




Mata Kuliah : Pemrograman Web Lanjut (PWL)
Program Studi : D4 – Sistem Informasi Bisnis
Semester : 5

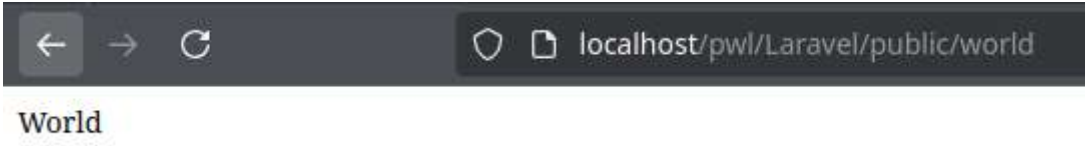
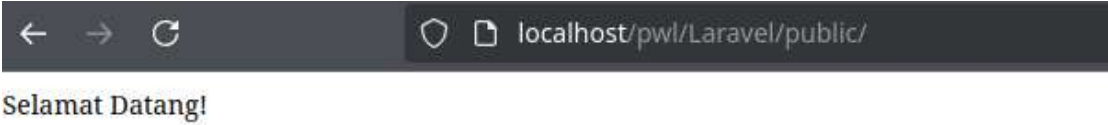
Kelas : SIB
NIM : 2241760046
Nama : Muhammad Naufal Assyauqi Ardyawan
Jobsheet Ke- : 2

Laporan Jobsheet

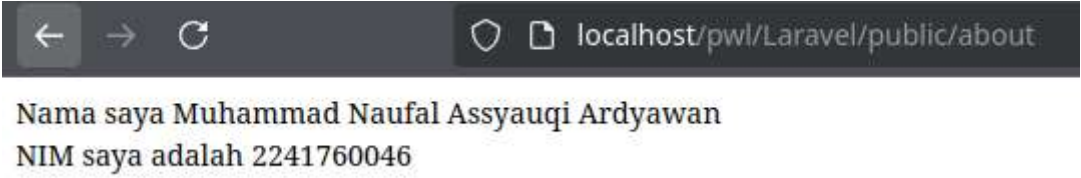
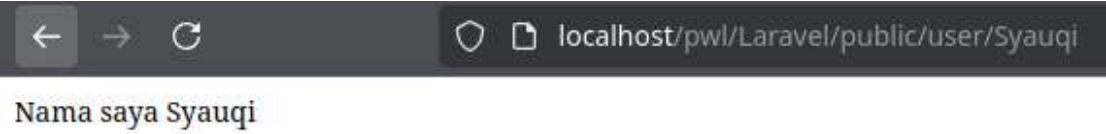
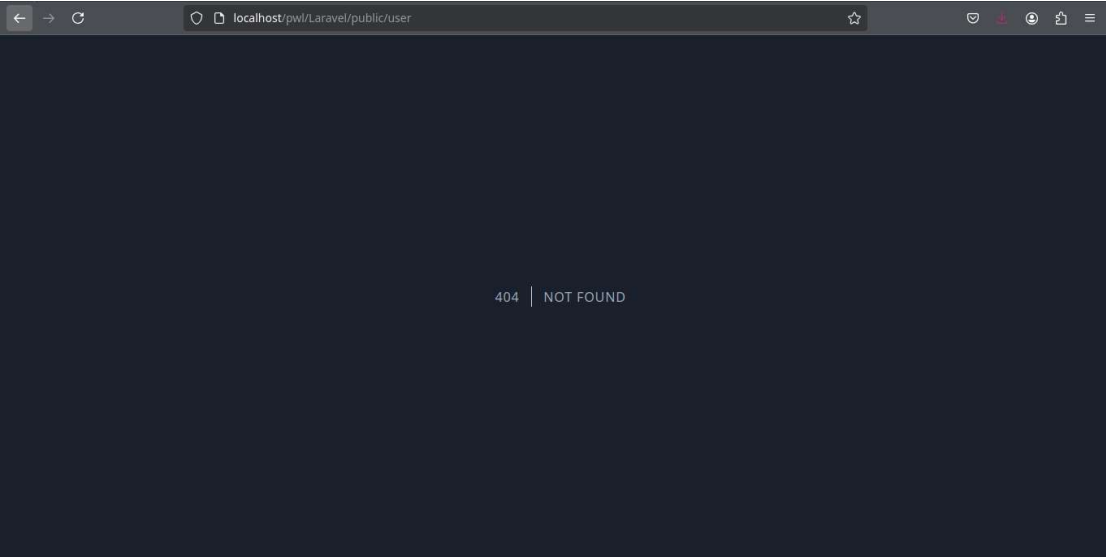
Praktikum Ke-1

