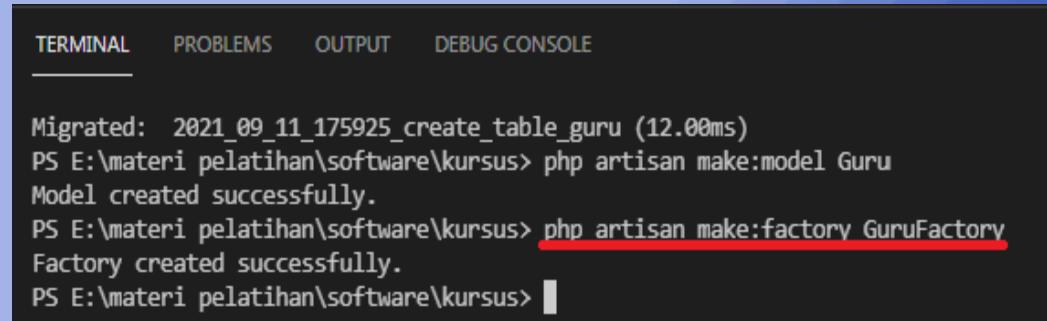
- **Membuat Model**
- Untuk membuat model, buka terminal kemudian jalankan perintah **php artisan make:model Guru**
- Kemudian buka file model Guru tersebut yang berada di folder **app/Models**. Kemudian buatlah sourcecode seperti pada gambar
- Buatlah sebuah factory yang akan digunakan untuk memasukan data dummy ke tabel, dengan menjalankan perintah **php artisan make:factory GuruFactory** melalui Terminal



```
Migrated: 2021_09_11_175925_create_table_guru (12.00ms)
PS E:\materi pelatihan\software\kursus> php artisan make:model Guru
Model created successfully.
```



```
> Exceptions
> Http
< Models
  Guru.php (highlighted with a red circle)
  Hobi.php
  Matpel.php
  Profil.php
  ...
9  class Guru extends Model
10 {
11   use HasFactory;
12   protected $table = 'guru';
13   protected $fillable = [
14     'nama', 'nip', 'jabatan', 'pendidikan', 'tempat_lahir',
15     'tanggal_lahir', 'agama', 'telp', 'alamat', 'photo'
16   ];
17 }
```



```
Migrated: 2021_09_11_175925_create_table_guru (12.00ms)
PS E:\materi pelatihan\software\kursus> php artisan make:factory GuruFactory
Factory created successfully.
PS E:\materi pelatihan\software\kursus>
```

Membuat dummy data

- Kemudian buka file Factory tersebut yang berada di folder **Databse/factories**. Kemudian buatlah sourcecode seperti pada gambar, pastikan anda **mengimpor model Guru**
 - Pada terminal jalankan perintah **php artisan db:seed** melalui

```
database > factories > 🏠 GuruFactory.php > 🏠 GuruFactory > definition
10 >     /** ...
11     protected $model = Guru::class;
12
13     /**
14     */
15
16
17 >     /**
18     */
19
20
21
22     public function definition()
23     {
24         return [
25             'nama' => $this->faker->name(),
26             'nip' => 1234567,
27             'jabatan' => 'guru mata pelajaran',
28             'pendidikan' => 'S1',
29             'tempat_lahir' => $this->faker->city,
30             'tanggal_lahir' => $this->faker->date(),
31             'agama' => 'islam',
32             'telp' => $this->faker->phoneNumber(),
33             'alamat' => $this->faker->address(),
34             'photo' => 'imageuser.jpg',
35
36         ];
37     }
38 }
```

The screenshot shows a code editor with a sidebar and a main panel.

Open Editors: 1 UNSAVED

- KURSUS
 - bootstrap
 - config
- database
 - factories
 - migrations
- seeders
 - DatabaseSeeder.php
 - HobiSeeder.php
 - Matpel_SiswaSeeder...
 - SeederTableStuden...
 - SiswaSeeder.php
 - StudentSeeder.php
- .gitignore

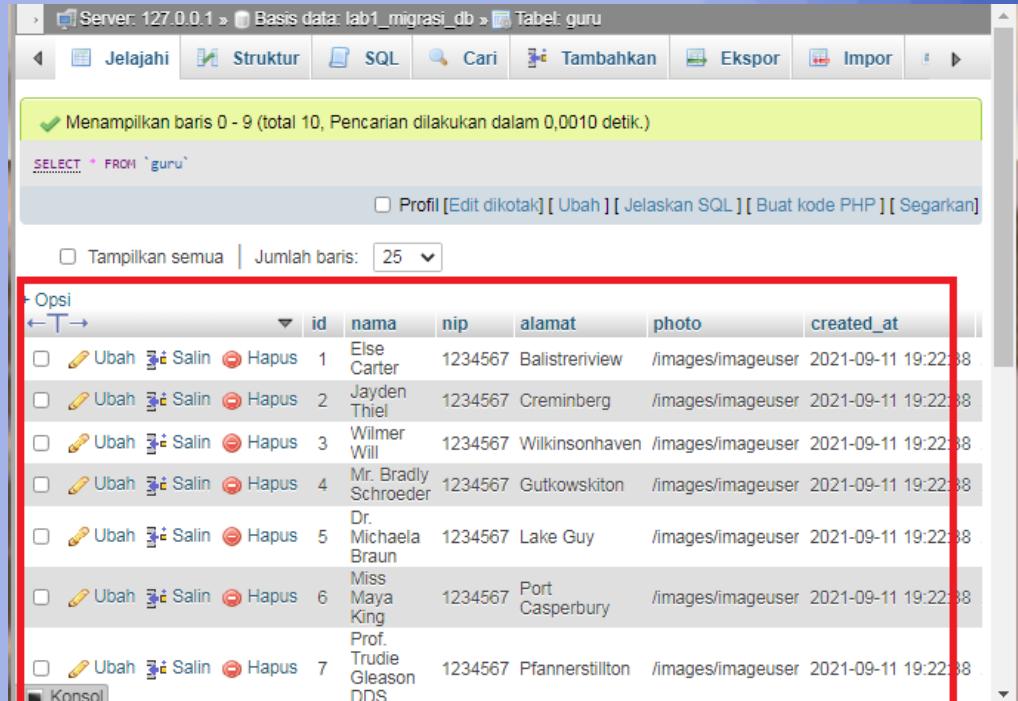
Outline: No symbols found in document

Main Panel: database > seeders > DatabaseSeeder.php

```
<?php
namespace Database\Seeders;
use Illuminate\Database\Eloquent\Model;
use Illuminate\Database\Seeder;
use Illuminate\Support\Facades\DB;
class DatabaseSeeder extends Seeder
{
    /**
     * Seed the application's database.
     *
     * @return void
     */
    public function run()
        \App\Models\Guru::factory(10)->create();
```

Membuat dummy data

- buka terminal kemudian jalankan perintah **php artisan db:seed**. Untuk memasukan dummy data
- Silahkan cek pada table guru yang ada didalam database, dan pastikan dummy data sudah tercipta sebanyak 10 data



The screenshot shows a MySQL Workbench interface with the following details:

- TERMINAL:**

```
Migrating: 2021_08_15_083409_create_testers_table
Migrated: 2021_08_15_083409_create_testers_table (20.00ms)
Migrating: 2021_09_11_192056_create_guru_table
Migrated: 2021_09_11_192056_create_guru_table (15.00ms)
PS E:\materi pelatihan\software\kursus> php artisan db:seed
Database seeding completed successfully.
PS E:\materi pelatihan\software\kursus>
```
- Server:** 127.0.0.1
Basis data: lab1_migrasi_db
Tabel: guru
- SQL Query:** `SELECT * FROM `guru``
- Table Data:** The 'guru' table contains 10 rows of data, each with columns: id, nama, nip, alamat, photo, and created_at.

