

Jobsheet 02: Routing, Controller, dan View

Dosen Pengampu Mata Kuliah :

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Dibuat Oleh :

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Politeknik Negeri Malang

Jurusan Teknologi Informasi

D-IV Teknik Informatika

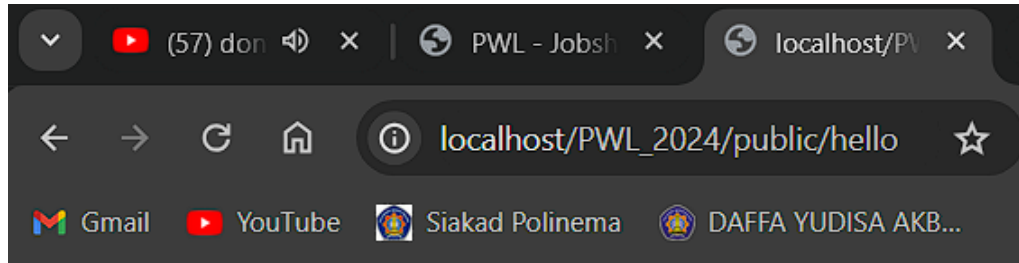
2024

Laporan Hasil Praktikum

1. Routing:

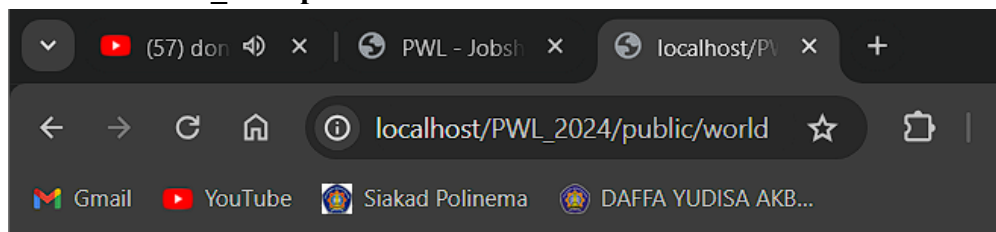
a. Basic Routing:

- Buka browser, tuliskan URL untuk memanggil route tersebut: **localhost/PWL_2024/public/hello**.



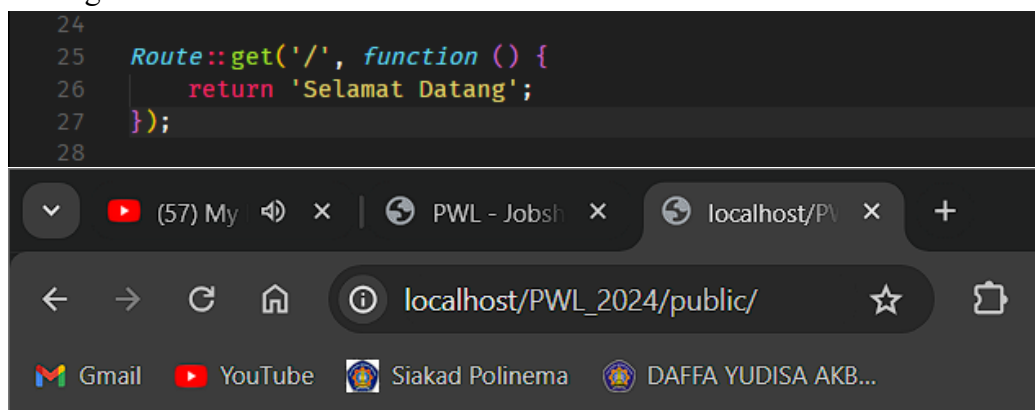
Hello World

- Bukalah pada browser, tuliskan URL untuk memanggil route tersebut: **localhost/PWL_2024/public/world**.