Langkah	Jawaban/Deskripsi												
1	Akan melakukan pembuatan dua route sebagai berikut: <table><tr><th>No</th><th>Http Verb</th><th>Url</th><th>Fungsi</th></tr><tr><td>1</td><td>get</td><td>/hello</td><td>Tampilkan String Hello ke browser.</td></tr><tr><td>2</td><td>get</td><td>/world</td><td>Tampilkan String World ke browser</td></tr></table>	No	Http Verb	Url	Fungsi	1	get	/hello	Tampilkan String Hello ke browser.	2	get	/world	Tampilkan String World ke browser
No	Http Verb	Url	Fungsi										
1	get	/hello	Tampilkan String Hello ke browser.										
2	get	/world	Tampilkan String World ke browser										
2	Buka file routes/web.php, tambahkan route sebagai berikut. Route::get('/hello', function() { return 'Hello, world!'; }))												
3	Buka browser, tuliskan URL untuk memanggil route tersebut: localhost/pwl/Laravel/public/hello.  Hello World Tampilan teks yang muncul sesuai dengan yang dibuat pada route.												
4	Tambahkan route kedua,												

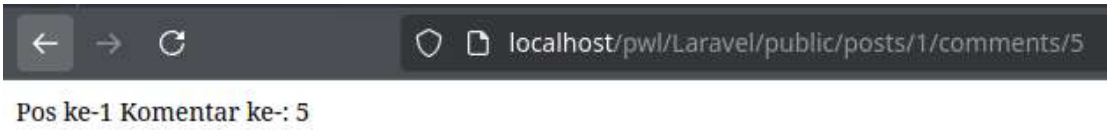


	<pre>Route::get('/world', function() { return 'world'; });</pre>
5	<p>Memanggil route world dengan url “localhost/pwl/Laravel/public/world”</p>  <p>Teks muncul sesuai dengan yang ditulis pada route.</p>
6	<p>Route “/” yang menampilkan pesan “Selamat Datang”</p> <p>Kode:</p> <pre>Route::get('/', function () { return 'Selamat Datang!'; });</pre> <p>Output:</p> 
7	<p>Route “/about” untuk menampilkan nama dan NIM:</p> <p>Kode:</p> <pre>Route::get('/about', function() { return 'Nama saya Muhammad Naufal Assyauqi Ardyawan
 NIM saya adalah 2241760046'; });</pre>

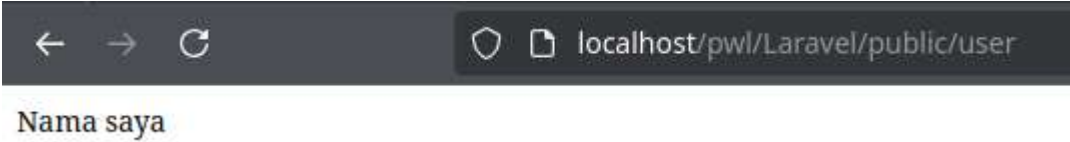
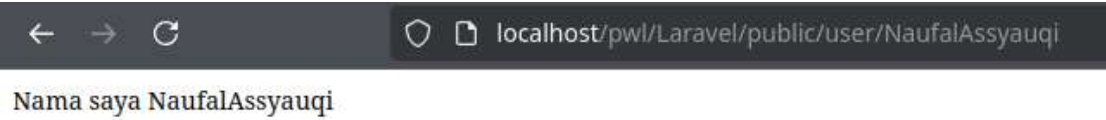
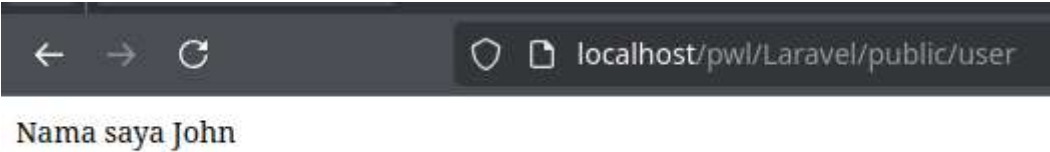


