

Laravel

PHP Framework



Routing, Controller, View

Pada Laravel, framework PHP berbasis MVC (Model-View-Controller), terdapat tiga komponen penting yang saling berhubungan: Routing, Controller, dan View. Pada chapter ini adalah pembahasan membuat halaman **Home** dan **About**.

1. Running Project

Seperti biasa running project lakukan diawal terlebih dahulu dengan perintah **php artisan serve** pada Terminal/Command Prompt.

```
belajarlaravel — php - php artisan serve — 80x24
Last login: Mon Oct  7 20:44:44 on console
[macbookpro@MacBooks-MacBook-Pro ~ % cd Documents/Projects/belajarlaravel
[macbookpro@MacBooks-MacBook-Pro belajarlaravel % php artisan serve
Starting Laravel development server: http://127.0.0.1:8000
[Mon Oct  7 22:01:01 2024] PHP 7.4.27 Development Server (http://127.0.0.1:8000)
started
[Mon Oct  7 22:34:04 2024] 127.0.0.1:56089 Accepted
[Mon Oct  7 22:34:05 2024] 127.0.0.1:56089 Closing
[Mon Oct  7 22:34:06 2024] 127.0.0.1:56107 Accepted
[Mon Oct  7 22:34:06 2024] 127.0.0.1:56107 [200]: GET /favicon.ico
[Mon Oct  7 22:34:06 2024] 127.0.0.1:56107 Closing
```

2. Halaman Utama

Buka browser, ketik url <http://127.0.0.1:8000>

The screenshot shows a dark-themed web browser window. The address bar displays "127.0.0.1:8000". The main content area shows the Laravel homepage. At the top left is the red Laravel logo. Below it are four cards:

- Documentation**: A brief introduction to the Laravel framework.
- Laracasts**: A link to video tutorials.
- Laravel News**: A community-driven portal for news in the Laravel ecosystem.
- Vibrant Ecosystem**: Information about Laravel's robust library of tools and libraries.

At the bottom of the page are links for "Shop" and "Sponsor", and the text "Laravel v8.83.27 (PHP v7.4.27)".



3. Route Halaman Home

Buka folder routes dan file **web.php** pada struktur folder Laravel. Kemudian ketik kode seperti *screenshot* dibawah.

```
<?php  
use Illuminate\Support\Facades\Route;  
use App\Http\Controllers\HomeController;  
  
Route::get('/', [HomeController::class, 'index']);
```

4. Controller Home

Buat file **HomeController.php** di dalam folder app, Http, Controllers, lalu ketik kode seperti dibawah.

```
<?php  
namespace App\Http\Controllers;  
  
use Illuminate\Http\Request;  
  
class HomeController extends Controller  
{  
    public function index()  
    {  
        return view('home');  
    }  
}
```

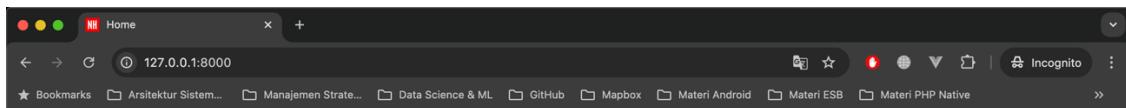
5. View Home

Di dalam folder resources, views, buat file **home.blade.php** dan ketik kode seperti berikut.

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
    <meta charset="UTF-8">  
    <meta name="viewport" content="width=device-width, initial-scale=1.0">  
    <meta http-equiv="X-UA-Compatible" content="ie=edge">  
    <title>Home</title>  
</head>  
<body>  
    <h1>Halaman Home</h1>  
</body>  
</html>
```

6. Cek Kembali Halaman Home

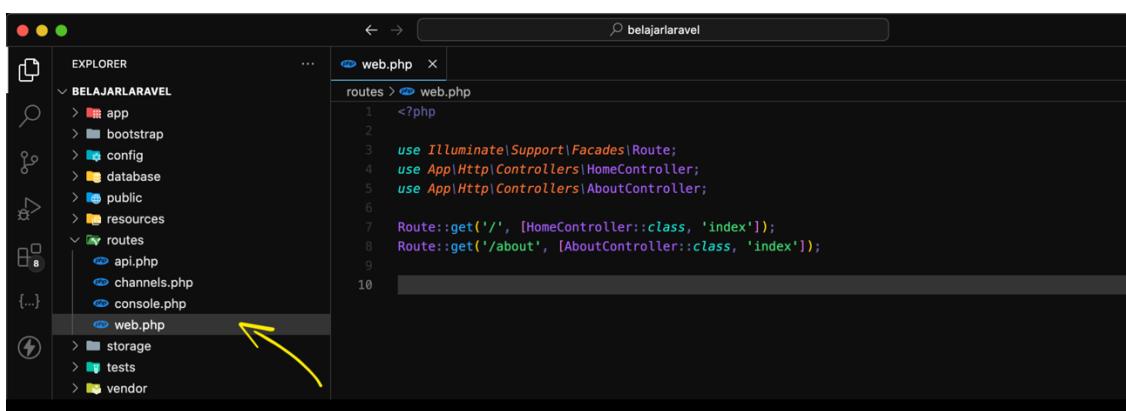
Buka kembali url `http://127.0.0.1:8000/` yang dijadikan sebagai halaman utama.



Halaman Home

7. Route Halaman About

Lanjutkan dengan menambahkan route Halaman About. Tambahkan kode seperti berikut. Prosesnya sama dengan membuat route Halaman Home.



```
use Illuminate\Support\Facades\Route;
use App\Http\Controllers\HomeController;
use App\Http\Controllers\AboutController;

Route::get('/', [HomeController::class, 'index']);
Route::get('/about', [AboutController::class, 'index']);
```



8. Controller About

Buat file **AboutController.php** di dalam folder app, Http, Controllers, lalu ketik kode seperti dibawah.

```
<?php  
namespace App\Http\Controllers;  
  
use Illuminate\Http\Request;  
  
class AboutController extends Controller  
{  
    public function index()  
    {  
        return view('about');  
    }  
}  
?>
```

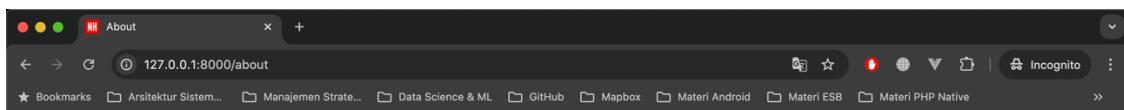
9. View About

Di dalam folder resources, views, buat file **about.blade.php** dan ketik kode seperti berikut.

```
<!DOCTYPE html>  
<html lang="en">  
    <head>  
        <meta charset="UTF-8">  
        <meta name="viewport" content="width=device-width, initial-scale=1.0">  
        <meta http-equiv="X-UA-Compatible" content="ie=edge">  
        <title>About</title>  
    </head>  
    <body>  
        <h1>Halaman About</h1>  
    </body>  
</html>
```

10. Cek Halaman About

Buka kembali url <http://127.0.0.1:8000/about> yang dijadikan sebagai halaman about.



Halaman About