

Tugas W9 FE

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Divisi : Softdev-Frontend

1. Install nextjs dengan versi 15 dan pakai app router, style pakai tailwind css. (Untuk bahas disesuaikan bisa javascript/typescript).

```
MINGW64/c/Users/lenovo/Downloads/EISD STUDY GROUP

Farid M@LAPTOP-J05TFM8T MINGW64 ~/Downloads/EISD STUDY GROUP (master)
$ npx create-next-app@15 TugasWeek9EISD --app --tailwind --js
npm WARN exec The following package was not found and will be installed: create-
next-app@15
Could not create a project called "TugasWeek9EISD" because of npm naming restric-
tions:
  * name can no longer contain capital letters
npm notice
npm notice New major version of npm available! 8.5.4 -> 11.5.2
npm notice Changelog: <https://github.com/npm/cli/releases/tag/v11.5.2>
npm notice Run 'npm install -g npm@11.5.2' to update!
npm notice

Farid M@LAPTOP-J05TFM8T MINGW64 ~/Downloads/EISD STUDY GROUP (master)
$ npx create-next-app@15 tugas-week9-eisd --app --tailwind --js
? Would you like to use ESLint? » No / Yes

no
√ Would you like to use ESLint? ... No / Yes
? Would you like your code inside a 'src/' directory? » No / Yesno
√ Would you like your code inside a 'src/' directory? ... No / Yes
? Would you like to use Turbopack for 'next dev'? » No / Yesyes
√ Would you like to use Turbopack for 'next dev'? ... No / Yes
? Would you like to customize the import alias ('@/' by default)? » No / Yesno
√ Would you like to customize the import alias ('@/' by default)? ... No / Yes
Creating a new Next.js app in C:\Users\lenovo\Downloads\EISD STUDY GROUP\tugas-w
eek9-eisd.

Using npm.

Initializing project with template: app-tw

Installing dependencies:
- react
- react-dom
- next

Installing devDependencies:
- @tailwindcss/postcss
- tailwindcss

added 52 packages, and audited 53 packages in 46s

10 packages are looking for funding
  run 'npm fund' for details

found 0 vulnerabilities
Success! Created tugas-week9-eisd at C:\Users\lenovo\Downloads\EISD STUDY GROUP\
tugas-week9-eisd
```

2. Bikin sebuah landing page biasa dengan meng implmentasikan csr, ssr, dan ssg dengan mengambil data pakai <https://fakestoreapi.com/>. (Pastikan pakai getStaticProps dan getServerSide)

a. CSR

```
1 "use client";
2
3 import { useState, useEffect } from "react";
4 import Image from "next/image";
5 import Link from "next/link";
6
7 export default function Home() {
8   const [products, setProducts] = useState([]);
9   const [loading, setLoading] = useState(true);
10
11   useEffect(() => {
12     fetch("https://fakestoreapi.com/products")
13       .then((res) => res.json())
14       .then((data) => {
15         setProducts(data);
16         setLoading(false);
17       });
18   }, [loading]);
19
20   .catch((err) => {
21     console.error("Error fetching products:", err);
22     setLoading(false);
23   });
24
25   if (loading) return <div className="text-center py-10">loading...</div>;
26
27   return (
28     <div className="container mx-auto p-4">
29       <h1 className="text-3xl font-bold mb-6 text-center">Our Products (CSR)</h1>
30       <div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 gap-6 items-stretch">
31         {products.map((product) => (
32           <div key={product.id} className="border rounded-lg p-4 transition duration-300 ease-in-out transform hover:scale-105 hover:shadow-xl hover:border-blue-400 flex flex-col justify-between min-h-[340px]">
33             <img alt={product.image} src={product.image} width={200} height={200} className="w-auto mb-4 object-contain h-48"/>
34             <h2 className="text-lg font-sansbold">{product.title}</h2>
35             <p className="text-gray-600">{product.price}</p>
36           </div>
37         ))}
38       </div>
39     </div>
40   );
41 }
```

The rendered page shows a grid of product cards with the following data:

Product Name	Price
Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops	\$109.95
Mens Casual Premium Slim Fit T-Shirts	\$22.3
Mens Cotton Jacket	\$55.99
Mens Casual Slim Fit	
John Hardy Women's Legends Naga Gold	
Solid Gold Petite Microhwa	

b. SSR

EXPLORER

products > ssr > page.js > ProductsSSR

1 import Image from "next/image";
2 import Link from "next/link";
3
4 async function getProducts() {
5 const res = await fetch("https://fakestoreapi.com/products", {
6 cache: "no-store",
7 });
8 const products = await res.json();
9 return products;
10 }
11
12 export default async function ProductsSSR() {
13 const products = await getProducts();
14
15 return (
16 <div className="container mx-auto p-4">
17 <h1 className="text-3xl font-bold mb-6 text-center">
18 Our Products (SSR)
19 </h1>
20 <div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 gap-6">
21 {products.map(product) => (
22 <Link href={`/product/\${product.id}`} key={product.id}>
23 <div className="border rounded-lg p-4 transition duration-300 ease-in-out transform hover:scale-105 hover:shadow-xl hover:border-blue-400 flex flex-col justify-between min-h-[340px]">
24 <img
25 src={product.image}
26 alt={product.title}
27 width={200}
28 height={200}
29 className="w-auto mb-4 object-contain h-48"
30
31 <h2 className="text-lg font-semibold">{product.title}</h2>
32 <p className="text-gray-600">{product.price}</p>
33 </div>
34 </Link>
35)}
36 </div>
37 </div>
38)
39 }
40

DEV

TERMINAL

PROBLEMS

OUTPUT

PORTS

DEBUG CONSOLE

VS CODE PETS


Live Share

Ln 15, Col 12 · Search: 4 · UTF-8 · CRLF · JavaScript · Go Live · Register

Cihuy Store


Home SSR Products SSG Products

Our Products (SSR)




Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops

\$109.95




Mens Casual Premium Slim Fit T-Shirts

\$22.3




Mens Cotton Jacket


\$55.99



Mens Casual Slim Fit



John Hardy Women's Legends Naga Gold



Solid Gold Petite Microhaze

c. SSG

The image displays a development environment for a Next.js application using Static Site Generation (SSG). The VS Code editor shows the following code in `products/ssg.js`:

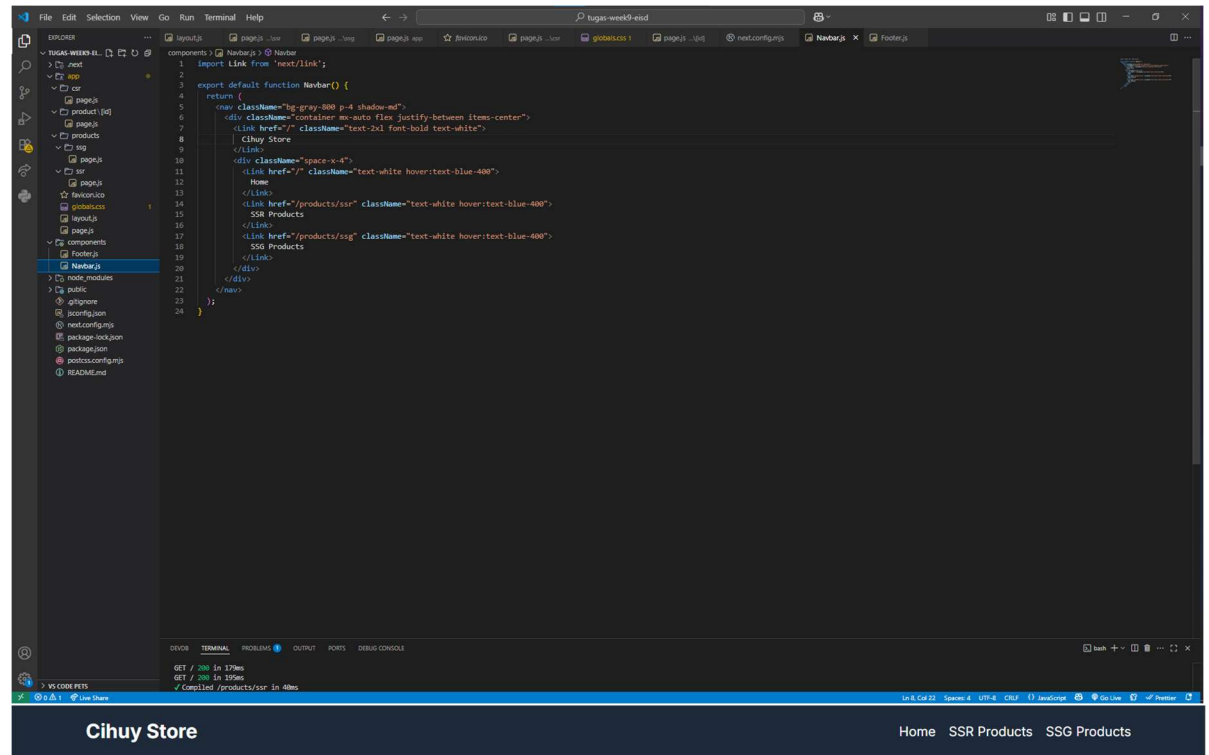
```
1 import Image from "next/image";
2 import Link from "next/link";
3
4 async function getProducts() {
5   const res = await fetch("https://fakestoreapi.com/products", {
6     next: { revalidate: 60 },
7   });
8   const products = await res.json();
9   return products;
10 }
11
12 export default async function ProductsSSG() {
13   const products = await getProducts();
14
15   return (
16     <div className="container mx-auto p-4">
17       <h1 className="text-3xl font-bold mb-6 text-center">
18         Our Products (SSG)
19       </h1>
20       <div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 gap-6">
21         {products.map((product) => (
22           <div key={product.id}>
23             <img
24               src={product.image}
25               alt={product.title}
26               width={200}
27               height={200}
