

# **LAPORAN JOOBSHEET 9**

**(Pengantar dan Instalasi Laravel)**

**Disusun sebagai**

**MATA KULIAH :**

**Pemrograman Web Lanjut**



**TI-2B**

**OLEH**

**WILDAN DAWAM BASH (1841720166)**

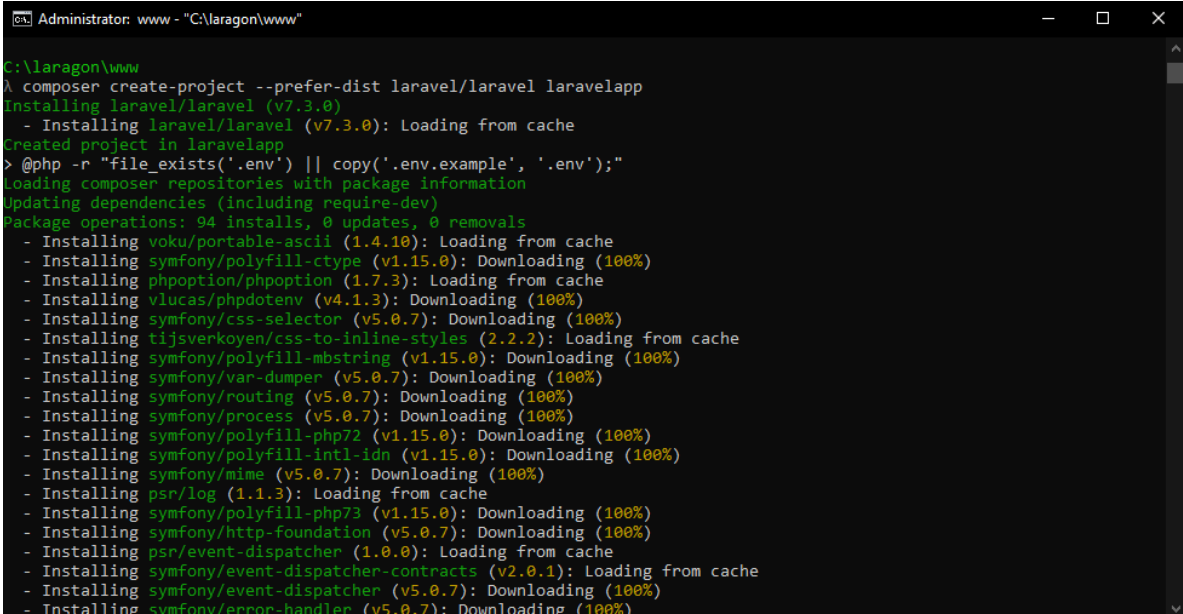
**PROGAM STUDI D-IV TEKNIK INFORMATIKA**