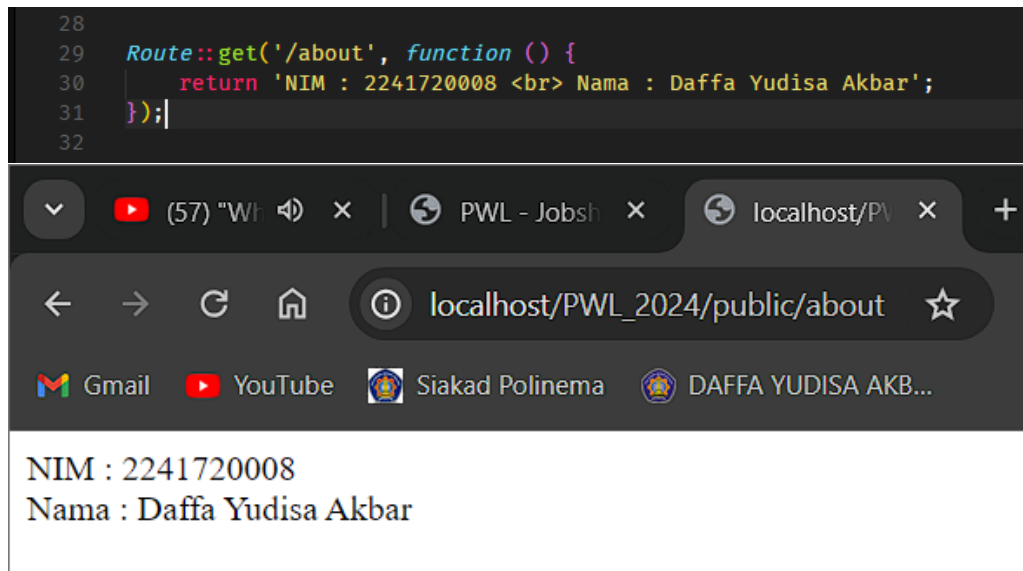
World

- Selanjutnya, cobalah membuat route '/' yang menampilkan pesan 'Selamat Datang'.



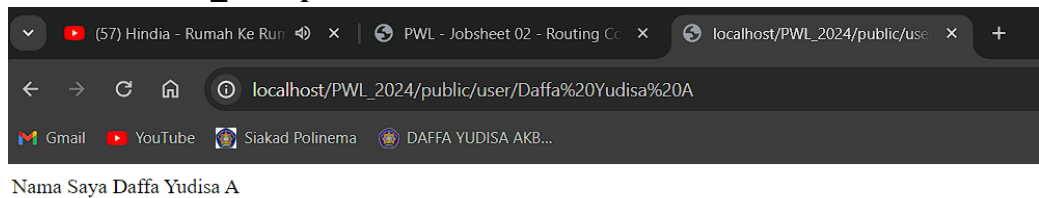
Selamat Datang

- Kemudian buatlah route '/about' yang akan menampilkan NIM dan nama Anda.

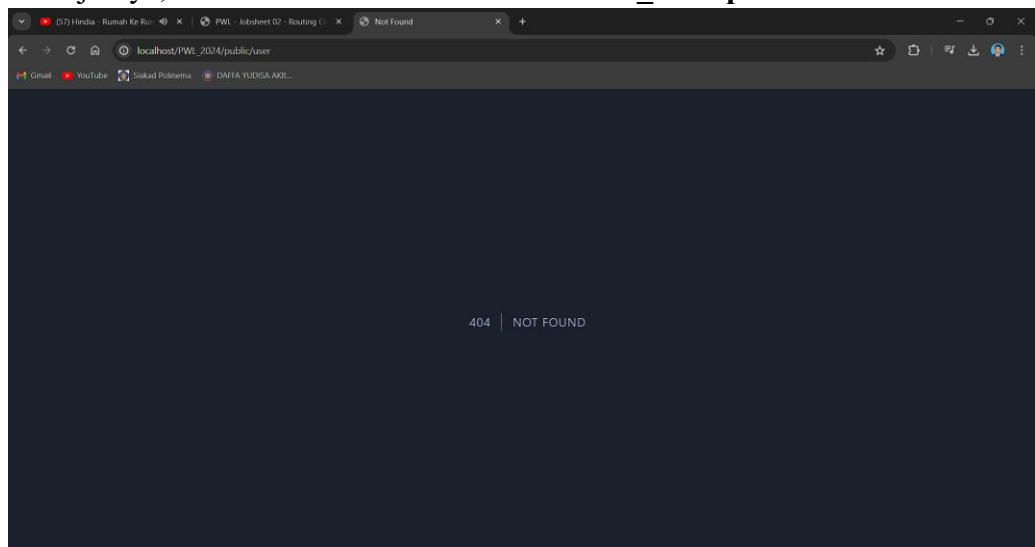


b. Route Parameters:

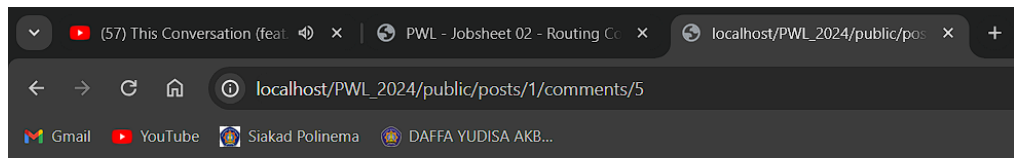
- Jalankan kode dengan menuliskan URL untuk memanggil route tersebut: **localhost/PWL_2024/public/user>NamaAnda.**



- Selanjutnya, coba tuliskan URL: **localhost/PWL_2024/public/user/.**

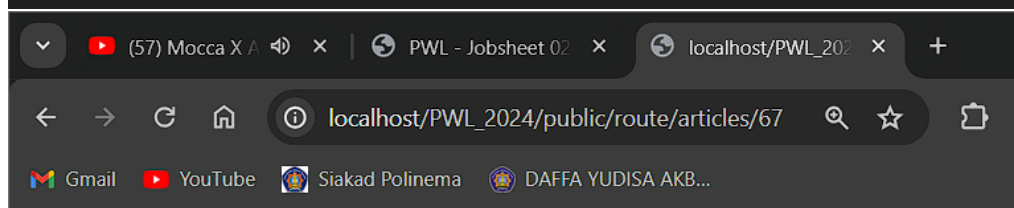
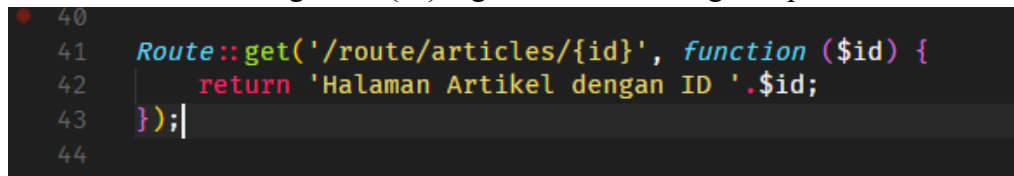


- Jalankan kode dengan menuliskan URL untuk memanggil route tersebut: **localhost/PWL_2024/public/posts/1/comments/5.**



Pos ke-1 Komentar ke-5

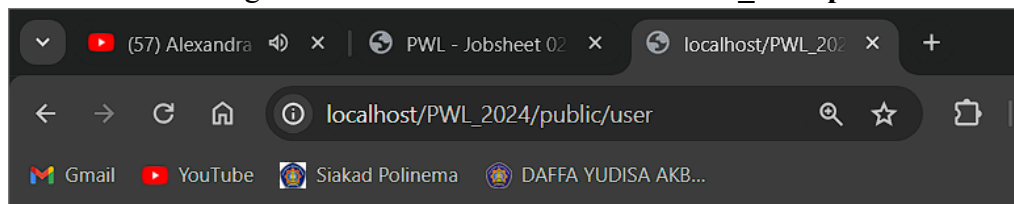
- Kemudian buatlah route `/articles/{id}` yang akan menampilkan output “Halaman Artikel dengan ID {id}”, ganti id sesuai dengan input dari url.