28               className="mx-auto mb-4 object-contain h-48"
29             />
30             <h2 className="text-lg font-semibold">{product.title}</h2>
31             <p className="text-gray-600">${product.price}</p>
32           </div>
33         ))}
34       </div>
35     </div>
36   );
37 }
38
39
40
```

The browser preview at `localhost:3000/products/ssg` shows the rendered page:

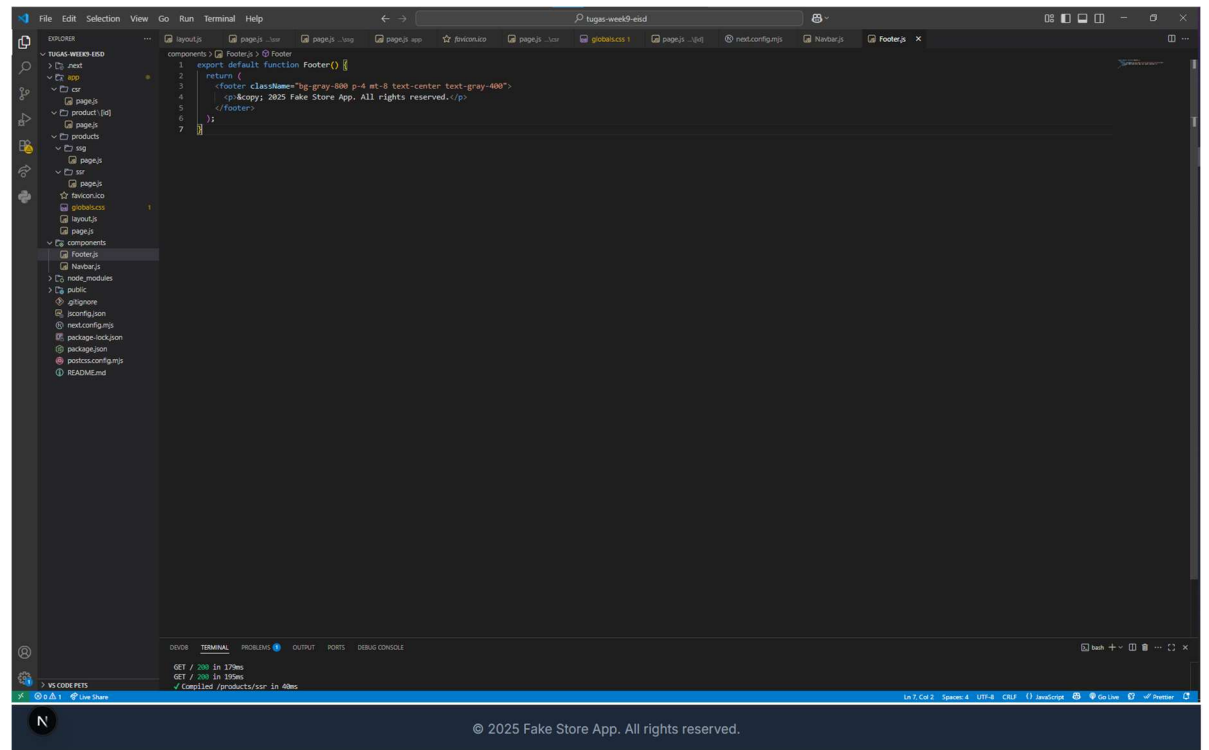
- Header:** Cihuy Store | Home | SSR Products | SSG Products
- Section:** Our Products (SSG)
- Products Grid:**
 - Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops** | \$109.95
 - Mens Casual Premium Slim Fit T-Shirts** | \$22.3
 - Mens Cotton Jacket** | \$55.99
 - Mens Casual Slim Fit** (partially visible)
 - John Hardy Women's Legends Naga Gold** (partially visible)
 - Solid Gold Petite Microhwa** (partially visible)