**JURUSAN TEKNOLOGI INFORMASI**

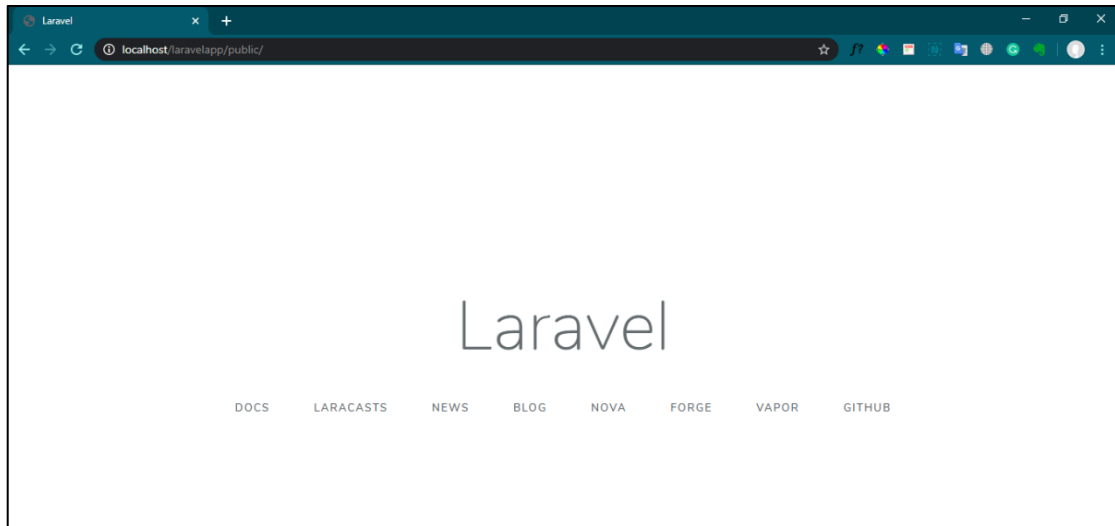
**POLITEKNIK NEGERI MALANG**

**2020**

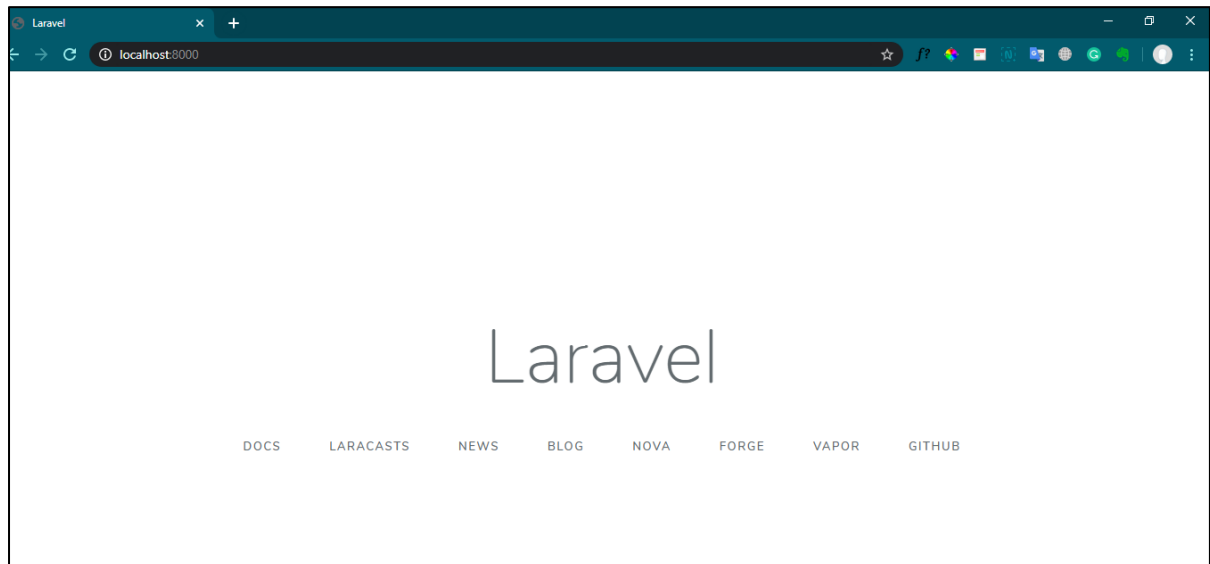
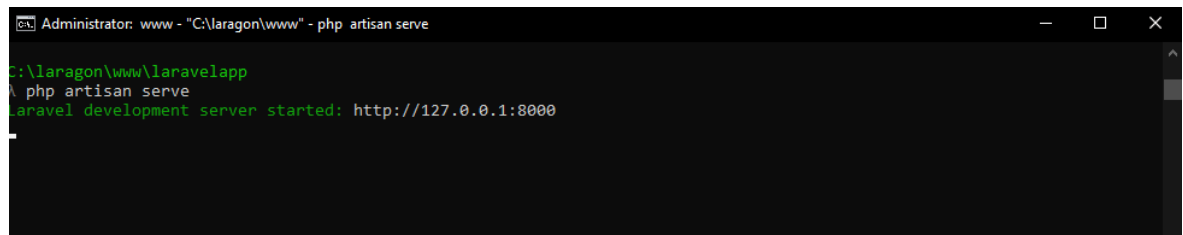
## Bagian 1 – Instalasi Laravel di Windows