Halaman Artikel dengan ID 67

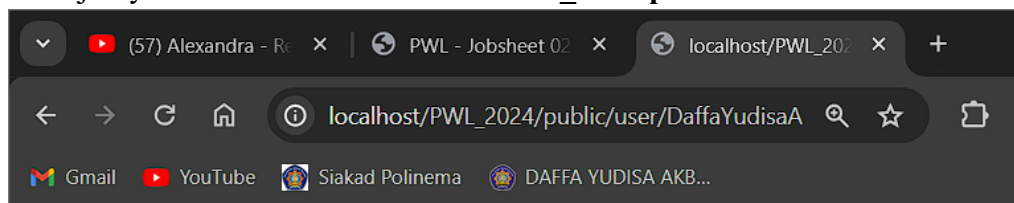
c. Optional Parameters

- Jalankan kode dengan menuliskan URL: `localhost/PWL_2024/public/user/`



Nama Saya

- Selanjutnya tuliskan URL: `localhost/PWL_2024/public/user>NamaAnda`.

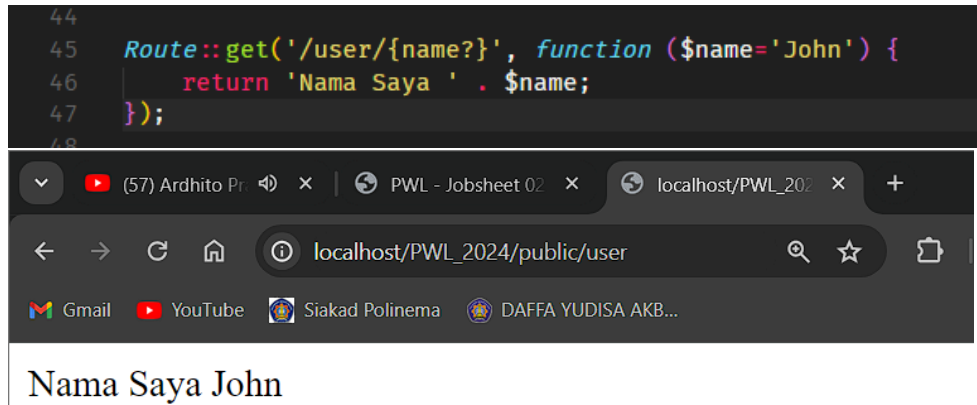


Nama Saya DaffaYudisaA

- Ubah kode pada route /user menjadi seperti di bawah ini.

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

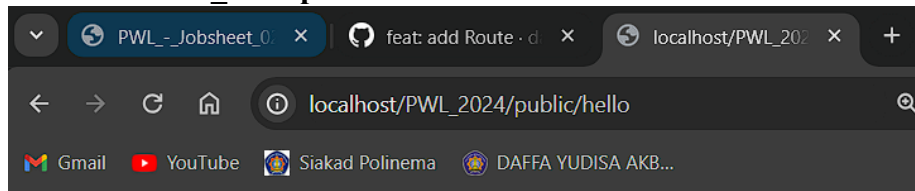
Jalankan kode dengan menuliskan URL: **localhost/PWL_2024/public/user/**.