3. Implmentasi layout global dengan isi navbar dan footer.

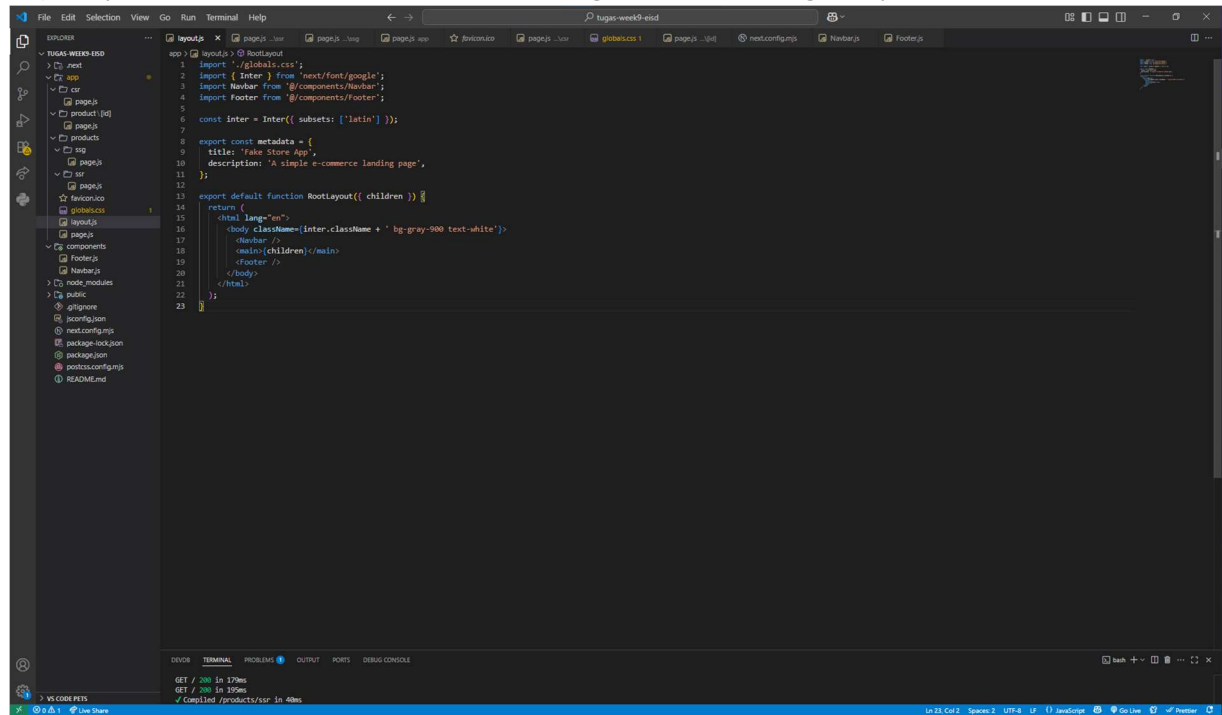
a. Navbar



b. Footer

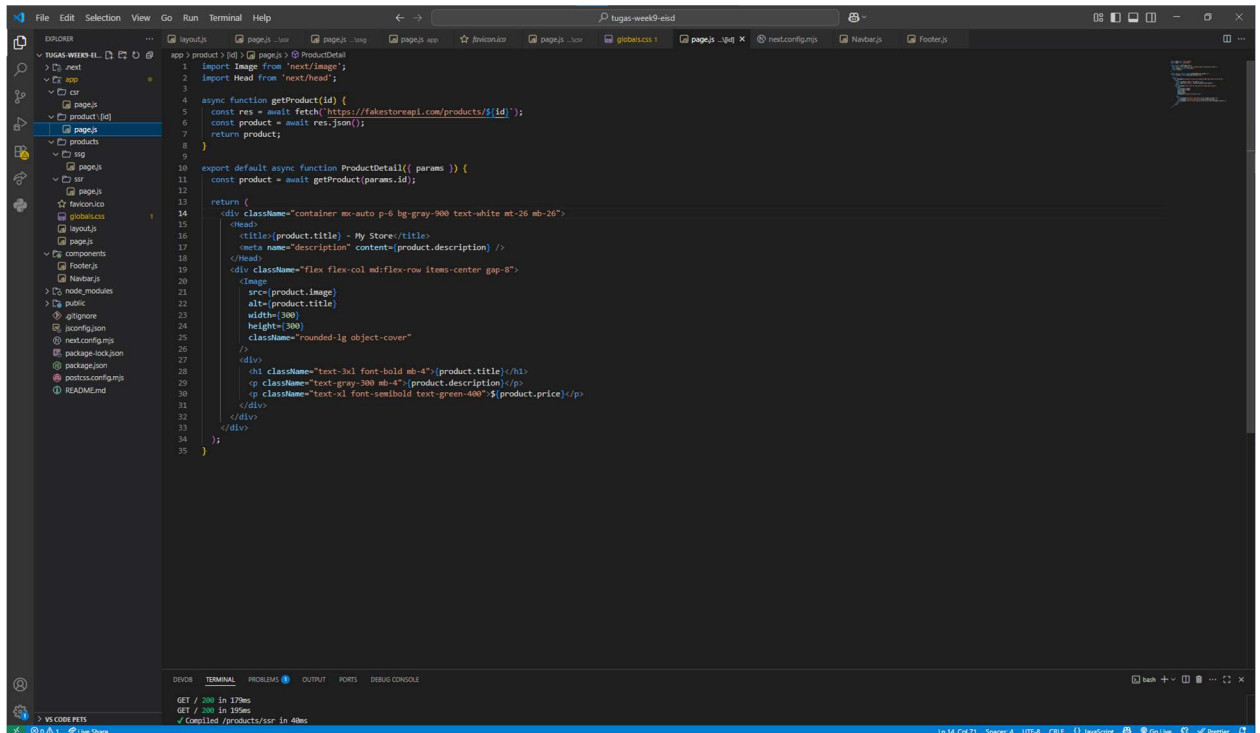


c. Layout (Navbar dan Footer dimasukan kesini agar bisa di akses global)