	<p>Output:</p> 
8	<p>Memanggil Route “/user/{name}” sekaligus mengirim parameter berupa nama.</p> <pre>Route::get('/user/{name}', function(\$name) { return 'Nama saya ' . \$name; });</pre>
9	<p>Memanggil URL di browser</p>  <p>Muncul teks “Nama saya” dan nama yang ditulis pada url digunakan sebagai parameter</p>
10	<p>Memanggil url “localhost/PWL_2024/public/user/”</p>  <p>Tidak ditemukan karena tidak ada route bernama “/user”</p>



11	<p>Membuat route dengan lebih dari 1 parameter:</p> <pre>Route::get('/posts/{post}/comments/{comment}', function(\$postId, \$commentId) { return 'Pos ke-' . \$postId . " Komentar ke-: " . \$commentId; });</pre>
12	<p>Memanggil URL /localhost/pwl/Laravel/public/posts/1/comments/5:</p>  <p>Muncul teks pos dan komentar, dan nilai parameter yang diisi pada URL.</p>
13	<p>Membuat route /article/{id}</p> <p>Kode:</p> <pre>Route::get('/article/{id}', function (\$id) { return 'Halaman artikel dengan ID ' . \$id; });</pre> <p>Output:</p> 
14	<p>Membuat route “/user/name” dengan parameter opsional</p> <p>Kode:</p> <pre>Route::get('/user/{name?}', function(\$name=null) { return 'Nama saya ' . \$name; });</pre>
15	<p>Akses URL localhost/pwl/Laravel/public/user/</p>



	 <p>Muncul teks “Nama saya” saja karena tidak ada nama yang dikirim sebagai parameter pada URL</p>
16	<p>Akses URL “localhost/pwl/Laravel/public/user/NaufalAssyauqi”</p>  <p>Nama yang diisikan pada URL muncul setelah teks “Nama saya”</p>
17	<p>Modifikasi Kode route /user/name</p> <pre>Route::get('/user/{name?}', function(\$name='John') { return 'Nama saya ' . \$name; });</pre>
18	<p>Akses URL localhost/pwl/Laravel/public/user/</p>  <p>Muncul nama “John” sebagai nilai default karena parameter “name” bernilai null.</p>

Praktikum Ke-2



Langkah	Jawaban/Deskripsi
1	Membuat controller baru dengan command <pre>kay@debian:~/college/pwl/Laravel\$ php artisan make:controller WelcomeController</pre> <pre>INFO Controller [app/Http/Controllers/WelcomeController.php] created successfully.</pre>
2	Akses file WelcomeController.php Kode: <pre><?php namespace App\Http\Controllers; use Illuminate\Http\Request; class WelcomeController extends Controller { // }</pre>
3	Modifikasi WelcomeController.php Kode: <pre><?php namespace App\Http\Controllers; use Illuminate\Http\Request; class WelcomeController extends Controller { public function hello() { return 'Hello, World!'; } }</pre>
4	Modifikasi route /hello