2. Controller:

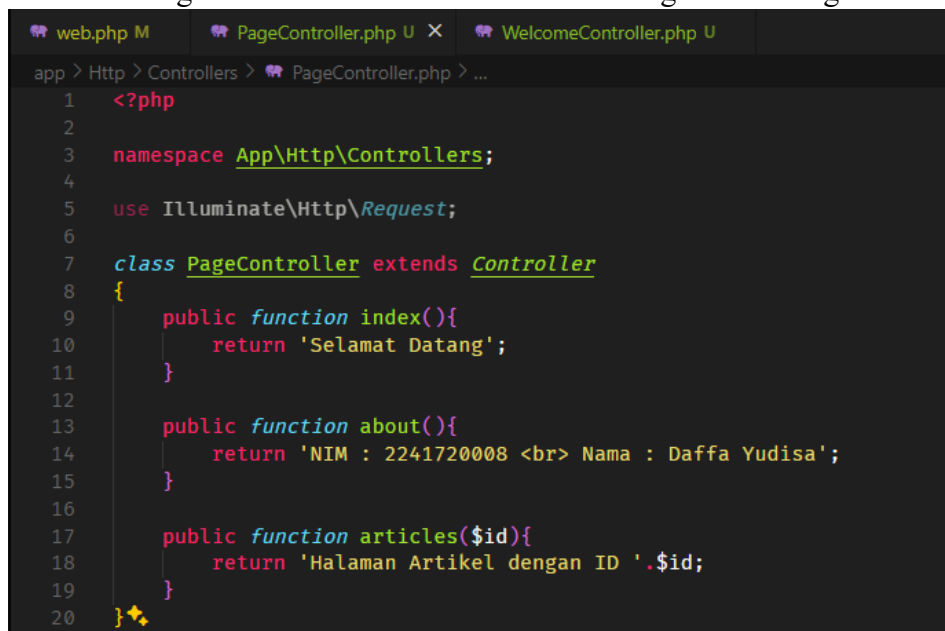
a. Membuat Controller

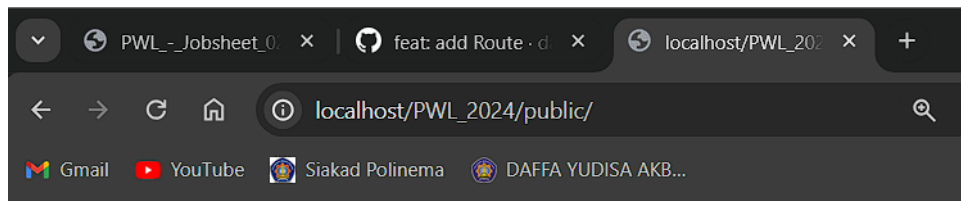
- Buka browser, tuliskan URL untuk memanggil route tersebut: **localhost/PWL_2024/public/hello**



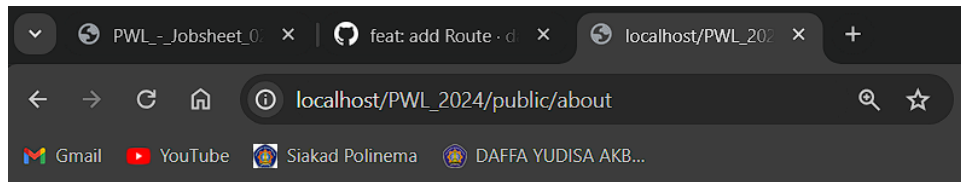
Hello World

- Modifikasi hasil pada praktikum poin 2 (Routing) dengan konsep controller. Pindahkan logika eksekusi ke dalam controller dengan nama PageController.

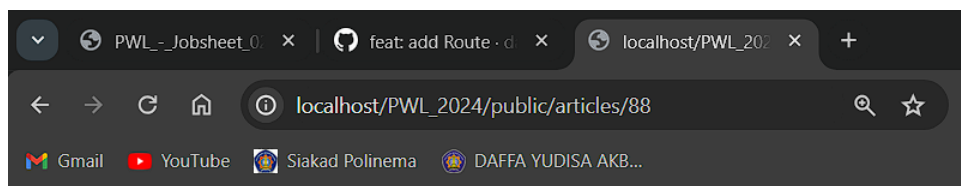




Selamat Datang



NIM : 2241720008
Nama : Daffa Yudisa



Halaman Artikel dengan ID 88

- Modifikasi kembali implementasi sebelumnya dengan konsep Single Action Controller. Sehingga untuk hasil akhir yang didapatkan akan ada HomeController, AboutController dan ArticleController. Modifikasi juga route yang digunakan

```
web.php M x AboutController.php U ArticleController.php U
app > Http > Controllers > HomeController.php > PHP Intelephense > HomeController.php
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 }
```

The image shows a development environment with a code editor and a web browser. The code editor displays the `ArticleController.php` and `AboutController.php` files. The `ArticleController` has an `articles($id)` method that returns a string. The `AboutController` has an `about()` method that returns a string with NIM and name. The web browser shows the output of the application at `localhost/PWL_2024/public/`, displaying "Selamat Datang".

