Jurusan Teknologi Informasi Politeknik Negeri Malang

Jobsheet-2 : ROUTING, CONTROLLER, DAN VIEW

Mata Kuliah Praktikum Pemrograman Web Lanjut (PWL)

Maret 2024

Nama : Elvaretta Salsabilla

NIM : 2241720116
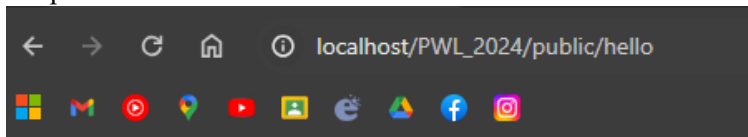
No/Kelas : 14/TI-2H

LAPORAN PRAKTIKUM

A. Routing
1. Praktikum Basic Routing
a. Kode:

```php
use Illuminate\Support\Facades\Route;

Route::get('/hello', function () {
    return 'Hello World';
});
```
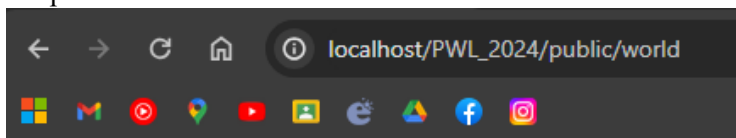
Output:

Hello World

b. Kode:

```php
Route::get('/world', function () {
    return 'World';
});
```

Output:

World

c. Kode:

```
Route::get('/', function () {
    return 'Selamat Datang';});
```

Output:

localhost/PWL_2024/public/
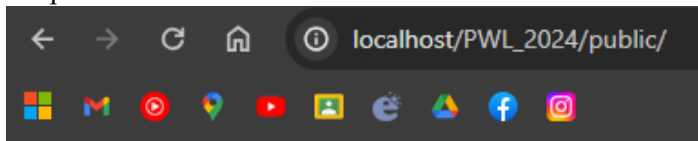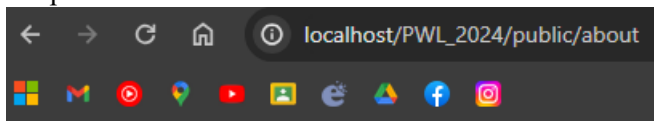
Selamat Datang

d. Kode:

```
Route::get('/about', function () {
    return 'NIM : 2241720116<br> Nama: Elvaretta Salsabilla';});
```

Output:

localhost/PWL_2024/public/about

NIM: 2241720116
Nama: Elvaretta Salsabilla

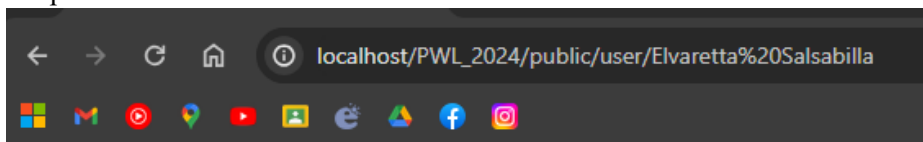## 2. Praktikum Route Parameters

a. Kode:

```
Route::get('/user/{name}', function ($name) {
    return 'Nama Saya '.$name;});
```

Output:

localhost/PWL_2024/public/user/Elvaretta%20Salsabilla

Nama Saya Elvaretta Salsabilla

b. Kode:

```
Route::get('/posts/{post}/comments/{comment}', function ($postId, $commentId) {
    return 'Pos ke-'.$postId.'Komentar ke-'.$commentId.'';
});
```

Output:

Pos ke-1Komentar ke-5

c. Kode:

```
Route::get('/articles/{id}', function ($id) {
    return 'Halaman Artikel '.$id;
} );
```

Output:
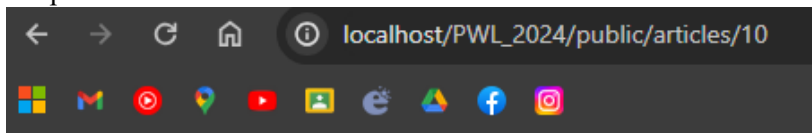
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3. Praktikum Optional Parameters

a. Kode:

```
Route::get('/user/{name?}', function ($name=null) {
    return 'Nama Saya'.$name;
});
```
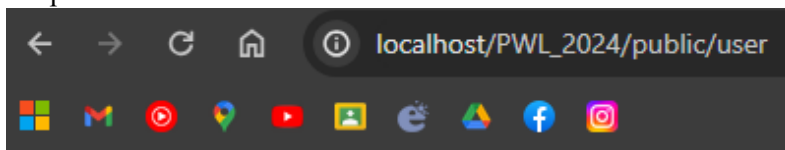
Output:

Nama Saya

b. Kode:

```
Route::get('/user/{name?}', function ($name='John') {
    return 'Nama Saya '.$name;
});
```

Output:

Nama Saya John

B. Controller
1. Praktikum Membuat Controller
a. Kode:

```
PS C:\laragon\www\PWL_2024> php artisan make:controller Welco
meController
```