No	Keterangan
1	<p>Pastikan sudah menginstall composer, jika belum silahkan unduh composer melalui <a href="https://getcomposer.org/">https://getcomposer.org/</a>, pilih Download untuk memulai proses unduh.</p> <p>Jika composer berhasil diinstall akan terlihat seperti ini jika melakukan perintah composer di command prompt</p>  <pre>Administrator: www - "C:\laragon\www" C:\laragon\www A composer  Composer version 1.8.6 2019-06-11 15:03:05  Usage:   command [options] [arguments]  Options:   -h, --help                Display this help message   -q, --quiet               Do not output any message   -V, --version             Display this application version   --ansi                   Force ANSI output   --no-ansi                Disable ANSI output   -n, --no-interaction      Do not ask any interactive question   --profile                Display timing and memory usage information   --no-plugins              Whether to disable plugins.   -d, --working-dir=WORKING-DIR If specified, use the given directory as working directory.   -v vv vvv, --verbose     Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug  Available commands:   about      Shows the short information about Composer.   archive    Creates an archive of this composer package.</pre>
2	<p>Kemudian install laravel dengan mengetikkan perintah berikut pada command prompt</p> <p style="text-align: center;"><b>Composer create-project --prefer-dist laravel/laravel laravelapp</b></p> <p>Tampilan ketika proses menginstall laravel</p>  <pre>Administrator: www - "C:\laragon\www" C:\laragon\www A composer create-project --prefer-dist laravel/laravel laravelapp Installing laravel/laravel (v7.3.0) - Installing laravel/laravel (v7.3.0): Loading from cache Created project in laravelapp &gt; @php -r "file_exists('.env')    copy('.env.example', '.env');" Loading composer repositories with package information Updating dependencies (including require-dev) Package operations: 94 installs, 0 updates, 0 removals - Installing voku/portable-ascii (1.4.10): Loading from cache - Installing symfony/polyfill-ctype (v1.15.0): Downloading (100%) - Installing phpoption/phpoption (1.7.3): Loading from cache - Installing vlucas/phpdotenv (v4.1.3): Downloading (100%) - Installing symfony/css-selector (v5.0.7): Downloading (100%) - Installing tijsverkoyen/css-to-inline-styles (2.2.2): Loading from cache - Installing symfony/polyfill-mbstring (v1.15.0): Downloading (100%) - Installing symfony/var-dumper (v5.0.7): Downloading (100%) - Installing symfony/routing (v5.0.7): Downloading (100%) - Installing symfony/process (v5.0.7): Downloading (100%) - Installing symfony/polyfill-php72 (v1.15.0): Downloading (100%) - Installing symfony/polyfill-intl-idn (v1.15.0): Downloading (100%) - Installing symfony/mime (v5.0.7): Downloading (100%) - Installing psr/log (1.1.3): Loading from cache - Installing symfony/polyfill-php73 (v1.15.0): Downloading (100%) - Installing symfony/http-foundation (v5.0.7): Downloading (100%) - Installing psr/event-dispatcher (1.0.0): Loading from cache - Installing symfony/event-dispatcher-contracts (v2.0.1): Loading from cache - Installing symfony/event-dispatcher (v5.0.7): Downloading (100%) - Installing symfony/error-handler (v5.0.7): Downloading (100%)</pre>