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use Illuminate\Http\Request;
6
7 class ArticleController extends Controller
8 {
9     public function articles($id){
10         return 'Halaman Artikel dengan ID '.$id;
11     }
12 }
13
```

```
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 'NIM : 2241720008 <br> Nama : Daffa Yudisa';
11     }
12 }
13
```

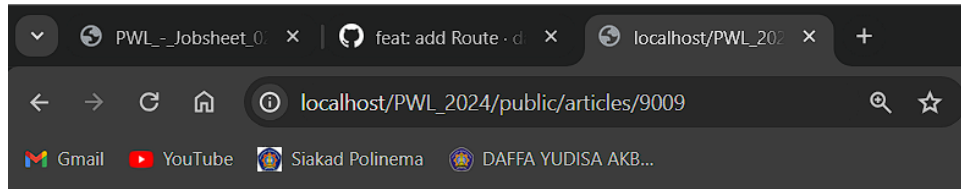
```
57 // Route::get('/articles/{id}', [PageController::class, 'articles']);
58 Route::get('/', [HomeController::class, 'index']);
59 Route::get('/about', [AboutController::class, 'about']);
60 Route::get('/articles/{id}', [AboutController::class, 'articles']);
61
```

localhost/PWL_2024/public/

Selamat Datang

The image shows a web browser displaying the output of the application at `localhost/PWL_2024/public/about`. The output is:

NIM : 2241720008
Nama : Daffa Yudisa



Halaman Artikel dengan ID 9009

b. Resource Controller

- Setelah controller berhasil degenerate, selanjutnya harus dibuatkan route agar dapat terhubung dengan frontend. Tambahkan kode program berikut pada file web.php.

```
64
65 Route::resource('photos', PhotoController::class);
66
```

- Jalankan cek list route (php artisan route:list)

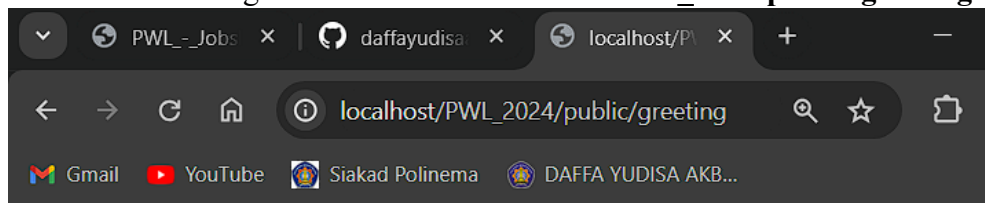
```
PS C:\laragon\www\pwl_2024> php artisan route:list
GET HEAD / ..... HomeController@index
POST /_ignition/execute-solution ..... Ignition\executeSolution > Spatie\aravelIgnition > ExecuteSolutionController
GET HEAD /_ignition/health-check ..... Ignition\healthCheck > Spatie\aravelIgnition > HealthCheckController
POST /_ignition/update-config ..... Ignition\updateConfig > Spatie\aravelIgnition > UpdateConfigController
GET HEAD /about ..... AboutController@about
GET HEAD /articles/{id} ..... ArticleController@articles
GET HEAD /hello ..... HomeController@hello
POST /photos ..... PhotoController@store
GET HEAD /photos/create ..... PhotoController@create
GET HEAD /photos/{photo} ..... PhotoController@show
PUT PATCH /photos/{photo} ..... PhotoController@update
DELETE /photos/{photo}/delete ..... PhotoController@destroy
GET HEAD /posts/{post}/comments/{comment} ..... PostController@comments
GET HEAD /sanctum/csrf-cookie ..... Sanctum\csrfCookie > Laravel\Sanctum > CsrfCookieController@new
GET HEAD /user/{name?} ..... UserController@user
GET HEAD /world ..... WorldController@world