	Opsi	id	nama	nip	alamat	photo	created_at
<input type="checkbox"/>	Ubah Salin Hapus	1	Else Carter	1234567	Balistreriview	/images/imageuser	2021-09-11 19:22:38
<input type="checkbox"/>	Ubah Salin Hapus	2	Jayden Thiel	1234567	Creminberg	/images/imageuser	2021-09-11 19:22:38
<input type="checkbox"/>	Ubah Salin Hapus	3	Wilmer Will	1234567	Wilkinsonhaven	/images/imageuser	2021-09-11 19:22:38
<input type="checkbox"/>	Ubah Salin Hapus	4	Mr. Bradly Schroeder	1234567	Gutkowskiton	/images/imageuser	2021-09-11 19:22:38
<input type="checkbox"/>	Ubah Salin Hapus	5	Dr. Michaela Braun	1234567	Lake Guy	/images/imageuser	2021-09-11 19:22:38
<input type="checkbox"/>	Ubah Salin Hapus	6	Miss Maya King	1234567	Port Casperbury	/images/imageuser	2021-09-11 19:22:38
<input type="checkbox"/>	Ubah Salin Hapus	7	Prof. Trudie Gleason DDS	1234567	Pfannerstillton	/images/imageuser	2021-09-11 19:22:38
	Konsol						

FUNGSI CRUD

(Create, Read, Update & Delete)

Laravel 8

Nurjaya

Menampilkan Data (Read)

- Buka file **model Guru.php**, kemudian buatlah sebuah **fungsi allData**, perhatikan pada gambar
- Buatlah sebuah **controller dengan nama GuruController**. Pada terminal jalankan **php artisan make:controller GuruController**

```
app > Models > Guru.php
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7  use Illuminate\Support\Facades\DB;
8
9  class Guru extends Model
10 {
11     use HasFactory;
12     protected $table = 'guru';
13     protected $fillable = ['nama', 'nip', 'alamat', 'photo'];
14
15     public function allData()
16     {
17         return DB::table('guru')->get();
18     }
19 }
```

```
TERMINAL    PROBLEMS    OUTPUT    DEBUG CONSOLE
_____
Migrating: 2021_08_15_083409_create_testers_table
Migrated: 2021_08_15_083409_create_testers_table (20.00ms)
Migrating: 2021_09_11_192056_create_guru_table
Migrated: 2021_09_11_192056_create_guru_table (15.00ms)
PS E:\materi pelatihan\software\kursus> php artisan db:seed
Database seeding completed successfully.
PS E:\materi pelatihan\software\kursus> php artisan make:controller GuruController
Controller created successfully.
PS E:\materi pelatihan\software\kursus>
```

Menampilkan Data (Read)

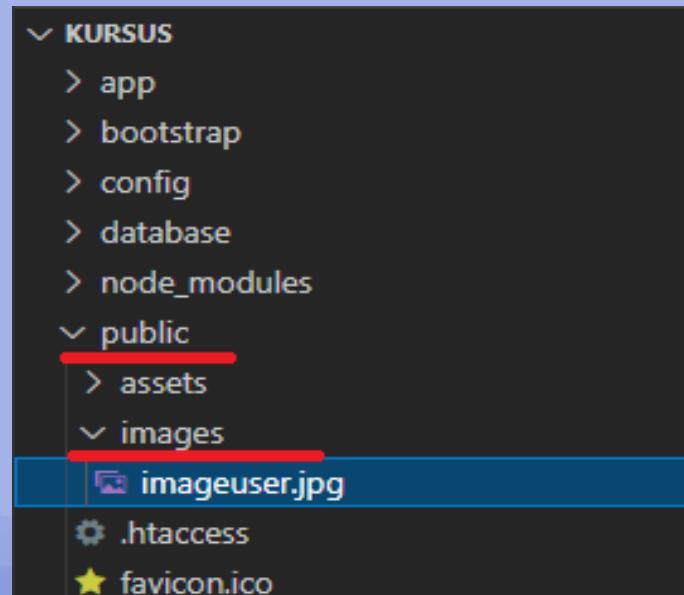
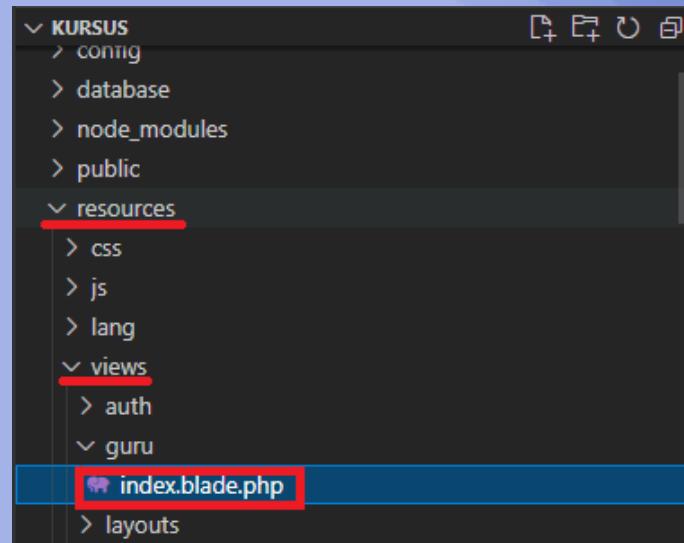
- Buka file **GuruController.php**, kemudian buatlah sebuah **fungsi construct dan fungsi index**, perhatikan pada gambar
- Bukalah file **web.php** Bukalah file, kemudian buatlah routing baru dengan nama route::get ('guru')

```
app > Http > Controllers > GuruController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use App\Models\Guru;
7
8  class GuruController extends Controller
9  {
10     public function __construct()
11     {
12         $this->Guru = new Guru();
13     }
14
15     public function index()
16     {
17         $data = [
18             'guru' => $this->Guru->allData(),
19         ];
20         return view('guru.index', $data);
21     }
}
```

```
routes > web.php > ...
1  <?php
2
3  use Illuminate\Support\Facades\App;
4  use App\Models\Studen;
5  use Illuminate\Support\Facades\Route;
6  use App\Http\Controllers\SiswaController;
7  use App\Http\Controllers\GuruController;
8  use App\Models\Profil;
9
10 /*
11 |-----
12 | Web Routes
13 |-----
14 |
15 | Here is where you can register web routes for your application. These
16 | routes are loaded by the RouteServiceProvider within a group which
17 | contains the "web" middleware group. Now create something great!
18 |
19 */
20
21 Route::get('guru', [GuruController::class, 'index'])->name('guru');
```

Menampilkan Data (Read)

- Didalam **folder resources/views**, Buatlah sebuah folder baru dengan **nama folder guru**
- Lalu didalm folder guru tersebut, buatlah sebuah file baru dengan nama **index.blade.php**
- Pastikan anda sudah membuat juga folder images didalam folder public sebagai tempat untuk menyimpan gambar/photo



Menampilkan Data (Read)

- Buka file **index.blade.php**, kemudian buatlah sebuah tabel yang berfungsi menampung data guru.
- Ketikan source code di bawah ini

```
resources > views > guru > index.blade.php
1 @extends('layouts.master')
2 @section('content')
3
4 <div class="col-xs-12">
5   <div class="box">
6     <h3 class="box-title"><i class="fa fa-database"> Data guru </i></h3>
7     <div class="box-header">
8       <a href="#" class="btn btn-primary btn-sm"><i class="fa fa-plus-square"> Tambah Guru </i></a>
9     </div>
10    <!-- /.box-header -->
11    <div class="box-body">
12      <div id="example2_wrapper" class="dataTables_wrapper form-inline dt-bootstrap">
13        <div class="row">
14          <div class="col-sm-6"></div>
15          <div class="col-sm-6"></div>
16        </div>
17        <div class="row">
18          <div class="col-sm-12">
19            <table id="guru-table" class="table table-bordered table-hover dataTable"
20              role="grid" aria-describedby="example2_info">
21              <thead>
22                <tr role="row">
23                  <th> No</th>
24                  <th> Nama</th>
25                  <th> NIP</th>
26                  <th> Alamat</th>
27                  <th> Photo</th>
28                  <th> Aksi</th>
29                </tr>
30              </thead>
31              <tbody>
```