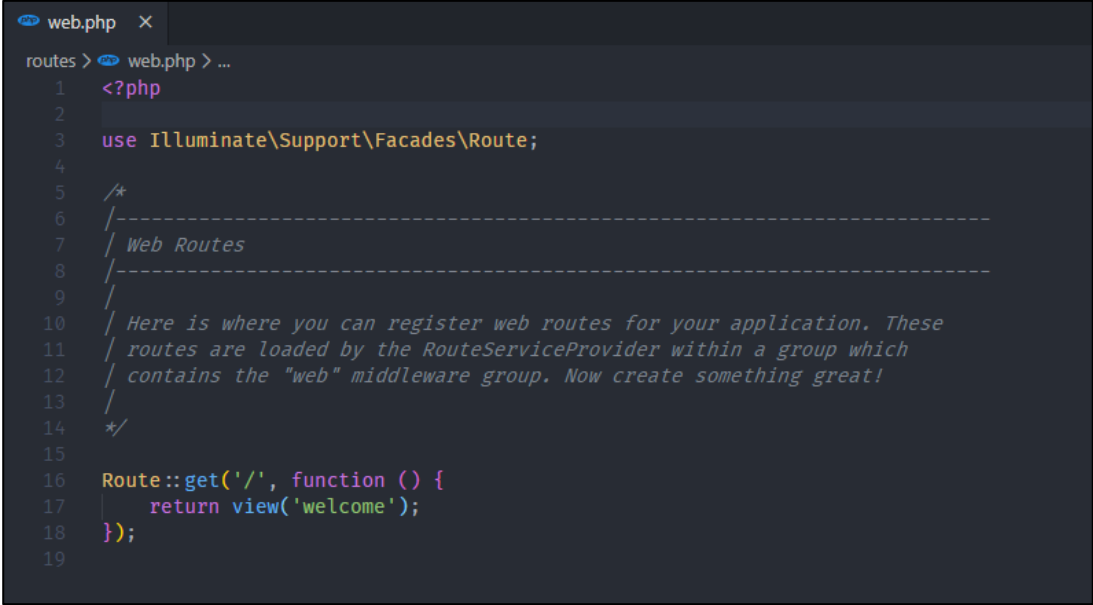
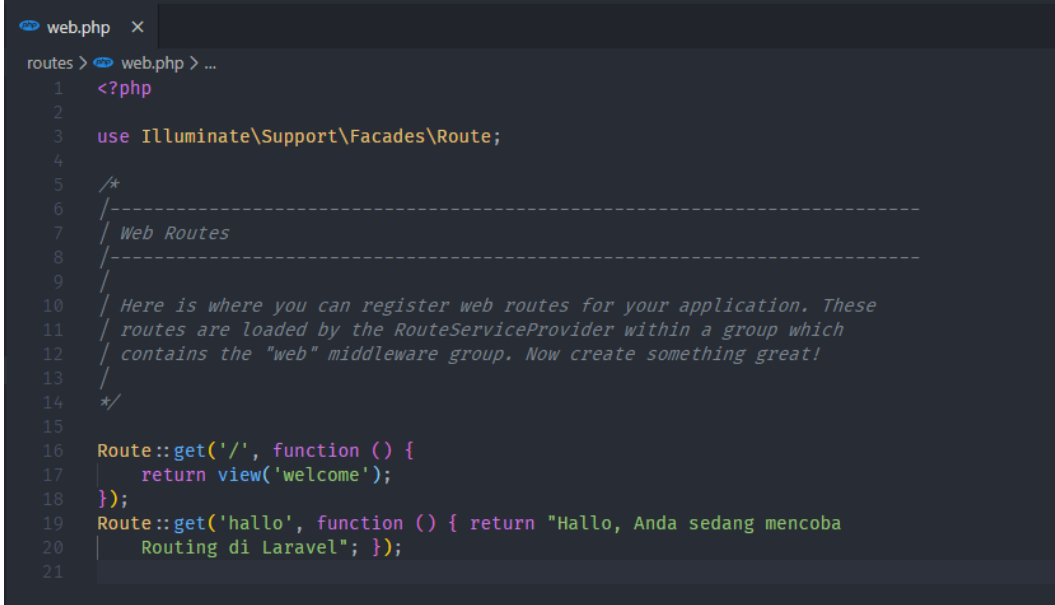
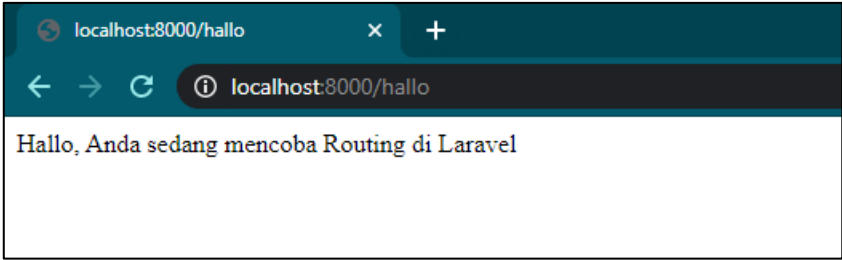
- 3 Aktifkan web server dan ketik alamat <http://localhost/laravellapp/public> pada browser



Laravel bisa dijalankan di folder manapun dengan menggunakan perintah **php artisan serve** pada command prompt



## Bagian 2 – Mengenal bagian dan membuat route

No	Keterangan
1	<p>Melakukan perintah route untuk menampilkan halaman default Laravel yang terletak pada <b>laravelapp/routes/web.php</b></p>  <pre>web.php x routes &gt; web.php &gt; ... 1  &lt;?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</pre>
2	<p>Route juga dapat mengembalikan response berupa string atau teks biasa. Tambahkan isinya dengan script di bawah ini pada <b>laravelapp/routes/web.php</b></p> <p><b>Route::get('hallo', function () { return "Hallo, Anda sedang mencoba Routing di Laravel"; });</b></p> <p>Untuk Melihat hasilnya, ketikkan alamat <a href="http://localhost:8000/hallo">http://localhost:8000/hallo</a> pada browser</p>  <pre>web.php x routes &gt; web.php &gt; ... 1  &lt;?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('hallo', function () { return "Hallo, Anda sedang mencoba 20      Routing di Laravel"; }); 21</pre>  <pre>localhost:8000/hallo x + &lt; &gt; ↻ ⓘ localhost:8000/hallo Hallo, Anda sedang mencoba Routing di Laravel</pre>