Showing 19 routes
```

3. View:

a. Membuat View

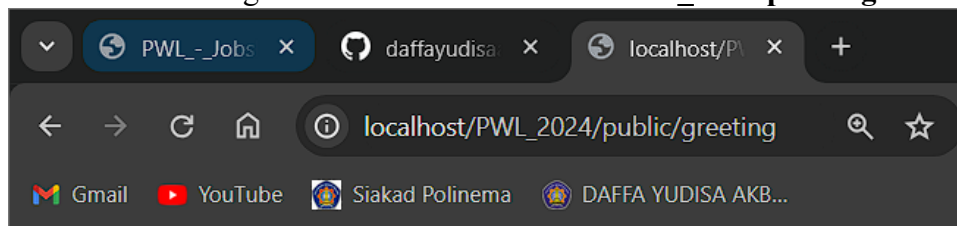
- Jalankan code dengan membuka url **localhost/PWL_2024/public/greeting**.



Hello, Daffa Yudisa A

b. View Dalam Direktori

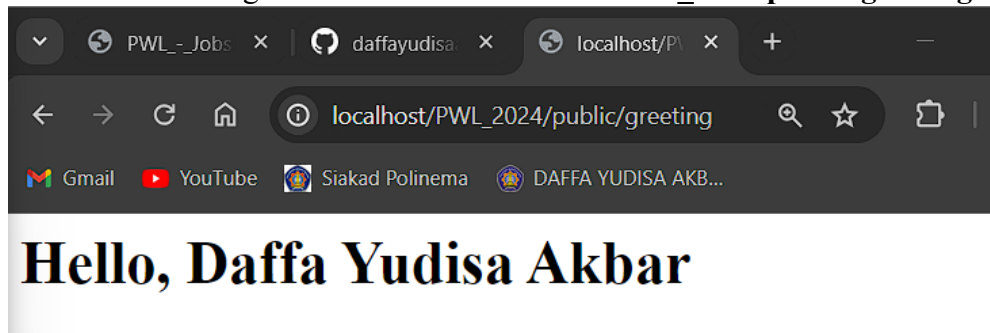
- Jalankan code dengan membuka url **localhost/PWL_2024/public/greeting**.



Hello, Daffa Yudisa A

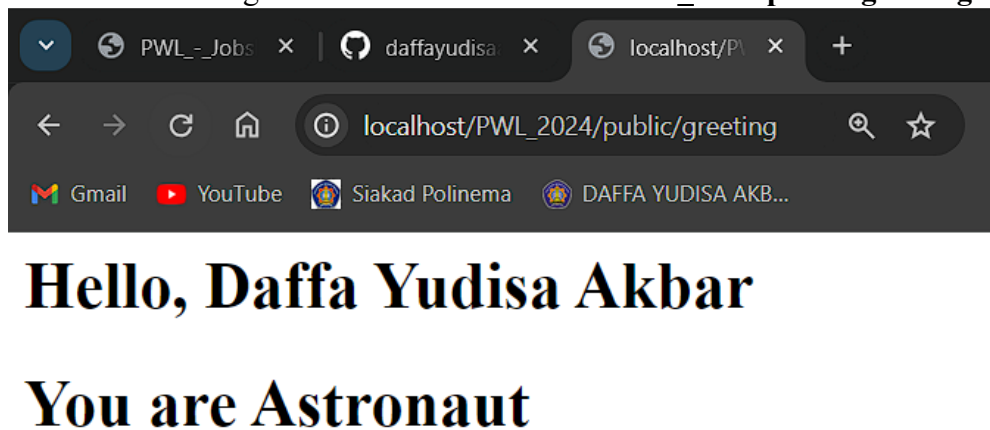
c. Menampilkan View dari Controller

- Jalankan code dengan membuka url **localhost/PWL_2024/public/greeting**.



d. Meneruskan data ke view

- Jalankan code dengan membuka url **localhost/PWL_2024/public/greeting**.

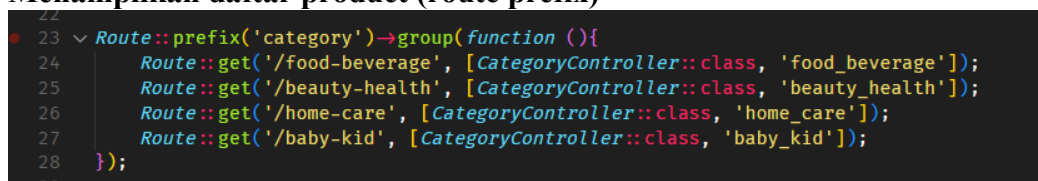


4. SOAL PRAKTIKUM

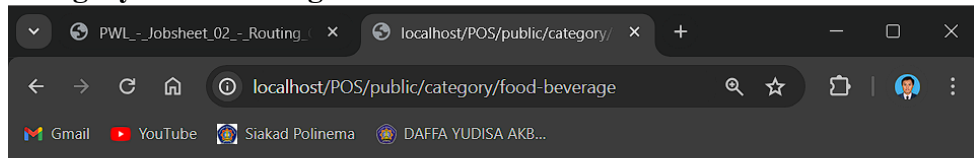
a. Menampilkan halaman awal website



b. Menampilkan daftar product (route prefix)



a. **/category/food-beverage**

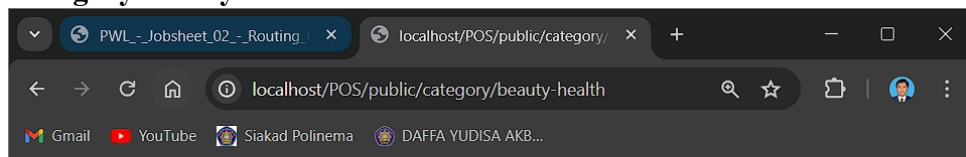


Food and Beverage Menu

This one just template for food and beverage menu

Name Product	Price