	<p>Kode:</p> <pre>Route::get('/hello', [WelcomeController::class, 'hello']);</pre>
5	<p>Akses URL http://localhost/pwl/Laravel/public/hello</p>  <p>Hello, World!</p> <p>Muncul teks Hello, World. URL berhasil memanggil fungsi hello melalui controller WelcomeController.</p>
6	<p>Membuat Controller baru dengan nama PageController dan memindahkan function index, about, dan article ke dari web.php ke PageController.php</p> <p>web.php:</p> <pre><?php use Illuminate\Support\Facades\Route; use App\Http\Controllers>WelcomeController; use App\Http\Controllers\PageController; Route::get('/hello', [WelcomeController::class, 'hello']); Route::get('/world', function () { return 'World'; }); Route::get('/', [PageController::class, 'index']); Route::get('/about', [PageController::class, 'about']); Route::get('/article/{id?}', [PageController::class, 'article']);</pre>



```
Route::get('/user/{name?}', function($name='John') {  
    return 'Nama saya ' . $name;  
});  
  
Route::get('/posts/{post}/comments/{comment}', function($postId,  
$commentId) {  
    return 'Pos ke-' . $postId . " Komentar ke-: " . $commentId;  
});
```

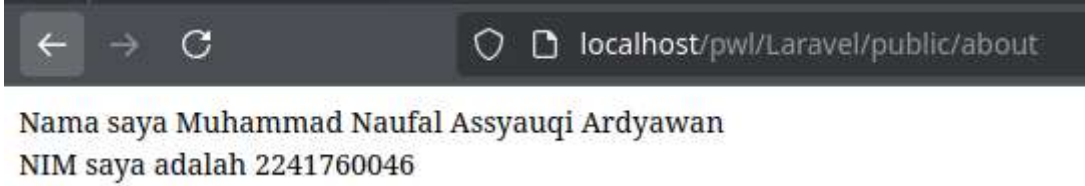
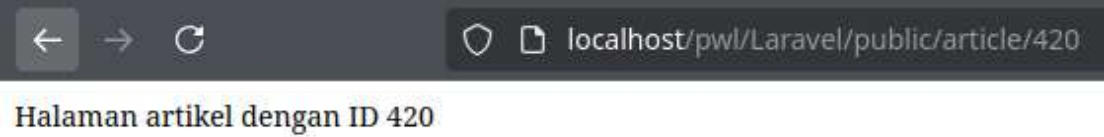
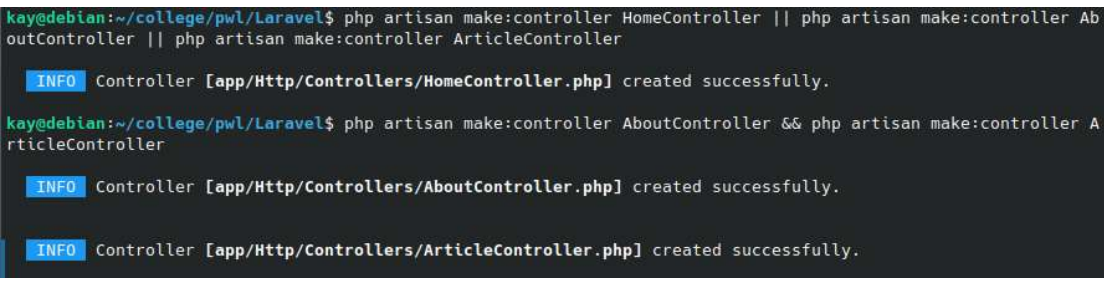
Page Controller.php

```
<?php  
  
namespace App\Http\Controllers;  
  
use Illuminate\Http\Request;  
  
class PageController extends Controller  
{  
    public function index() {  
        return 'Selamat Datang!';  
    }  
  
    public function about() {  
        return 'Nama saya Muhammad Naufal Assyauqi Ardyawan <br> NIM  
saya adalah 2241760046';  
    }  
  
    public function article($id = null) {  
        return 'Halaman artikel dengan ID ' . $id;  
    }  
}
```

Output URL “/”:





	<p>Output URL “/about”:</p>  <p>Output URL “/article/420”:</p> 
7	<p>Modifikasi Controller sebelumnya hingga menjadi Single Action Controller</p> <p>Generate Controller:</p>  <p>HomeController.php:</p>



```
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class HomeController extends Controller
8  {
9      public function index() {
10         return 'Selamat Datang!';
11     }
12 }
```