- 3 Membuat route baru dengan menampilkan halaman view. Tambahkan route baru untuk halaman “profil” dengan menambahkan script berikut :

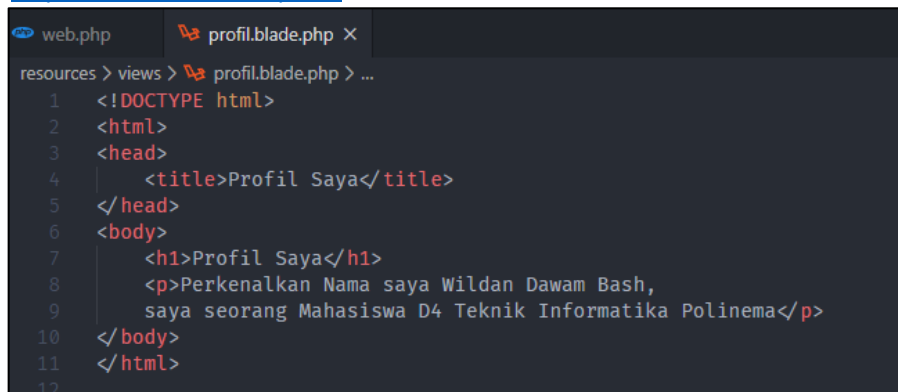
**Route::get('profil', function () { return view('profil'); });**

Buat file baru bernama profil.blade.php di dalam folder laravelapp\resources\views\, ketikkan script berikut ini:

```
<!DOCTYPE html>
<html>
<head>
    <title>Profil Saya</title>
</head>
<body>
    <h1>Profil Saya</h1>
    <p>Perkenalkan Nama saya nama_saya, saya seorang .....</p>
</body>
</html>
```

Tuliskan profil kalian masing-masing. Untuk menampilkan hasilnya, ketikkan alamat

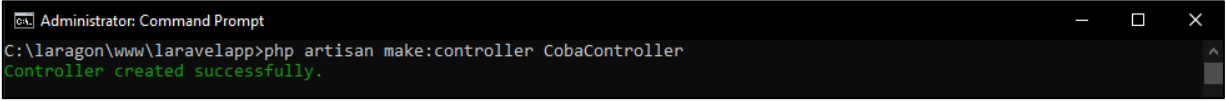
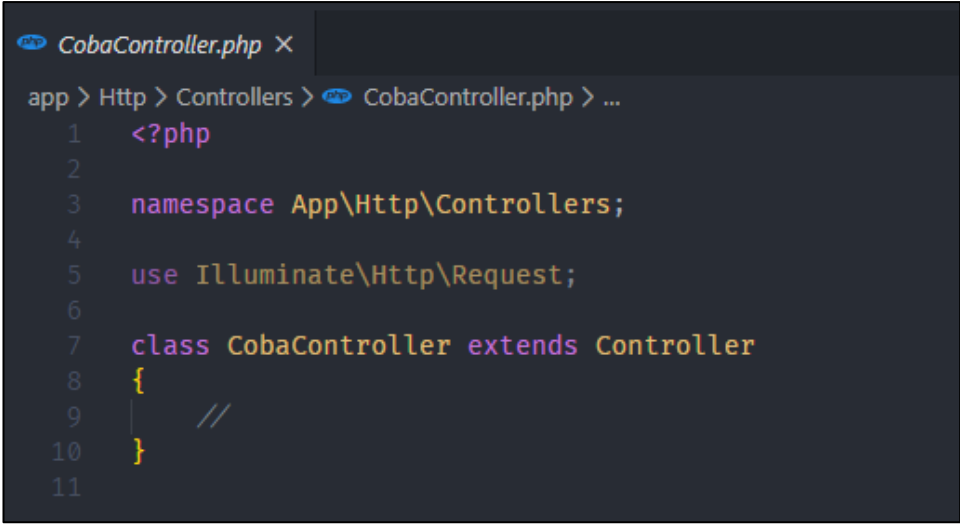
<http://localhost:8000/profil>



```
web.php  profil.blade.php x
resources > views > profil.blade.php > ...
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Profil Saya</title>
5  </head>
6  <body>
7      <h1>Profil Saya</h1>
8      <p>Perkenalkan Nama saya Wildan Dawam Bash,
9      saya seorang Mahasiswa D4 Teknik Informatika Polinema</p>
10 </body>
11 </html>
12
```