Orange Juice	5000
Fried Rice	15000
Pancong	10000

b. **/category/beauty-health**

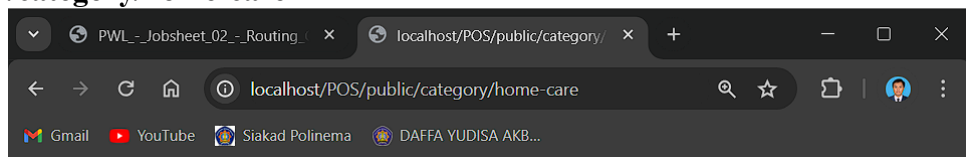


Beauty and Health Menu

This one just template for beauty and health menu

Name Product	Price
Facial Wash	30000
Sunscreen	40000
Facial Mask	15000

c. **/category/home-care**

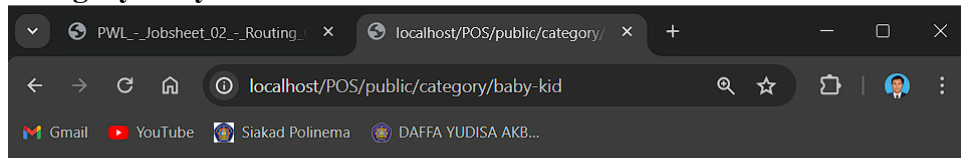


Home Care Menu

This one just template for home care menu

Name Product	Price
Floor Cleaner	15000
Broom	10000
Vacuum Cleaner	300000

d. /category/baby-kid

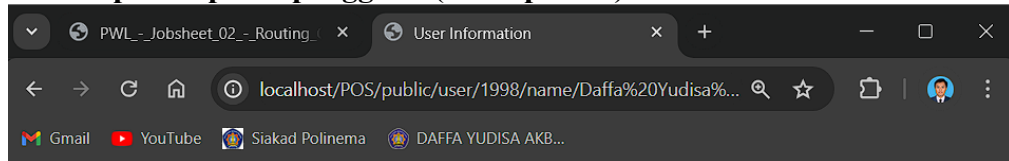


Baby Kid Menu

This one just template for baby kid menu

Name Product	Price
Baby Shampo	8500
Diapers	25000
Baby Milk	30000

c. Menampilkan profil pengguna (route param)

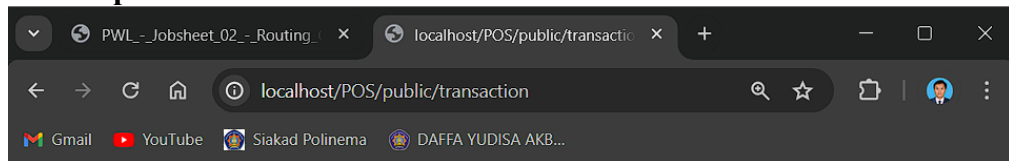


User Information

Id: 1998

User: Daffa Yudisa A

d. Menampilkan halaman transaksi POS



Transaction Information

Product Name	Amount	Total
Facial Wash	2	30000
Sunscreen	1	40000
Facial Mask	3	45000
Diapers	1	25000
Total		140000