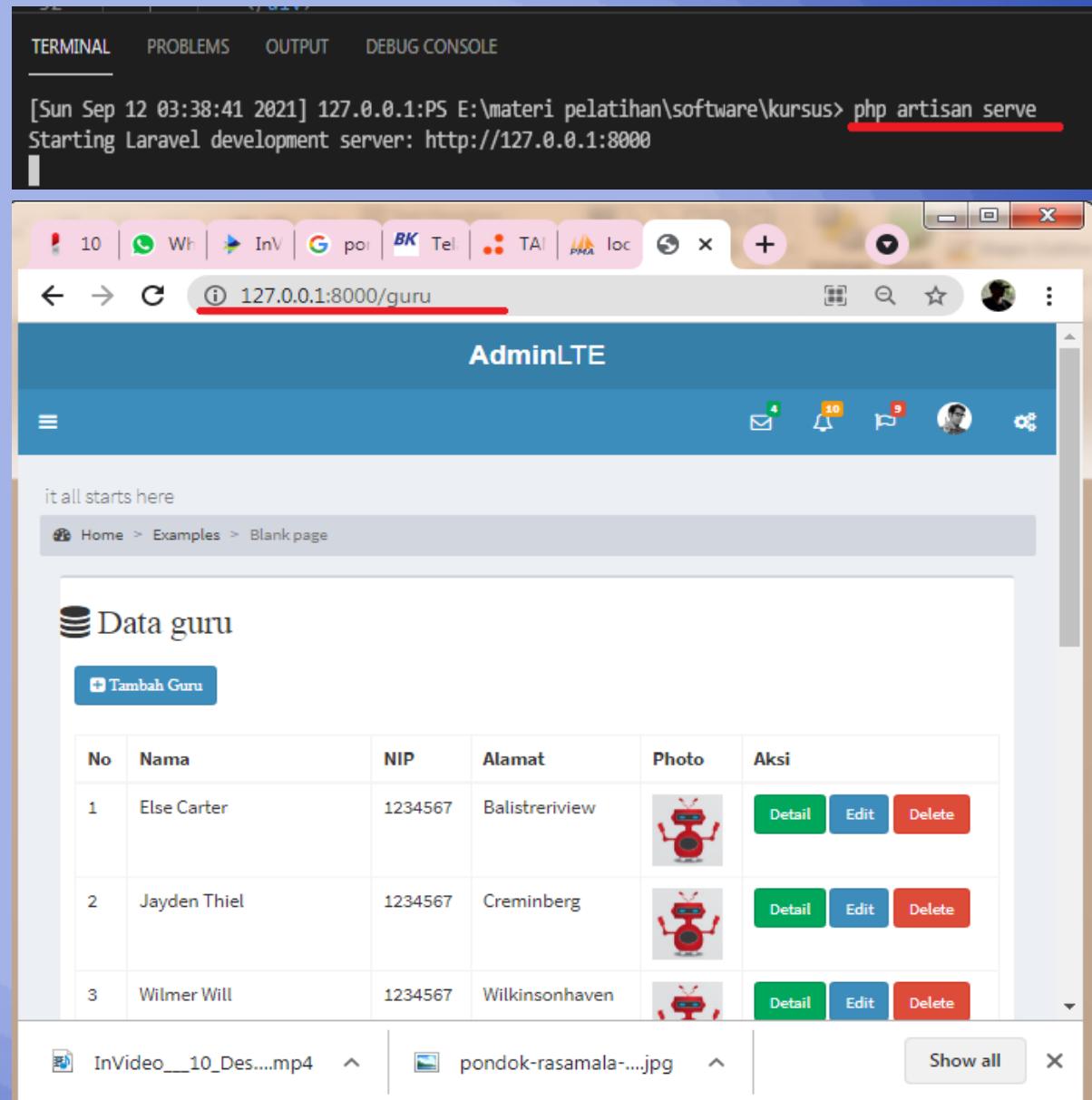
Menampilkan Data (Read)

```
resources > views > guru > 🐻 index.blade.php
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
```

No	Nama	NIP	Alamat	Photo	Action
1					Detail Edit <button name="submit" type="submit">Delete</button>
2					Detail Edit <button name="submit" type="submit">Delete</button>
3					Detail Edit <button name="submit" type="submit">Delete</button>
4					Detail Edit <button name="submit" type="submit">Delete</button>
5					Detail Edit <button name="submit" type="submit">Delete</button>
6					Detail Edit <button name="submit" type="submit">Delete</button>
7					Detail Edit <button name="submit" type="submit">Delete</button>
8					Detail Edit <button name="submit" type="submit">Delete</button>
9					Detail Edit <button name="submit" type="submit">Delete</button>
10					Detail Edit <button name="submit" type="submit">Delete</button>
11					Detail Edit <button name="submit" type="submit">Delete</button>
12					Detail Edit <button name="submit" type="submit">Delete</button>
13					Detail Edit <button name="submit" type="submit">Delete</button>
14					Detail Edit <button name="submit" type="submit">Delete</button>
15					Detail Edit <button name="submit" type="submit">Delete</button>
16					Detail Edit <button name="submit" type="submit">Delete</button>
17					Detail Edit <button name="submit" type="submit">Delete</button>
18					Detail Edit <button name="submit" type="submit">Delete</button>
19					Detail Edit <button name="submit" type="submit">Delete</button>
20					Detail Edit <button name="submit" type="submit">Delete</button>
21					Detail Edit <button name="submit" type="submit">Delete</button>
22					Detail Edit <button name="submit" type="submit">Delete</button>
23					Detail Edit <button name="submit" type="submit">Delete</button>
24					Detail Edit <button name="submit" type="submit">Delete</button>
25					Detail Edit <button name="submit" type="submit">Delete</button>
26					Detail Edit <button name="submit" type="submit">Delete</button>
27					Detail Edit <button name="submit" type="submit">Delete</button>
28					Detail Edit <button name="submit" type="submit">Delete</button>
29					Detail Edit <button name="submit" type="submit">Delete</button>
30					Detail Edit <button name="submit" type="submit">Delete</button>
31					Detail Edit <button name="submit" type="submit">Delete</button>
32					Detail Edit <button name="submit" type="submit">Delete</button>
33					Detail Edit <button name="submit" type="submit">Delete</button>
34					Detail Edit <button name="submit" type="submit">Delete</button>
35					Detail Edit <button name="submit" type="submit">Delete</button>
36					Detail Edit <button name="submit" type="submit">Delete</button>
37					Detail Edit <button name="submit" type="submit">Delete</button>
38					Detail Edit <button name="submit" type="submit">Delete</button>
39					Detail Edit <button name="submit" type="submit">Delete</button>
40					Detail Edit <button name="submit" type="submit">Delete</button>
41					Detail Edit <button name="submit" type="submit">Delete</button>
42					Detail Edit <button name="submit" type="submit">Delete</button>
43					Detail Edit <button name="submit" type="submit">Delete</button>
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46					Detail Edit <button name="submit" type="submit">Delete</button>
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48					Detail Edit <button name="submit" type="submit">Delete</button>
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59					Detail Edit <button name="submit" type="submit">Delete</button>
60					Detail Edit <button name="submit" type="submit">Delete</button>
61					Detail Edit <button name="submit" type="submit">Delete</button>
62					Detail Edit <button name="submit" type="submit">Delete</button>
63					Detail Edit <button name="submit" type="submit">Delete</button>

Menampilkan Data (Read)

- Silahkan jalankan server dengan perintah php artisan serve., lalu buka file browser anda dan silahkan coba anda akses url **http://127.0.0.1:8000/guru**



Menampilkan Detail Data (Read)

- Bukalah file **model Guru.php**, lalu buatlah fungsi baru dengan nama **detailData**, masukan source code seperti pada gambar di samping
- Bukalah file **GuruController.php**, lalu buatlah fungsi baru dengan nama **profil**, masukan source code seperti pada gambar di samping
- Bukalah file **index.blade.php**, kemudian pada tombol detail, arahkan ke route **guru/profil**
- Buatlah route baru dengan nama **guru/profil/{id}** didalam file **web.php**

The image shows four panels of a code editor, each containing PHP code:

- Panel 1 (Models):** Shows the `Guru.php` model with a highlighted `detailData` method:

```
use HasFactory;
protected $table = 'guru';
protected $fillable = ['nama', 'nip', 'alamat', 'photo'];

public function allData()
{
    return DB::table('guru')->get();
}

public function detailData($id)
{
    return DB::table('guru')->where('id', '$id')->first();
}
```
- Panel 2 (Controllers):** Shows the `GuruController.php` controller with a highlighted `profil` method:

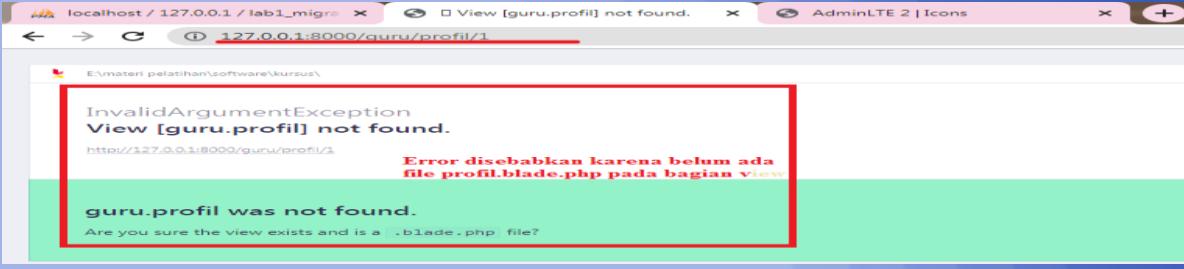
```
public function profil($id)
{
    $guru = Guru::find($id);
    $data = [
        'guru' => $this->Guru->detailData($id),
    ];
    return view('guru.profil', ['guru' => $guru, 'data' => $data]);
}
```
- Panel 3 (Views):** Shows the `index.blade.php` view with a highlighted link to the detail view:

```
<a href="/guru/profil/{{ $data->id }}" class="btn btn-success btn-sm">Detail</a>
<a href="#" class="btn btn-primary btn-sm">Edit</a>
<button type="submit" name="submit" class="btn btn-danger btn-sm">Delete</button>
```
- Panel 4 (Routes):** Shows the `web.php` route file with a highlighted route definition:

```
Route::get('guru', [GuruController::class, 'index']);
Route::get('guru/profil/{id}', [GuruController::class, 'profil']);
```

Menampilkan Detail Data (Read)

- Silahkan jalankan server dengan perintah php artisan serve., lalu buka browser anda dan akses url
http://127.0.0.1:8000/guru/ dan klik tombol detail guru
- Didalam folder **resource/view/guru** buatlah file baru dengan nama **profil.blade.php**, kemudian masukan sourcecode



The screenshot shows a browser window with the URL `127.0.0.1:8000/guru/profil/1`. The page displays an error message: "InvalidArgumentError View [guru.profil] not found." followed by the URL `http://127.0.0.1:8000/guru/profil/1`. A red box highlights the error message. Below the error message, a green box contains the text "guru.profil was not found." and the question "Are you sure the view exists and is a .blade.php file?".

```
sources > views > guru > profil.blade.php > div.row > div.col-md-3 > div.box.box-primary > div.box-body.box-profile > img.profile-user-img.img-responsive.in
```

```
1 @extends('layouts.master')
2 @section('content')
3
4 <div class="row">
5   <div class="col-md-3">
6     <div class="box box-primary">
7       <div class="box-body box-profile">
8         $guru->nama</h3>
11        <p>
12          <h4 class="text-muted text-center"><span>
13            $guru->jabatan</span>
14          </span></h4>
15        </p>
16        <strong><i class="fa fa-book margin-r-5"></i>NIP :</strong> $guru->nip<br>
17        <strong><i class="fa fa-pinterest margin-r-5"></i>Pendidikan :</strong> $guru->pendidikan<br>
18        <strong><i class="fa fa-bank margin-r-5"></i>Tempat Lahir :</strong> $guru->tempat_lahir<br>
19        <strong><i class="fa fa-calendar margin-r-5"></i>Tanggal Lahir :</strong> $guru->tanggal_lahir<br>
20        <strong><i class="fa fa-whatsapp margin-r-5"></i>No Telp :</strong> $guru->telp<br>
21        <strong><i class="fa fa-map-marker margin-r-5"></i>Alamat :</strong> $guru->alamat<br>
22        <a href="/guru" class="btn btn-success btn-block"><b>CLOSE</b></a>
23      </div>
24    </div>
25  </div>
26 </div>
27
28 @endsection @push('scripts') <script>
29   $(function() {
30     $('#guru-table').DataTable();
31   });
32 </script>
33 @endpush
```

Ln 9, Col 17 Spaces: 4 UTF-8 CRLF PHP

Menampilkan Detail Data (Read)

- Silahkan buka browser anda dan akses kembali url **http://127.0.0.1:8000/guru**, lalu klik tombol detail guru

The screenshot shows a web browser window with three tabs: 'localhost / 127.0.0.1 / lab1_migra' (active), 'AdminLTE 2 | Blank Page', and 'AdminLTE 2 | Icons'. The main content area displays a teacher profile for 'Jayden Thiel'. The profile includes a circular icon of a red robot, the name 'Jayden Thiel', the title 'Guru Mata Pelajaran', and the NIP number '1234567'. Below this, there are fields for education ('Pendidikan : S1'), birthplace ('Tempat Lahir : Jakarta'), birthdate ('Tanggal Lahir : 1973-12-23'), phone number ('No Telp : 08176666555'), and address ('Alamat : Creminberg'). At the bottom, there is a 'Skills' section with tags: UI Design, Coding, Javascript, PHP, and Node.js. A green 'CLOSE' button is at the bottom right of the modal.

Menambahkan Data (Create)

- Buatlah Routing baru dengan nama **guru/create** pada file **web.php**
- pada file **index.blade.php**, pada bagian tombol tambah guru, arahkan link kepada route **guru/create**
- pada file **GuruController**, buatlah sebuah **fungsi create** yang akan mengarahkan kepada tampilan/ view ke halaman **guru/create**
- lalu buatlah sebuah file baru didalam folder **resources/views/guru** dengan nama file **create.blade.php**

The screenshot shows a code editor with several tabs open, illustrating the steps to create a new data entry page.

- routes/web.php:** Shows the definition of a new route `Route::get('guru/create', [GuruController::class, 'create']);` highlighted in red.
- resources/views/guru/index.blade.php:** Shows an anchor tag `<i class="fa fa-plus-square"></i>` also highlighted in red, indicating where it links to the new route.
- GuruController.php:** Shows the `create()` method highlighted in red, which returns the `'guru.create'` view.
- File Structure:** A sidebar shows the directory structure:
 - resources**:
 - css
 - js
 - lang
 - views**:
 - auth
 - guru**:
 - create.blade.php** (highlighted in red)
 - edit.blade.php
 - index.blade.php

Menambahkan Data (Create)

- Bukalah file **create.blade.php** yang baru saja anda buat, kemudian masukan sourcecode dibawah ini

```
resources > views > guru > 📄 create.blade.php > ...
1  @extends('layouts.master')
2  @section('title','Tambah Data Guru')
3  @section('content')
4
5  <div class="row">
6      <div class="col-md-6">
7          <Form action="guru/insert" , method="POST" enctype="multipart/form-data">
8              @csrf
9              <div class="form-group">
10                 <div class="input-group">
11                     <span class="input-group-addon"><i class="fa fa-user"></i></span>
12                     <input type="text" class="form-control" placeholder="Nama">
13                 </div>
14             </div>
15             <div class="form-group">
16                 <div class="input-group">
17                     <span class="input-group-addon"><i class="fa fa-book"></i></span>
18                     <input type="text" class="form-control" placeholder="NIP">
19                 </div>
20             </div>
21             <div class="form-group">
22                 <div class="input-group">
23                     <span class="input-group-addon"><i class="fa fa-envelope"></i></span>
24                     <input type="text" class="form-control" placeholder="Jabatan">
25                 </div>
26             </div>
27             <div class="form-group">
28                 <div class="input-group">
29                     <span class="input-group-addon"><i class="fa fa-graduation-cap"></i></span>
30                     <input type="text" class="form-control" placeholder="Pendidikan">
31                 </div>
32             </div>
33             <div class="form-group">
34                 <div class="input-group">
35                     <div class="input-group-addon">
36                         <i class="fa fa-bank "></i>
37                     </div>
38                     <input type="text" class="form-control" placeholder="Tempat lahir" data-inputmask=""mask":"(999) 999-9999"" data-mask="">
39                 </div>
40             </div>
41             <div class="form-group">
42                 <div class="input-group">
43                     <div class="input-group-addon">
44                         <i class="fa fa-calendar"></i>
45                     </div>
46                     <input type="text" class="form-control" placeholder="Tanggal lahir" data-inputmask=""mask":"(999) 999-9999"" data-mask="">
47                 </div>
48             </div>
49             <div class="form-group">
50                 <select class="form-control">
51                     <option>Islam</option>
52                     <option>Kristen</option>
53                     <option>Hindu</option>
54                     <option>Budha</option>
55                 </select>
56             </div>
57         </div>
58     </div>
59 
```