AboutController.php:

```
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class AboutController extends Controller
8  {
9      public function about() {
10         return 'Nama saya Muhammad Naufal Assyauqi Ardyawan <br> NIM saya adalah 2241760046';
11     }
12 }
```

ArticleController.php:

```
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class ArticleController extends Controller
8  {
9      public function article($id = null) {
10         return 'Halaman artikel dengan ID ' . $id;
11     }
12 }
```



Modifikasi Route:

```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\WelcomeController;
5 use App\Http\Controllers\HomeController;
6 use App\Http\Controllers\AboutController;
7 use App\Http\Controllers\ArticleController;
8
9 Route::get('/hello', [WelcomeController::class, 'hello']);
10
11 Route::get('/', [HomeController::class, 'index']);
12
13 Route::get('/about', [AboutController::class, 'about']);
14
15 Route::get('/article/{id?}', [ArticleController::class, 'article']);
```

Output URL “/”:



Selamat Datang!

Output
URL

Output URL “/about”:



Nama saya Muhammad Naufal Assyauqi Ardyawan
NIM saya adalah 2241760046

Output URL “/article/420”:



	RESOURCE CONTROLLER
8	Membuat resource controller menggunakan artisan
9	Route 'photos' pada web.php:
10	Output command "php artisan route:list":

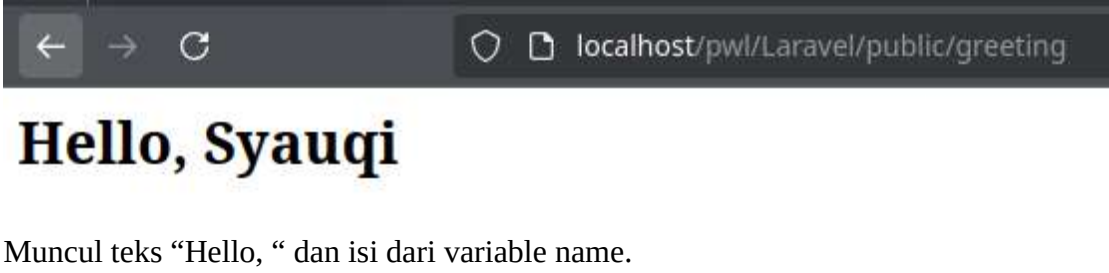
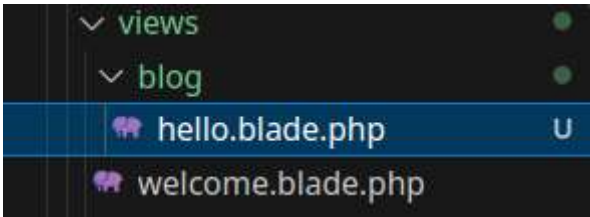
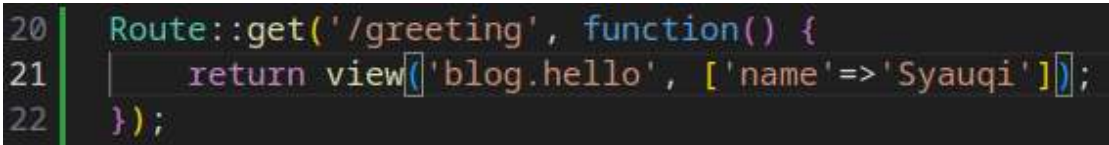
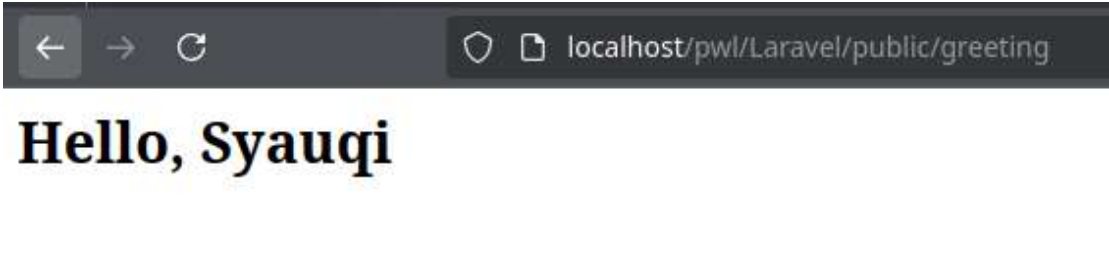