### Bagian 3 – Cara Menggunakan Controller pada Framework Laravel

No	Keterangan
1	<p>Buatlah controller dengan nama CobaController dengan menuliskan di command prompt / terminal</p> <p><b>php artisan make:controller CobaController</b></p> <p>Maka akan terbentuk sebuah file dengan nama <b>CobaController.php</b> pada folder <b>laravelapp/app/Http/Controller/</b></p>  
2	<p>Ubah route halaman 'profil' pada praktikum sebelumnya menjadi seperti berikut</p> <p><b>Route::get('profil', 'CobaController@profil');</b></p> <p>Langkah selanjutnya, tambahkan fungsi / method profil() pada class CobaController seperti berikut ini:</p> <pre>&lt;?php namespace App\Http\Controllers; use Illuminate\Http\Request;  class CobaController extends Controller {     public function profil()     {         return view('profil');     } }</pre> <p>Ketikkan alamat <a href="http://localhost:8000/profil">http://localhost:8000/profil</a>, dan Kita akan mendapatkan hasil yang sama seperti pada latihan sebelumnya.</p>

```

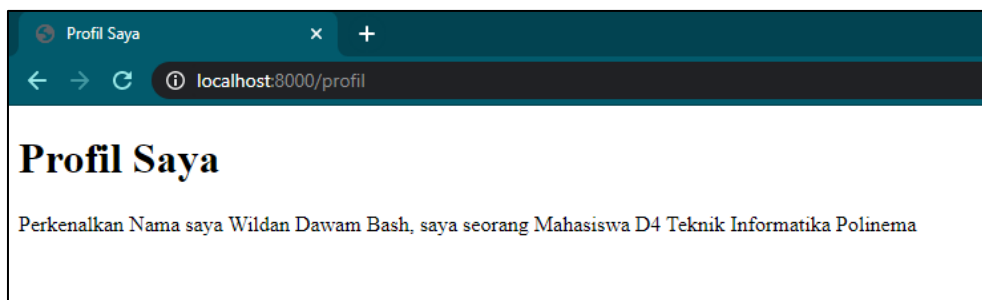
web.php x
routes > web.php > ...
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4
5  /*
6  /-----
7  / Web Routes
8  /-----
9  /
10 / Here is where you can register web routes for your application. These
11 / routes are loaded by the RouteServiceProvider within a group which
12 / contains the "web"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

```

```

web.php  CobaController.php x
app > Http > Controllers > CobaController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class CobaController extends Controller
8  {
9      public function profil(){
10         return view('profil');
11     }
12 }