Menambahkan Data (Create)

```
resources > views > guru > create.blade.php > div.row > div.col-md-6 > Form > div.form-group > input#exampleInputFile
55           <option>Hindu</option>
56           <option>Budha</option>
57           <option>Lainnya</option>
58       </select>
59   </div>
60   <div class="form-group">
61       <div class="input-group">
62           <div class="input-group-addon">
63               <i class="fa fa-phone"></i>
64           </div>
65           <input type="text" class="form-control" placeholder="No Telp" data-inputmask=""mask":>
66           &quot;(999) 999-9999&quot;" data-mask="">
67       </div>
68   </div>
69   <div class="form-group">
70       <div class="input-group">
71           <div class="input-group-addon">
72               <i class="fa fa-map-marker"></i>
73           </div>
74           <input type="text" class="form-control" placeholder="Alamat" data-inputmask=""mask":>
75           &quot;(999) 999-9999&quot;" data-mask="">
76       </div>
77   </div>
78   <div class="form-group">
79       <label for="exampleInputFile">Photo</label>
80       <input type="file" id="exampleInputFile" />
81       <p class="help-block">Silahkan Input Photo Guru.</p>
82   </div>
83 </Form>
84 <div>
85     <a href="#" class="btn btn-success btn-sm">Close</a>
86     <a href="#" class="btn btn-primary btn-sm">Save</a>
87 </div>
88 </div>
89 </div>
90 @endsection
91 @push('scripts') <script>
92     $(function() {
93         $('#guru-table').DataTable();
94     });
95 </script>
96 @endpush
```

Menambahkan Data (create)

- Silahkan jalankan server dengan perintah php artisan serve., lalu buka file browser anda dan silahkan coba anda akses url **http://127.0.0.1:8000/guru** dan klik tombol tambah guru, untuk melihat tampilan halaman create

The screenshot shows a web browser window with three tabs open. The active tab is titled "127.0.0.1:8000/guru/create". The page has a blue header with the AdminLTE logo and a user profile for Alexander Pierce. On the left, there's a sidebar with navigation links like "Data Siswa" and "Layout Options". The main content area is titled "Tambah Data Guru" and contains the following form fields:

- Nama (Name) - Input field with a person icon
- NIP (Identification Number) - Input field with a document icon
- Jabatan (Position) - Input field with an envelope icon
- Pendidikan (Education) - Input field with a graduation cap icon
- Tempat lahir (Place of birth) - Input field with a building icon
- Tanggal lahir (Birthdate) - Input field with a calendar icon
- Islam (Religion) - A dropdown menu currently showing "Islam"
- No Telp (Phone Number) - Input field with a phone icon
- Alamat (Address) - Input field with a location pin icon

Below the form, there's a section labeled "Photo" with a "Choose File" button and a note: "Silahkan Input Photo Guru." At the bottom of the form are two buttons: "Close" and "Save".

Menambahkan Data (Create)

- pada file **create.blade.php** ubahlah fungsi text anchor menjadi tipe button dan pindahkan posisinya sehingga berada didalam tag form
- buat routing dengan nama **guru/insert** baru pada file **web.php**
- Pada file **GuruController** buatlah fungsi **insert** yang akan berisi validasi data input

The screenshot shows three code files in a code editor:

- routes/web.php:** Contains routing rules. The line `Route::post('guru/insert', [GuruController::class, 'insert']);` is highlighted with a red box.
- app/Http/Controllers/GuruController.php:** Contains the `GuruController` class. The `insert()` method is shown, which includes validation logic for input fields. The entire validation block is highlighted with a red box.
- Partial View:** Shows a portion of a blade template (`create.blade.php`). It contains a `<Form>` tag with two buttons: "Close" (anchor tag) and "Save" (button tag). The "Save" button is highlighted with a red box.

```
131     </div>
132     <div>
133         <a href="/guru" class="btn btn-success btn-sm">Close</a>
134         <button class="btn btn-primary btn-sm">Save</button>
135     </div>
136 </Form>
137

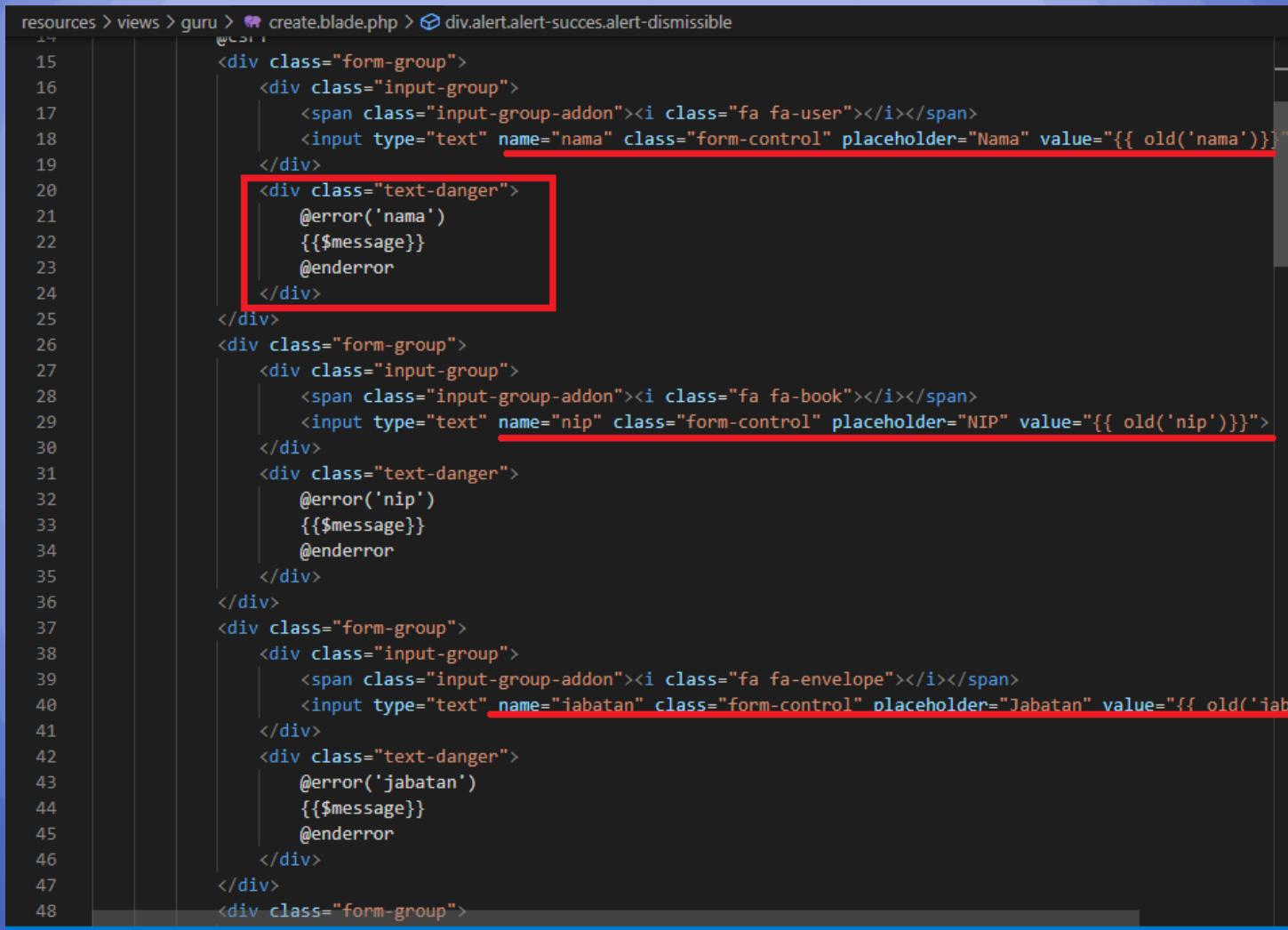
routes > web.php > ...
20
21 Route::get('guru', [GuruController::class, 'index']);
22 Route::get('guru/profil/{id}', [GuruController::class, 'profil']);
23 Route::get('guru/create', [GuruController::class, 'create']);
24 Route::post('guru/insert', [GuruController::class, 'insert']);
25

app > Http > Controllers > GuruController.php > GuruController > insert
26
27     public function insert()
28     {
29         //fungsi validasi data input
30         Request()->validate([
31             'nama' => 'required|alpha|min:4',
32             'nip' => 'required|int|min:7',
33             'jabatan' => 'required',
34             'pendidikan' => 'required',
35             'tempat_lahir' => 'required',
36             'tanggal_lahir' => 'required',
37             'agama' => 'required',
38             'telp' => 'required|alpha-num|min:11',
39             'photo' => 'required|mimes:jpg,jpeg,png|max:512',
40         ]);
41     }