	<pre>kay@debian:~/college/pwl/Laravel\$ php artisan route:list GET HEAD / HomeController@index POST _ignition/execute-solution ignition.executeSolution > Spatie\LaravelIgnition > ExecuteSol... GET HEAD _ignition/health-check ignition.healthCheck > Spatie\LaravelIgnition > HealthCheckControl... POST _ignition/update-config ignition.updateConfig > Spatie\LaravelIgnition > UpdateConfigCont... GET HEAD about AboutController@about GET HEAD api/user GET HEAD article/{id?} ArticleController@article GET HEAD hello WelcomeController@hello GET HEAD photos photos.index > PhotoController@index POST photos photos.store > PhotoController@store GET HEAD photos/create photos.create > PhotoController@create PUT PATCH photos/{photo} photos.show > PhotoController@show DELETE photos/{photo} photos.update > PhotoController@update GET HEAD photos/{photo}/edit photos.destroy > PhotoController@destroy GET HEAD posts/{post}/comments/{comment} photos.edit > PhotoController@edit GET HEAD sanctum/csrf-cookie sanctum.csrf-cookie > Laravel\Sanctum > CsrfCookieController@show GET HEAD user/{name?} GET HEAD world Showing [19] routes</pre>

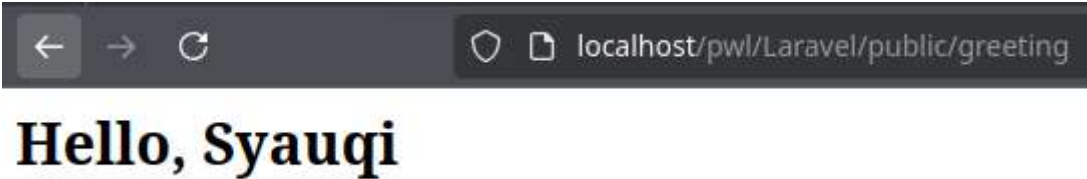
Praktikum Ke-3

Langkah	Jawaban/Deskripsi
1	<p>Menambahkan file <i>hello.blade.php</i> pada direktori <i>app/resources/views</i>:</p> <pre>Laravel > resources > views > hello.blade.php > html 1 <html> 2 <body> 3 <h1>Hello, {{ \$name }}</h1> 4 </body> 5 </html></pre>
2	<p>Menambahkan route baru pada <i>web.php</i></p> <pre>20 Route::get('/greeting', function() { 21 return view('hello', ['name'=>'Syauqi']); 22 });</pre>
3	<p>Output URL <i>localhost/pwl/Laravel/public/greeting</i>:</p>



	 <p>Muncul teks “Hello, “ dan isi dari variable name.</p>
4	Buat direktori blog dalam folder views
5	Pindahkan file hello.blade.php ke folder blog 
6	Modifikasi route greeting pada file web.php 
7	Output URL localhost/pwl/Laravel/public/greeting:  <p>Output sama seperti percobaan nomor 3</p>
8	Modifikasi WelcomeController.php:



	<pre>1 <?php 2 3 namespace App\Http\Controllers; 4 5 use Illuminate\Http\Request; 6 7 class WelcomeController extends Controller 8 { 9 public function hello() { 10 return 'Hello, World!'; 11 } 12 13 public function greeting() { 14 return view('blog.hello', ['name' => 'Syauqi']); 15 } 16 }</pre>
9	Modifikasi route greeting pada web.php <pre>20 Route::get('/greeting', [WelcomeController::class, 'greeting']); 21</pre>
10	Akses URL localhost/pwl/Laravel/public/greeting: 
11	Modifikasi function greeting pada controller WelcomeController: <pre>public function greeting() { return view('blog.hello') ->with('name', 'Syauqi') ->with('occupation', 'Student'); }</pre>
12	Modifikasi hello.blade.php:



	<pre>1 <html> 2 <body> 3 <h1>Hello, {{ \$name }}</h1> 4 <h1>You are a {{ \$occupation }}</h1> 5 </body> 6 </html></pre>
13	<p>Output URL localhost/pwl/Laravel/public/greeting:</p> 

Soal Praktikum

Langkah	Jawaban/Deskripsi
1	<p>Membuat file Controller untuk masing-masing halaman</p> <pre>kay@debian:~/college/pwl/Laravel\$ php artisan make:controller POSHomeController && php artisan make:controller POSProductsController && php artisan make:controller POSUserController && php artisan make:controller POSPenjualanController</pre> <p>INFO Controller [app/Http/Controllers/POSHomeController.php] created successfully.</p> <p>INFO Controller [app/Http/Controllers/POSProductsController.php] created successfully.</p> <p>INFO Controller [app/Http/Controllers/POSUserController.php] created successfully.</p> <p>INFO Controller [app/Http/Controllers/POSPenjualanController.php] created successfully.</p>



2

Modifikasi POSHomeController sebagai laman utama:

```
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class POSHomeController extends Controller
8  {
9      public function home() {
10         return view('pos.home');
11     }
12 }
```

Penambahan Route home:

```
35 use App\Http\Controllers\POSHomeController;
36 Route::get('/home', [POSHomeController::class, 'home']);
```

Pembuatan View home pada direktori pos:

```
Laravel > resources > views > pos > home.blade.php > html
1  <html>
2      <head>
3          Sistem POS
4      </head>
5      <body>
6          <h1>Hai, Selamat datang pada halaman utama sistem POS!</h1>
7      </body>
8  </html>
```

Output

URL localhost/pwl/Laravel/public/home:





3 Modifikasi POSProductsController sebagai laman category

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class POSProductsController extends Controller
8 {
9     public function food_beverage() {
10         return view('pos.category.food_beverage');
11     }
12     public function beauty_health() {
13         return view('pos.category.beauty_health');
14     }
15     public function home_care() {
16         return view('pos.category.home_care');
17     }
18     public function baby_kid() {
19         return view('pos.category.baby_kid');
20     }
21 }
```

Penambahan Route untuk tiap URL baru

```
use App\Http\Controllers\POSProductsController;
Route::get('/category/food_beverage', [POSProductsController::class, 'food_beverage']);
Route::get('/category/beauty_health', [POSProductsController::class, 'beauty_health']);
Route::get('/category/home_care', [POSProductsController::class, 'home_care']);
Route::get('/category/baby_kid', [POSProductsController::class, 'baby_kid']);
```

File food_beverage.blade.php

```
Laravel > resources > views > pos > category > food_beverage.blade.php > html
1 <html>
2     <head>
3         <title>Halaman Food & Beverages</title>
4     </head>
5     <body>
6         <h1>Berikut adalah halaman food and beverages</h1>
7         <h3>Food</h3>
8         <p>Nasi Goreng <br> Steak Ayam <br> Sate Kambing</p>
9         <h3>Beverages</h3>
10        <p> Air Putih <br> Soda <br> Milkshake </p>
11    </body>
12 </html>
```



File beauty_health.blade.php:

```
Laravel > resources > views > pos > category > beauty_health.blade.php > html
1 <html>
2   <head>
3     <title>Halaman Beauty & Health</title>
4   </head>
5   <body>
6     <h1>Berikut adalah halaman beauty and health</h1>
7     <h3>Tips kesehatan wanita</h3>
8     <p>...</p>
9     <h3>Tips kesehatan pria</h3>
10    <p>...</p>
11  </body>
12 </html>
```

File home_care.blade.php:

```
Laravel > resources > views > pos > category > home_care.blade.php > html
1 <html>
2   <head>
3     <title> Halaman Home Care</title>
4   </head>
5   <body>
6     <h1> Berikut adalah halaman Home Care</h1>
7     <h3>Tips menjaga kebersihan rumah</h3>
8     <p>...</p>
9   </body>
10 </html>
```

File baby_kid.php