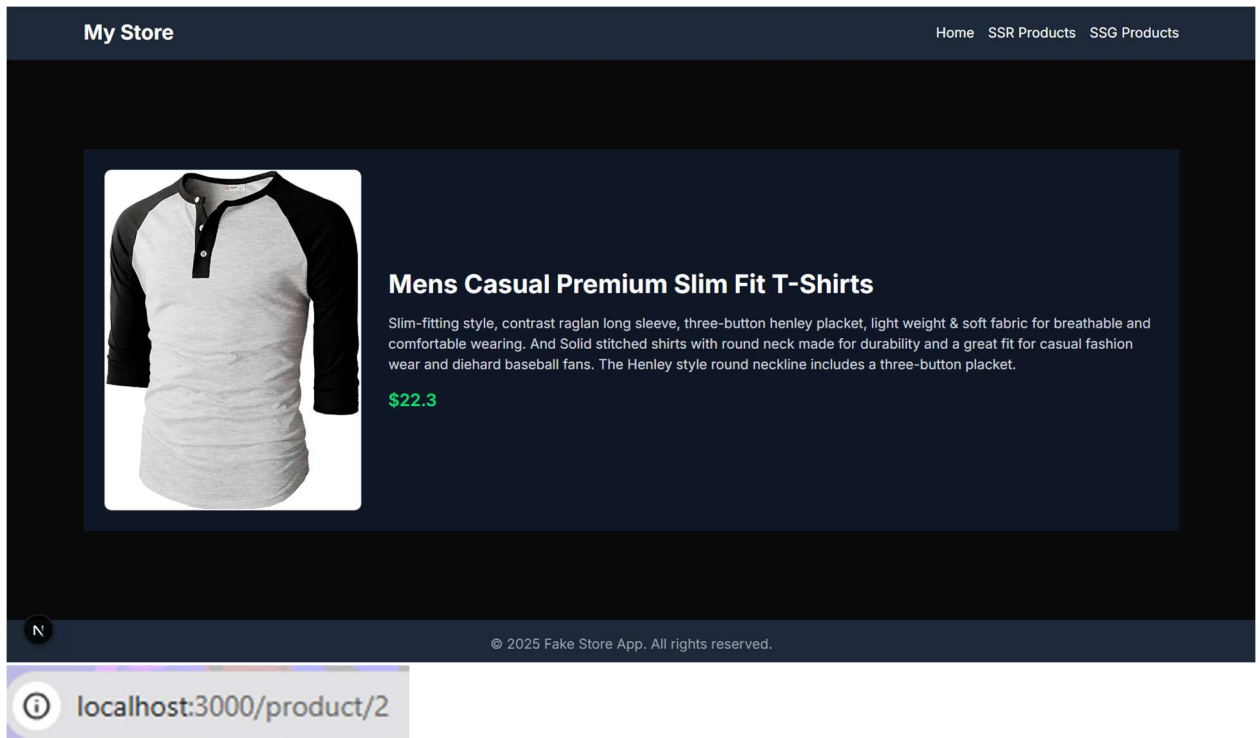


```
1 import {globals} from './globals';
2 import {Inter} from 'next/font/google';
3 import Navbar from './components/Navbar';
4 import Footer from './components/Footer';
5
6 const inter = Inter({ subsets: ['latin'] });
7
8 export const metadata = {
9   title: 'Fake Store App',
10  description: 'A simple e-commerce landing page',
11 };
12
13 export default function RootLayout({ children }) {
14   return (
15     <html lang="en">
16       <body className={inter.className + ' bg-gray-900 text-white'}>
17         <Navbar />
18         <main>
19           <div>
20             <div>
21               <div>
22                 <div>
23                   <div>
```

4. Implementasi juga untuk dynamic routing seperti “/product/[id]” untuk tampilan ke detail produknya



```
1 import Image from 'next/image';
2 import Head from 'next/head';
3
4 async function getProduct(id) {
5   const res = await fetch('https://fakestoreapi.com/products/' + id);
6   const product = await res.json();
7   return product;
8 }
9
10 export default async function ProductDetail({ params }) {
11   const product = await getProduct(params.id);
12
13   return (
14     <div className="container mx-auto p-6 bg-gray-900 text-white mt-26 mb-26">
15       <div>
16         <div>
17           <div>
18             <div>
19               <div>
20                 <div>
21                   <div>
22                     <div>
23                       <div>
24                         <div>
25                           <div>
26                             <div>
27                               <div>
28                                 <div>
29                                   <div>
30                                     <div>
31                                       <div>
32                                         <div>
33                                           <div>
34                                             <div>
35                                             </div>
36                                           </div>
37                                         </div>
38                                       </div>
39                                     </div>
40                                   </div>
41                                 </div>
42                               </div>
43                             </div>
44                           </div>
45                         </div>
46                       </div>
47                     </div>
48                   </div>
49                 </div>
50               </div>
51             </div>
52           </div>
53         </div>
54       </div>
55     </div>
56   );
57 }
```