```

Menambahkan Data (Create)

- pada file **create.blade.php** lakukan modifikasi pada text input, lakukan dan sesuaikan dengan nama field setiap komponen., perhatikan gambar di bawah ini



```
resources > views > guru > create.blade.php > div.alert.alert-sukses.alert-dismissible
15     <div class="form-group">
16         <div class="input-group">
17             <span class="input-group-addon"><i class="fa fa-user"></i></span>
18             <input type="text" name="nama" class="form-control" placeholder="Nama" value="{{ old('nama') }}">
19         </div>
20         <div class="text-danger">
21             @error('nama')
22                 {{$message}}
23             @enderror
24         </div>
25     </div>
26     <div class="form-group">
27         <div class="input-group">
28             <span class="input-group-addon"><i class="fa fa-book"></i></span>
29             <input type="text" name="nip" class="form-control" placeholder="NIP" value="{{ old('nip') }}">
30         </div>
31         <div class="text-danger">
32             @error('nip')
33                 {{$message}}
34             @enderror
35         </div>
36     </div>
37     <div class="form-group">
38         <div class="input-group">
39             <span class="input-group-addon"><i class="fa fa-envelope"></i></span>
40             <input type="text" name="jabatan" class="form-control" placeholder="Jabatan" value="{{ old('jabatan') }}>
41         </div>
42         <div class="text-danger">
43             @error('jabatan')
44                 {{$message}}
45             @enderror
46         </div>
47     </div>
48     <div class="form-group">
```

```
47     </div>
48     <div class="form-group">
49         <div class="input-group">
50             <span class="input-group-addon"><i class="fa fa-graduation-cap"></i></span>
51             <input type="text" name="pendidikan" class="form-control" placeholder="Pendidikan" value="{{ old('pendidikan')}}">
52         </div>
53         <div class="text-danger">
54             @error('pendidikan')
55                 {{$message}}
56             @enderror
57         </div>
58     </div>
59     <div class="form-group">
60         <div class="input-group">
61             <div class="input-group-addon">
62                 <i class="fa fa-bank "></i>
63             </div>
64             <input type="text" name="tempat_lahir" class="form-control" placeholder="Tempat lahir" data-inputmask=""mask"; :
65                 &quot;(999) 999-9999&quot;" data-mask="" value="{{ old('tempat_lahir')}}">
66         </div>
67         <div class="text-danger">
68             @error('tempat_lahir')
69                 {{$message}}
70             @enderror
71         </div>
72     </div>
73     <div class="form-group">
74         <div class="input-group">
75             <div class="input-group-addon">
76                 <i class="fa fa-calendar"></i>
77             </div>
78             <input type="date" name="tanggal_lahir" class="form-control" placeholder="Tanggal lahir" data-inputmask=""mask"; :
79                 &quot;(999) 999-9999&quot;" data-mask="" value="{{ old('tanggal_lahir')}}">
80         </div>
81         <div class="text-danger">
82             @error('tanggal_lahir')
83                 {{$message}}
84             @enderror
85         </div>
```

```
86     </div>
87     <div class="form-group">
88         <select name="agama" class="form-control">
89             <option>Islam</option>
90             <option>Kristen</option>
91             <option>Hindu</option>
92             <option>Budha</option>
93             <option>Lainnya</option>
94         </select>
95         <div class="text-danger">
96             @error('agama')
97             {{$message}}
98             @enderror
99         </div>
100    </div>
101    <div class="form-group">
102        <div class="input-group">
103            <div class="input-group-addon">
104                <i class="fa fa-phone"></i>
105            </div>
106            <input type="text" name="telp" class="form-control" placeholder="No Telp" data-inputmask=""mask":"(999) 999-9999"" data-mask="" value="{{ old('telp') }}">
107        </div>
108        <div class="text-danger">
109            @error('telp')
110            {{$message}}
111            @enderror
112        </div>
113    </div>
114    <div class="form-group">
115        <div class="input-group">
116            <div class="input-group-addon">
117                <i class="fa fa-map-marker"></i>
118            </div>
119            <input type="text" name="alamat" class="form-control" placeholder="Alamat" data-inputmask=""mask":"(999) 999-9999"" data-mask="" value="{{ old('alamat') }}">
120        </div>
121        <div class="text-danger">
122            @error('alamat')
123            {{$message}}
124            @enderror
125        </div>
126    </div>
127    <div class="form-group">
128        <label>Photo</label>
129        <input type="file" name="photo" class="form-control" value="{{ old('photo') }}">
130    </div>
131    <div class="text-danger">
132        @error('photo')
133        {{$message}}
134        @enderror
135    </div>
136    </div>
137    </div>
```

Menambahkan Data (Create)

- Silahkan jalankan server dengan perintah php artisan serve., lalu buka file browser anda dan silahkan coba anda akses url **http://127.0.0.1:8000/guru/create**
- lalu coba inputkan data baru dimana jika input tdk boleh kosong dan sesuai dengan aturan yang sudah ditentukan maka form akan menampilkan error message
- Jika input sudah sesuai maka data akan tersimpan dan meridirect ke halaman guru

New Tab | www.internetdownloadmanager.com | www.internetdownloadmanager.com | AdminLTE

127.0.0.1:8000/guru/create

AdminLTE

Alexander Pierce
Online

Search...

MAIN NAVIGATION

Data Siswa

Layout Options

Tambah Data Guru

Name: The name must only contain letters.

NIP:

Position: The jabatan field is required.

Education: The pendidikan field is required.

Birthplace: The tempat lahir field is required.

Birthdate: The tanggal lahir field is required.

Religion:

Phone: The telp field is required.

Address:

Photo: Choose File No file chosen The photo field is required.

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Menambahkan Data (Create)

- Selanjutnya kita akan membuat session jika data berhasil di simpan
- Buka file **index.blade.php** tambahkan fungsi session pada bagian **di atas header box**
- lalu coba inputkan data guru kembali, dimana saat data tersimpan maka saat redirect di halaman akan tampil pesan data berhasil tersimpan

```
resources > views > guru > index.blade.php > div.col-xs-12 > div.box
1  @extends('layouts.master')
2  @section('title','Data Guru')
3  @section('content')
4
5  <div class="col-xs-12">
6      <div class="box">
7          <h3 class="box-title"><i class="fa fa-database"></i> Data guru </h3>
8          @if(session('pesan'))
9              <div class="alert alert-success alert-dismissible">
10                 <button type="button" class="close" data-dismiss="alert" aria-hidden="true">&times;</button>
11                 <h4><i class="fa fa-check"></i> Success</h4>
12                 {{session('pesan')}}.
13             </div>
14         @endif
15         <div class="box-header">
16             <a href="guru/create" class="btn btn-primary btn-sm"><i class="fa fa-plus-square"></i> Tambah Guru </a>
```

The screenshot shows a web application interface. On the left, there's a sidebar with a user profile for 'Alexander Pierce' (Online), a search bar, and navigation links for 'Data Siswa' and 'Layout Options'. The main content area has a title 'Data Guru' and a success message 'Success' with the text 'Data Berhasil di Tambahkan.' Below this, there's a button labeled 'Tambah Guru'. A table lists five data entries:

No	Nama	NIP
1	Else Carter	1234567
2	Jayden Thiel	1234567
3	Wilmer Will	1234567
4	Mr. Bradly Schroeder	1234567
5	Dr. Michaela Braun	1234567