```



## Bagian 4 – Memberikan Data Controller kepada view

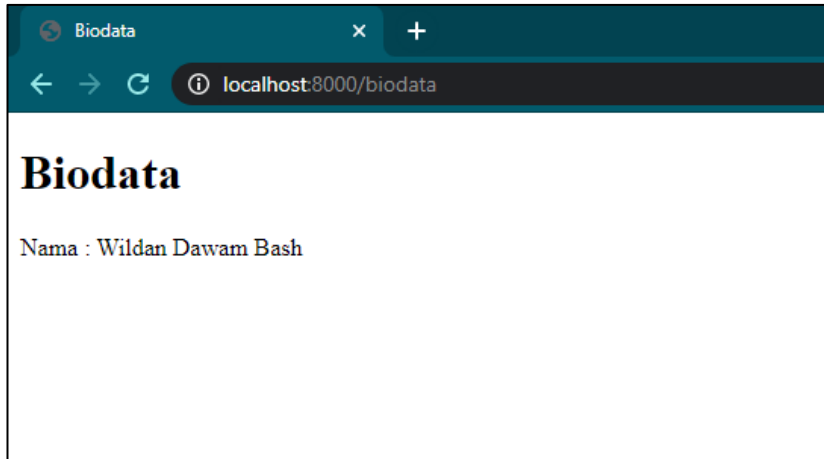
No	Keterangan
1	<p>Buat route baru untuk halaman biodata</p> <pre>Route::get('biodata', 'BiodataController@index');</pre> <p>Buat controller baru dengan nama BiodataController.php</p> <pre>php artisan make:controller BiodataController</pre> <p>Ketikkan script berikut dengan memberikan method / fungsi index pada <b>laravelapp\app\Http\Controllers\BiodataController.php</b></p> <pre>&lt;?php     namespace App\Http\Controllers;     use Illuminate\Http\Request;     class BiodataController extends Controller     {         public function index() {             \$nama = 'Sugono Galih Aprianto'; //ubah dengan nama kalian             return view('biodata' , ['nama' =&gt; \$nama]);         }     }</pre>  <pre>1  &lt;?php 2 3  namespace App\Http\Controllers; 4 5  use Illuminate\Http\Request; 6 7  class BiodataController extends Controller 8  { 9      public function index() { 10         \$nama = 'Wildan Dawam Bash'; 11         return view('biodata' , ['nama' =&gt; \$nama]); 12     } 13 } 14</pre>
2	<p>Buat file view dengan nama <b>biodata.blade.php</b> pada <b>laravelapp\resources\views\</b></p> <pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;     &lt;title&gt;Biodata&lt;/title&gt; &lt;/head&gt; &lt;body&gt;     &lt;h1&gt;Biodata&lt;/h1&gt;     &lt;p&gt;Nama : {{ \$nama }}&lt;/p&gt; &lt;/body&gt; &lt;/html&gt;</pre> <p>Untuk melihat hasilnya, pada browser, ketik alamat <a href="http://localhost:8000/biodata">http://localhost:8000/biodata</a> .</p>



```

biodata.blade.php x
resources > views > biodata.blade.php > ...
1 <!DOCTYPE html>
2 <html>
3
4 <head>
5   <title>Biodata</title>
6 </head>
7
8 <body>
9   <h1>Biodata</h1>
10  <p>Nama : {{ $nama }}</p>
11 </body>
12
13 </html>
14

```



## Bagian 5 – Memberikan Data Array Kepada view

No	Keterangan
1	<p>Pada bagian ini, Kita coba untuk memberikan data array kepada view. Tambahkan variabel data array pada <b>BiodataController.php</b></p> <pre> &lt;?php     namespace App\Http\Controllers;     use Illuminate\Http\Request;      class BiodataController extends Controller     {         public function index() {             \$nama = 'Wildan Dawam Bash'; //ubah dengan nama kalian             \$materi = ["Web Design", "Web Programming", "Digital Marketing", "Graphic Design"];             return view('biodata', ['nama' =&gt; \$nama, 'materi' =&gt; \$materi]);         }     } </pre>

```

biodata.blade.php  BiodataController.php X
app > Http > Controllers > BiodataController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class BiodataController extends Controller
8  {
9      public function index() {
10         $nama = 'Wildan Dawam Bash';
11         $materi = ["Web Design", "Web Programming", "Digital Marketing", "Graphic Design"];
12         return view('biodata', ['nama' => $nama, 'materi' => $materi]);
13     }
14 }
15

```

2 Tambahkan isi file view biodata.blade.php menjadi seperti berikut:

```

<!DOCTYPE html>
<html>
<head>
    <title>Biodata</title>
</head>
<body>
    <h1>Biodata</h1>
    <p>Nama : {{ $nama }}</p>
    <p>Materi Mengajar</p>
    <ul>
        @foreach($materi as $datamateri)
            <li>{{ $datamateri }}</li>
        @endforeach
    </ul>
</body>
</html>

```

Untuk melihat hasilnya, pada browser, ketik alamat <http://localhost:8000/biodata> .

```

biodata.blade.php X  BiodataController.php
resources > views > biodata.blade.php > ...
1  <!DOCTYPE html>
2  <html>
3
4  <head>
5      <title>Biodata</title>
6  </head>
7
8  <body>
9      <h1>Biodata</h1>
10     <p>Nama : {{ $nama }}</p>
11     <p>Materi Mengajar</p>
12     <ul>
13         @foreach($materi as $datamateri)
14             <li>{{ $datamateri }}</li>
15         @endforeach
16     </ul>
17 </body>
18
19 </html>

```