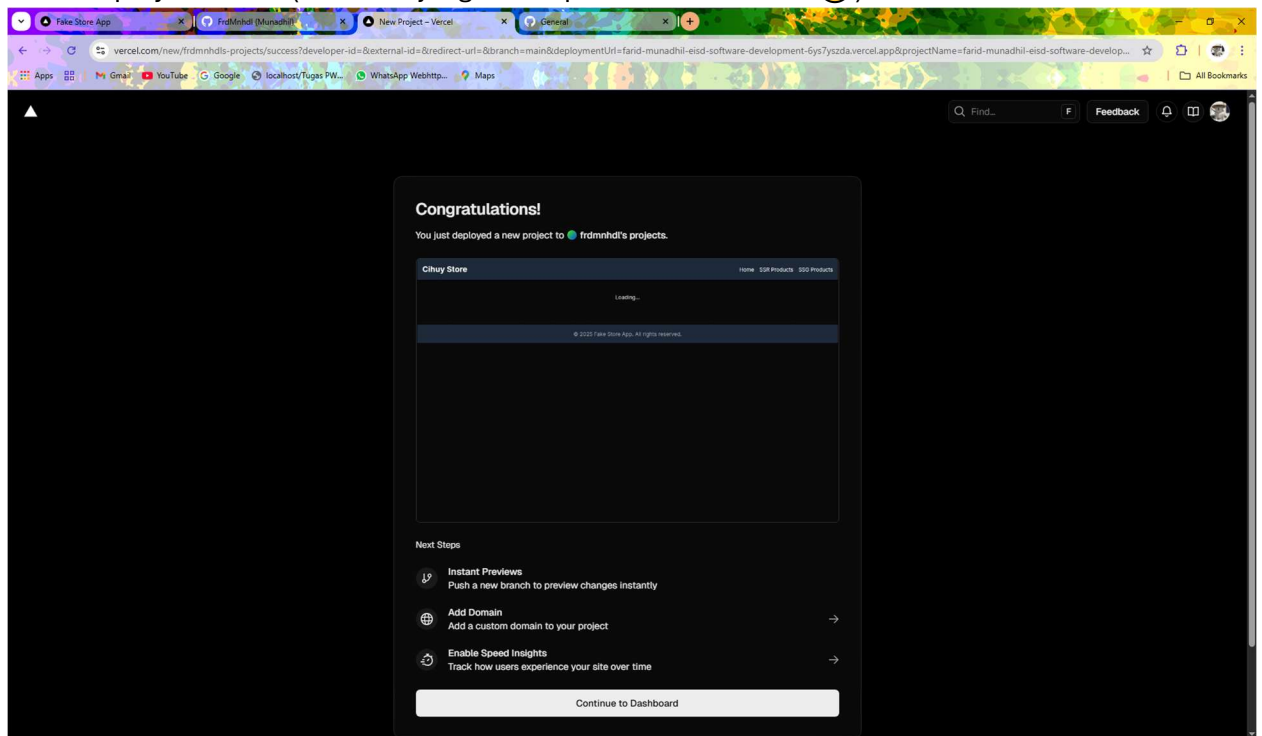


5. Pakai tag image, dan head (bebas di bagian mana)

```
<Image  
  src={product.image}  
  alt={product.title}  
  width={200}  
  height={200}  
  className="mx-auto mb-4 object-contain h-48"  
/>
```

```
<Head>  
  <title>{product.title} - Cihuy Store</title>  
  <meta name="description" content={product.description} />  
</Head>
```


6. Coba deploy ke vercel (Pastikan jangan sampai keluar notfound 😊)



<https://farid-munadhil-eisd-software-develo.vercel.app/>

https://github.com/FrdMnhdl/Farid-Munadhil_EISD_Software-Development.git