Fungsi Update (Edit) Data

- Buatlah Routing baru dengan nama **guru/edit** pada file **web.php**
- pada file **index.blade.php**, pada bagian tombol tambah guru, arahkan link kepada route **guru/edit**
- pada file **GuruController**, buatlah sebuah **fungsi edit** dengan parameter id, dan akan mengarahkan kepada tampilan/ view ke halaman **guru/edit**
- lalu buatlah sebuah file baru didalam folder **resources/views/guru** dengan nama file **edit.blade.php**

The screenshot shows a code editor with several tabs and a file structure sidebar.

routes/web.php:

```
20
21     Route::get('guru', [GuruController::class, 'index'])->name('guru');
22     Route::get('guru/profil/{id}', [GuruController::class, 'profil']);
23     Route::get('guru/create', [GuruController::class, 'create']);
24     Route::post('guru/insert', [GuruController::class, 'insert']);
25     Route::get('guru/edit/{id}', [GuruController::class, 'edit']);
26
```

index.blade.php:

```
48         <td>
49             <a href="/guru/profil/{{ $data->id}}" class="btn btn-success btn-sm">Detail</a>
50             <a href="/guru/edit/{{ $data->id}}>" class="btn btn-primary btn-sm">Edit</a>
```

GuruController.php:

```
70
71     public function edit($id)
72     {
73
74         $guru = Guru::find($id);
75         $data = [
76             'guru' => $this->Guru->detailData($id),
77         ];
78
79     }
80     public function delete($id)
```

File Structure:

- resources
 - css
 - js
 - lang
 - views
 - auth
 - guru
 - create.blade.php
 - edit.blade.php

Fungsi Update (Edit) Data

- Bukalah file **create.blade.php** dan copilah semua source code pada file tersebut, kemudian salin kedalam file **edit.blade.php**

The screenshot shows a code editor with the following file path: resources > views > guru > create.blade.php. The code editor displays the following PHP Blade code:

```
resources > views > guru > create.blade.php > ...
1 @extends('layouts.master')
2 @section('title', 'Tambah Data Guru')
3 @section('content')
4
5 > <div class="row">...
140 </div>
141 @endsection
142 @push('scripts')<script>
143     $(function() {
144         $('#guru-table').DataTable(
145     });
146     </script>
147 @endpush
```

A context menu is open over the line containing the opening `<div class="row">` tag (line 5). The menu items are:

- Go to Definition F12
- Go to References Shift+F12
- Peek >
- Find All References Shift+Alt+F12
- Change All Occurrences Ctrl+F2
- Format Document Shift+Alt+F
- Format Document With...
- Format Selection Ctrl+K Ctrl+F
- Cut Ctrl+X
- Copy** (highlighted with a red box)
- Paste Ctrl+V

Fungsi Update (Edit) Data

- Modifikasi file edit.blade.php tersebut sehingga sesuai dengan kebutuhan, perhatikan gambar dibawah ini

```
resources > views > guru > edit.blade.php > div.row
1  @extends('layouts.master')
2  @section('title', 'Edit Data Guru')
3  @section('content')
4
5  <div class="row">
6      <div class="col-md-6">
7          <Form action="/guru/update/{{ $guru->id }}" , method="POST" enctype="multipart/form-data">
8              @csrf
9                  <div class="form-group">
10                     <div class="input-group">
11                         <span class="input-group-addon"><i class="fa fa-user"></i></span>
12                         <input type="text" name="nama" class="form-control" placeholder="Nama" value="{{ $guru->nama}}">
13                     </div>
14                     <div class="text-danger">
15                         @error('nama')
16                             {{$message}}
17                         @enderror
18                     </div>
19                 </div>
20                 <div class="form-group">
21                     <div class="input-group">
22                         <span class="input-group-addon"><i class="fa fa-book"></i></span>
23                         <input type="text" name="nip" class="form-control" placeholder="NIP" value="{{ $guru->nip}}">
24                     </div>
25                     <div class="text-danger">
26                         @error('nip')
27                             {{$message}}
28                         @enderror
29                     </div>
30                 </div>
31                 <div class="form-group">
32                     <div class="input-group">
33                         <span class="input-group-addon"><i class="fa fa-envelope"></i></span>
34                         <input type="text" name="jabatan" class="form-control" placeholder="Jabatan" value="{{ $guru->jabatan}}">
35                     </div>
```

Fungsi Update (Edit) Data

- Modifikasilah pada **value setiap komponen form** sesuai dengan nama field tabel guru, terkecuali untuk komponen form photo yang berbeda modifikasinya. perhatikan gambar dibawah ini

```
resources > views > guru > edit.blade.php > div.row > div.col-md-6 > Form > div.form-group > div.input-group > input.form-control
118           &quot;(999 999-9999&quot;" data-mask="" value="{{ $guru->alamat}}">
119       </div>
120       <div class="text-danger">
121           @error('alamat')
122             {{$message}}
123           @enderror
124       </div>
125   </div>
126   <div class="col-sm 12">
127       <div class="col-sm 6">
128           
129       </div>
130       <div class="col-sm 6">
131           <div class="form-group">
132               <label>Photo</label>
133               <input type="file" name="photo" class="form-control" value="{{ $guru->photo}}">
134           </div>
135           <div class="text-danger">
136               @error('photo')
137                 {{$message}}
138               @enderror
139           </div>
140       </div>
141   </div>
142
143   <div>
144       <a href="/guru" class="btn btn-success btn-sm">Close</a>
145       <button class="btn btn-primary btn-sm">Save</button>
146   </div>
147 </Form>
148
149 </div>
150 </div>
151 @endsection
```

```
35          </div>
36          <div class="text-danger">
37              @error('jabatan')
38                  {{$message}}
39              @enderror
40          </div>
41      </div>
42      <div class="form-group">
43          <div class="input-group">
44              <span class="input-group-addon"><i class="fa fa-graduation-cap"></i></span>
45              <input type="text" name="pendidikan" class="form-control" placeholder="Pendidikan"
46              value="{{ $guru->pendidikan}}>
47          </div>
48          <div class="text-danger">
49              @error('pendidikan')
50                  {{$message}}
51              @enderror
52          </div>
53      </div>
54      <div class="form-group">
55          <div class="input-group">
56              <div class="input-group-addon">
57                  <i class="fa fa-bank "></i>
58              </div>
59              <input type="text" name="tempat_lahir" class="form-control" placeholder="Tempat lahir"
60              data-inputmask=""mask":
61              "(999) 999-9999" data-mask="" value="{{ $guru->tempat_lahir}}>
62          </div>
63          <div class="text-danger">
64              @error('tempat_lahir')
65                  {{$message}}
66              @enderror
67          </div>
68      </div>
```

Fungsi Update (Edit) Data

- Silahkan jalankan server dengan perintah php artisan serve., lalu akses halaman guru dan silahkan coba fungsi tombol edit data, maka halaman edit akan menampilkan data guru berdasarkan id

127.0.0.1:8000/guru/edit/1

AdminLTE

Alexander Pierce
Online

Search...

MAIN NAVIGATION

Data Siswa

Layout Options

Edit Data Guru

Name: Else Carter

Phone: 1234567

Position: Guru Mata Pelajaran

Education Level: S1

City: Jakarta

Birth Date: 06/06/1980

Religion: Islam

Address: Balistreriview

Photo:

Choose File: images.jpg

Fungsi Update (Edit) Data

- Silahkan jalankan server dengan perintah php artisan serve., lalu akses halaman guru dan silahkan coba fungsi tombol edit data, maka halaman edit akan menampilkan data guru berdasarkan id
- Selanjutnya kita akan membuat **fungsi update data pada button save**

The screenshot shows a web application interface for editing teacher data. The URL in the browser is 127.0.0.1:8000/guru/edit/1. The left sidebar has 'Data Guru' selected. The main content area is titled 'Edit Data Guru'. It contains the following fields:

- Name: Else Carter
- Phone: 1234567
- Subject: Guru Mata Pelajaran
- Degree: S1
- City: Jakarta
- Date of Birth: 06/06/1980
- Religion: Islam
- Phone: 0896557788779
- Address: Balistreriview
- Photo: A small red robot icon.
- File input: Choose File images.jpg
- Action buttons: Close and Save