```
Laravel > resources > views > pos > category > baby_kid.blade.php > html
1 <html>
2   <head>
3     <title>Halaman Baby & Kids</title>
4   </head>
5   <body>
6     <h1>Berikut adalah halaman Baby & Kids</h1>
7     <h3>Tips menjaga attention span anak</h3>
8     <p>...</p>
9   </body>
10 </html>
```



Output URL /category/food_beverage



localhost/pwl/Laravel/public/category/food_beverage

Berikut adalah halaman food and beverages

Food

Nasi Goreng
Steak Ayam
Sate Kambing

Beverages

Air Putih
Soda
Milkshake

Output URL /category/beauty_health:



	<div><p>← → ↻ localhost/pwl/Laravel/public/category/beauty_health</p><p>Berikut adalah halaman beauty and health</p><p>Tips kesehatan wanita</p><p>...</p><p>Tips kesehatan pria</p><p>...</p><p>Output URL /category/home_care</p><div><p>← → ↻ localhost/pwl/Laravel/public/category/home_care</p><p>Berikut adalah halaman Home Care</p><p>Tips menjaga kebersihan rumah</p><p>...</p><p>Output URL /category/baby_kid</p><div><p>← → ↻ localhost/pwl/Laravel/public/category/baby_kid</p><p>Berikut adalah halaman Baby & Kids</p><p>Tips menjaga attention span anak</p><p>...</p></div></div></div>
4	Modifikasi POSUserController.php sebagai halaman user



```
Laravel > app > Http > Controllers > POSUserController.php > POSUserController > user
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6
7  class POSUserController extends Controller
8  {
9      public function user($id=null, $name=null){
10         return view('pos.user')
11             ->with('id', $id )
12             ->with('name', $name);
13     }
14 }
```

Menambahkan Route /user/{id}/name/{name}:

```
44 use App\Http\Controllers\POSUserController;
45 Route::get('/user_pos/{id}/name/{name}', [POSUserController::class, 'user']);
```

File user.blade.php:

```
Laravel > resources > views > pos > user.blade.php > html
1  <html>
2  <head>
3      <title>
4          Halaman Profile User
5      </title>
6  </head>
7  <body>
8      <h1>Halaman Profile</h1>
9      <h3>ID User: {{$id}}</h3>
10     <h3>Nama : {{$name}}</h3>
11
12 </body>
13 </html>
```

Output URL /user_pos/1/name/Syauqi:

```
localhost/pwl/Laravel/public/user_pos/1/name/Syauqi

Halaman Profile

ID User: 1

Nama : Syauqi
```



4

Modifikasi POSPenjualanController sebagai halaman transaksi

```
Laravel > app > Http > Controllers > POSPenjualanController.php > POSPenjualanController > penjualan  
1 <?php  
2  
3 namespace App\Http\Controllers;  
4  
5 use Illuminate\Http\Request;  
6  
7 class POSPenjualanController extends Controller  
8 {  
9     public function penjualan()  
10     {  
11         return view('pos.penjualan');  
12     }  
13 }
```

Penambahan Route /penjualan:

```
47 use App\Http\Controllers\POSPenjualanController;  
48 Route::get('/penjualan', [POSPenjualanController::class, 'penjualan']);
```

File penjualan.blade.php:

```
Laravel > resources > views > pos > penjualan.blade.php > html > body > p  
1 <html>  
2 <head>  
3 <title>Halaman Transaksi POS</title>  
4 </head>  
5 <body>  
6 <h1>Halaman Point of Sales</h1>  
7 <p><b>Barang</b> <br> Gula, 5000<br>Garam, 3000<br></p>  
8 <p><b>Total:</b> 8000</p>  
9 </body>  
10 </html>
```

Output URL /penjualan:

← → ↻ localhost/pwl/Laravel/public/penjualan

Halaman Point of Sales

Barang

Gula, 5000

Garam, 3000

Total: 8000