Output:

```
🐘 WelcomeController.php
```

b.   Kode:

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

3 references | 0 implementations
class WelcomeController extends Controller
{
    1 reference | 0 overrides
    public function hello(){
        return 'Hello World';
    }
```

```php
Route::get('/hello', [WelcomeController::class,'hello']);
```

Output:

Hello World

c.   Kode:

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

3 references | 0 implementations
class PageController extends Controller
{
    1 reference | 0 overrides
    public function index(){
        return 'Selamat Datang';
    }

    1 reference | 0 overrides
    public function about(){
        return 'NIM: 2241720116 <br> Nama: Elvaretta Salsabilla';
    }

    0 references | 0 overrides
    public function articles($id){
        return 'Halaman Artikel dengan Id '.$id;
    }
}
```

```php
Route::get('/', [PageController::class,'index']);
Route::get('/about', [PageController::class,'about']);
Route::get('/articles/{id}', [PageController::class,'articles']);
```

Output:

Selamat Datang

NIM: 2241720116
Nama: Elvaretta Salsabilla
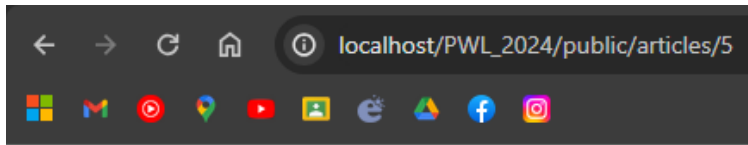
Halaman Artikel dengan Id 5

d. HomController

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

2 references | 0 implementations
class HomeController extends Controller
{
    0 references | 0 overrides
    public function index(){
        return 'Selamat Datang';
    }
}
```

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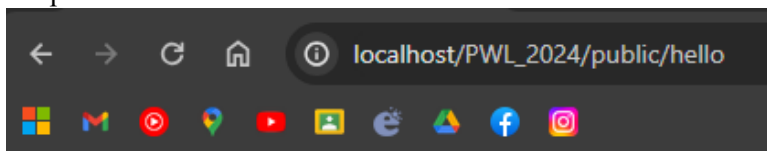
AboutController

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

1 reference | 0 implementations
class AboutController extends Controller
{
    0 references | 0 overrides
    public function about(){
        return 'NIM: 2241720116 <br> Nama: Elvaretta Salsabilla';
    }
}
```

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

ArticleController

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

1 reference | 0 implementations
class ArticleController extends Controller
{
    0 references | 0 overrides
    public function articles($id){
        return 'Halaman Artikel dengan Id '.$id;
    }
}
```
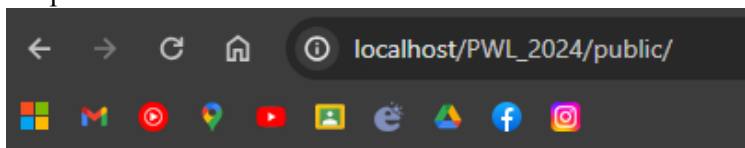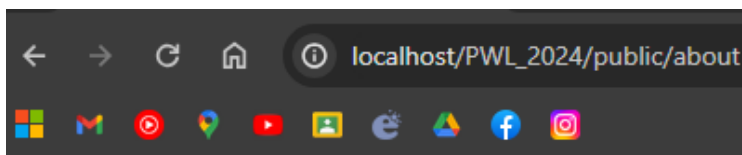
```php
Route::get('/articles/{id}', [ArticleController::class,'articles']);
```

2. Praktikum Resource Controller
   a. Kode:

```
PS C:\laragon\www\PWL_2024> php artisan make:controller PhotoController --resource
```

Output:

```php
app > Http > Controllers > PhotoController.php > ...
1   <?php
2
3   namespace App\Http\Controllers;
4
5   use Illuminate\Http\Request;
6
    1 reference | 0 implementations
7   class PhotoController extends Controller
8   {
9       /**
10       * Display a listing of the resource.
11       */
        0 references | 0 overrides
12      public function index()
13      {
14          //
15      }
16
17      /**
18       * Show the form for creating a new resource.
19       */
        0 references | 0 overrides
20      public function create()
21      {
22          //
23      }
24
25      /**
```

PWL_2024
- app
  - Console
  - Exceptions
  - Http
    - Controllers
      - AboutController.php
      - ArticleController.php
      - Controller.php
      - HomeController.php
      - PageController.php
      - PhotoController.php
      - WelcomeController.php
    - Middleware
    - Kernel.php
  - Models
    - User.php
  - Providers
- bootstrap
- config
- database
- public
- resources
  - css

   b. Kode:

```php
use App\Http\Controllers\PhotoController;

Route::resource('photos', PhotoController::class);
```

Output:

```
PS C:\laragon\www\PWL_2024> php artisan route:list

  GET|HEAD       / ...................................................... PageController@index
  POST           _ignition/execute-solution ignition.executeSolution › Spatie\LaravelIgniti…
  GET|HEAD       _ignition/health-check ignition.healthCheck › Spatie\LaravelIgnition › Hea…
  POST           _ignition/update-config ignition.updateConfig › Spatie\LaravelIgnition › U…
  GET|HEAD       about ................................................... AboutController@
  GET|HEAD       api/user ...............................................
  GET|HEAD       articles/{id} ................................. ArticleController@articles
  GET|HEAD       greeting ............................... WelcomeController@greeting
  GET|HEAD       hello .................................... WelcomeController@hello
  GET|HEAD       index ................................................... HomeController@
  GET|HEAD       photos ............................. photos.index › PhotoController@index
  POST           photos ............................. photos.store › PhotoController@store
  GET|HEAD       photos/create ................... photos.create › PhotoController@create
  GET|HEAD       photos/{photo} ..................... photos.show › PhotoController@show
  PUT|PATCH      photos/{photo} ................. photos.update › PhotoController@update
  DELETE         photos/{photo} ............... photos.destroy › PhotoController@destroy
  GET|HEAD       photos/{photo}/edit ................. photos.edit › PhotoController@edit
  GET|HEAD       posts/{post}/comments/{comment} ....................................
  GET|HEAD       sanctum/csrf-cookie sanctum.csrf-cookie › Laravel\Sanctum › CsrfCookieCont…
  GET|HEAD       user/{name?} ......................................................
  GET|HEAD       user/{name} .......................................................
  GET|HEAD       world .............................................................

                                                                  Showing [22] routes
```

c. Kode:

```php
Route::resource('photos', PhotoController::class) -> only(['index', 'show']);



Route::resource('photos', PhotoController::class)->except(['create', 'store',
'update', 'destroy' ]);
```

Output:

```
PS C:\laragon\www\PWL_2024> php artisan route:list

GET|HEAD   / ........................................................ PageController@index
POST       _ignition/execute-solution ignition.executeSolution › Spatie\LaravelIgnition › Execute…
GET|HEAD   _ignition/health-check ignition.healthCheck › Spatie\LaravelIgnition › HealthCheckCont…
POST       _ignition/update-config ignition.updateConfig › Spatie\LaravelIgnition › UpdateConfigC…
GET|HEAD   about ..................................................... AboutController@
GET|HEAD   api/user
GET|HEAD   articles/{id} ............................................. ArticleController@articles
GET|HEAD   greeting .................................................. WelcomeController@greeting
GET|HEAD   hello .................................................... WelcomeController@hello
GET|HEAD   index ..................................................... HomeController@
GET|HEAD   photos .......................................... photos.index › PhotoController@index
GET|HEAD   photos/{photo} ................................... photos.show › PhotoController@show
GET|HEAD   photos/{photo}/edit ............................. photos.edit › PhotoController@edit
GET|HEAD   posts/{post}/comments/{comment} ...........................
GET|HEAD   sanctum/csrf-cookie . sanctum.csrf-cookie › Laravel\Sanctum › CsrfCookieController@show
GET|HEAD   user/{name?} ..............................................
GET|HEAD   user/{name} ...............................................
GET|HEAD   world ....................................................

                                                          Showing [18] routes
```

C. View

1. Praktikum membuat view

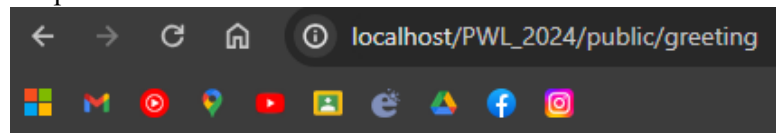a. Kode:

```
1    <!-- View pada resource/views/hello.blade.php -->
2    <html>
3        <body>
4            <h1>Hello, {{$name}} </h1>
5        </body>
6    </html>
```

```
Route::get('/greeting', function(){
    return view('blog.hello',['name' => 'Elva']);
});
```

Output:

localhost/PWL_2024/public/greeting

Hello, Elva

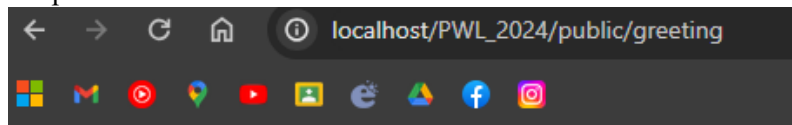### 2. Praktikum View dalam Direktori

a. Kode:

```php
public function greeting(){
    return view('blog.hello')
    ->with('name','Elva')
    ->with('occupation','Astronaut');
}
}
```

```php
Route::get('/greeting', [WelcomeController::class,'greeting']);
```

```html
1   <!-- View pada resource/views/hello.blade.php -->
2   <html>
3       <body>
4           <h1>Hello, {{$name}} </h1>
5           <h1>You are {{$occupation}}</h1>
6       </body>
7   </html>
```

Output:

localhost/PWL_2024/public/greeting

Hello, Elva

You are Astronaut