Fungsi Update (Edit) Data

- Buatlah Routing baru dengan nama **guru/update/{id}** pada file **web.php**
- bukalah file model **Guru.php**, lalu buatlah sebuah fungsi **updateData**

```
routes > web.php > ...
20
21 Route::get('guru', [GuruController::class, 'index'])->name('guru');
22 Route::get('guru/profil/{id}', [GuruController::class, 'profil']);
23 Route::get('guru/create', [GuruController::class, 'create']);
24 Route::post('guru/insert', [GuruController::class, 'insert']);
25 Route::get('guru/edit/{id}', [GuruController::class, 'edit']);
26 Route::post(['guru/update/{id}', [GuruController::class, 'update']]);
27
```

```
app > Models > Guru.php > Guru
30     }
31     public function updateData($id, $data)
32     {
33         DB::table('guru')->where('id', $id)->update($data);
34     }
35 }
```

Fungsi Update (Edit) Data

- pada file **GuruController**, buatlah sebuah fungsi **updateData** dimana fungsi akan mengupdate semua data guru kecuali id guru

```
app > Http > Controllers > GuruController.php > GuruController > update
77     ];
78     return view('guru.edit', ['guru' => $guru, 'data' => $data]);
79 }
80 public function update($id)
81 {
82     //fungsi validasi data input
83     Request()->validate([
84         'nama' => 'required|alpha|min:4',
85         'nip' => 'required|int|min:7',
86         'jabatan' => 'required',
87         'pendidikan' => 'required',
88         'tempat_lahir' => 'required',
89         'tanggal_lahir' => 'required',
90         'agama' => 'required',
91         'telp' => 'required|alpha-num|min:11',
92         'photo' => 'mimes:jpg,jpeg,png|max:512',
93     ]);
94     if (Request()->photo <> "") {
95         $file = Request()->photo;
96         $fileName = Request()->nama . '.' . $file->extension();
97         $file->move(public_path('images'), $fileName);
98
99         $data = [
100             'nama' => Request()->nama,
101             'nip' => Request()->nip,
102             'jabatan' => Request()->jabatan,
103             'pendidikan' => Request()->pendidikan,
104             'tempat_lahir' => Request()->tempat_lahir,
105             'tanggal_lahir' => Request()->tanggal_lahir,
106             'agama' => Request()->agama,
107             'telp' => Request()->telp,
108             'alamat' => Request()->alamat,
109             'photo' => $fileName,
110         ];
111         $this->Guru->updateData($id, $data);
112     } else {
113         $data = [
114             'nama' => Request()->nama,
115             'nip' => Request()->nip,
116             'jabatan' => Request()->jabatan,
117             'pendidikan' => Request()->pendidikan,
118             'tempat_lahir' => Request()->tempat_lahir,
119             'tanggal_lahir' => Request()->tanggal_lahir,
120             'agama' => Request()->agama,
121             'telp' => Request()->telp,
122             'alamat' => Request()->alamat,
123         ];
124         $this->Guru->updateData($id, $data);
125     }
126     return redirect()->route('guru')->with('pesan', 'Data Berhasil di update');
127 }
```

Fungsi Update (Edit) Data

- Silahkan akses halaman guru dan **lakukan edit data guru kemudian save data**, kemudian perhatikan apakah fungsi update sudah berfungsi dengan baik

The screenshot shows a web browser window with the URL 127.0.0.1:8000/guru. The page title is "Data Guru". A green success message box displays "Success" and "Data Berhasil di update.". Below the message is a table titled "Data guru" with 11 rows of teacher data. The columns are labeled: No, Nama, NIP, Jabatan, Pendidikan, and Aksi. Each row contains a set of buttons for Detail, Edit, and Delete.

No	Nama	NIP	Jabatan	Pendidikan	Aksi
1	Elyanah	20102324	Guru Mata Pelajaran	S1	<button>Detail</button> <button>Edit</button> <button>Delete</button>
2	Jayden Thiel	1234567	Guru Mata Pelajaran	S1	<button>Detail</button> <button>Edit</button> <button>Delete</button>
3	Wilmer Will	1234567	Guru Mata Pelajaran	S1	<button>Detail</button> <button>Edit</button> <button>Delete</button>
4	Mr. Bradly Schroeder	1234567	Guru Mata Pelajaran	S1	<button>Detail</button> <button>Edit</button> <button>Delete</button>
5	Dr. Michaela Braun	1234567	Wali Kelas	S1	<button>Detail</button> <button>Edit</button> <button>Delete</button>
6	Miss Maya King	1234567	Wali Kelas	S1	<button>Detail</button> <button>Edit</button> <button>Delete</button>
7	Prof. Trudie Gleason DDS	1234567	Kepala Sekolah	S2	<button>Detail</button> <button>Edit</button> <button>Delete</button>
8	Dr. Irma Bogisich III	1234567	Wakil Kepsek	S1	<button>Detail</button> <button>Edit</button> <button>Delete</button>
9	Guillermo Gutmann	1234567	PKS	S1	<button>Detail</button> <button>Edit</button> <button>Delete</button>
10	Prof. Max Wolf	1234567	PKS	S1	<button>Detail</button> <button>Edit</button> <button>Delete</button>
11	kanaya	23456716	Guru Wali	S1	<button>Detail</button> <button>Edit</button> <button>Delete</button>

Fungsi Delete Data

- Buka file **index.blade.php**, kemudian ubahlah pada bagian **text anchor delete** menjadi button
- Masih pada file **index.blade.php**, tambahkan sourcecode **form modal dialog** tepat dibagian **@endsection**. Perhatikan gambar disamping

```
resources > views > guru > index.blade.php > div#delete{{ $data->id }}.modal.modal-danger.fade > div.modal-dialog.modal-sm > div.modal-content > div.modal-footer
33   <tr>
34     <td>{{ $no }}</td>
35     <td>{{ $data->nama }}</td>
36     <td>{{ $data->nip }}</td>
37     <td>{{ $data->jabatan }}</td>
38     <td>{{ $data->pendidikan }}</td>
39
40     <td>
41       <a href="/guru/profil/{{ $data->id }}" class="btn btn-success btn-sm">Detail</a>
42       <a href="#" class="btn btn-primary btn-sm">Edit</a>
43       <button type="button" class="btn btn-danger" data-toggle="modal" data-target="#delete{{ $data->id }}>Delete</button>
44     </td>

resources > views > guru > index.blade.php ...
55 </div>
56 <!-- modal dialog hapus -->
57 @foreach($guru as $data)
58 <div class="modal modal-danger fade" id="delete{{ $data->id }}">
59   <div class="modal-dialog modal-sm">
60     <div class="modal-content">
61       <div class="modal-header">
62         <button type="button" class="close" data-dismiss="modal" aria-label="Close">
63           <span aria-hidden="true">&times;</span>
64         <h4 class="modal-title">Form Konfirmasi</h4>
65       </div>
66       <div class="modal-body">
67         <p>Anda Yakin Ingin Menghapus DATA GURU yang bernama {{ $data->nama }};</p>
68       </div>
69       <div class="modal-footer">
70         <button type="button" class="btn btn-outline pull-left" data-dismiss="modal">Batal</button>
71         <a href="/guru/delete/{{ $data->id }}" class="btn btn-outline">Hapus</a>
72       </div>
73     </div>
74   </div>
75 @endforeach
76
77
78 @endsection
```

Fungsi Delete Data

- Buatlah routing baru di file **web.php** dengan nama **guru/delete/{id}**
- Buka file **GuruController.php**, kemudian buatlah **fungsi delete** dengan parameter id

The image shows two screenshots of a code editor. The top screenshot displays the `routes/web.php` file with the following code:

```
routes > web.php > ...
23
24 Route::get('guru/delete/{id}', [GuruController::class, 'delete']);
25
26
```

The line `Route::get('guru/delete/{id}', [GuruController::class, 'delete']);` is highlighted with a red box.

The bottom screenshot shows the `GuruController.php` file in the `Http\Controllers` directory. The `delete` method is highlighted with a red box:

```
app > Http > Controllers > GuruController.php > GuruController > insert
129     public function delete($id)
130     {
131         $guru = Guru::findOrFail($id);
132         if ($guru->photo <> "") {
133             unlink(public_path('images') . '/' . $guru->photo);
134         }
135         $guru->delete();
136         return redirect()->route('guru')->with('pesan', 'Data Berhasil Dihapus...!');
137     }
```

Menampilkan Delete Data

- Silahkan jalankan server dengan perintah php artisan serve., dan silahkan coba jalankan fungsi delete

