



Mata Kuliah : Pemrograman Framework  
Program Studi : D4 – Teknik Informatika  
Semester : 4

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NIM : 2341720165  
Nama : Fandy Wahyu Hanzura  
Jobsheet Ke- : 2

## Laporan Jobsheet

### Praktikum 1

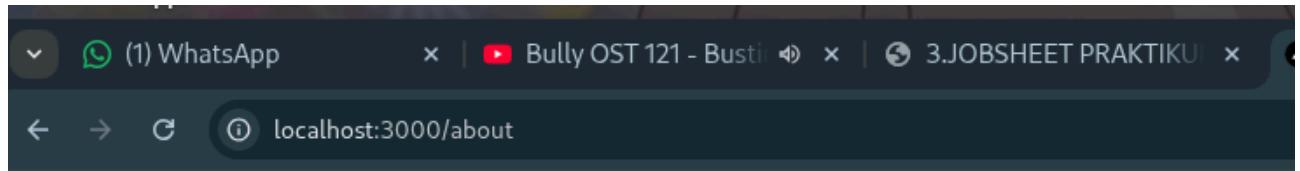
1.

The screenshot shows a code editor interface with the following details:

- File Explorer:** Shows the project structure: `PERTEMUAN02` (containing `my-app`, `.next`, `node_modules`, `public`, `src` with `pages` and `api`, and files like `_app.tsx`, `_document.tsx`, `index.tsx`, `styles`, `.eslintrc.json`, `.gitignore`, `next-env.d.ts`, `next.config.js`, `package-lock.json`, `README.md`, `tsconfig.json`, and `11_Fandy Wahyu Hanzura_Pemrograman...`).
- Code Editor:** Displays the `about.tsx` file content:

```
my-app > src > pages > about.tsx > Home
4 import styles from '@styles/Home.module.css'
5
6 const inter = Inter({ subsets: ['latin'] })
7
8 export default function Home() {
9   return [
10     <div>
11       | <h1>ini halaman about</h1>
12     </div>
13   ]
14 }
```
- Terminal:** Shows the command output:

```
> my-app@0.1.0 dev
> next dev
▶ Next.js 16.1.6 (TurboPack)
- Local: http://localhost:3000
- Network: http://192.168.70.107:3000
```

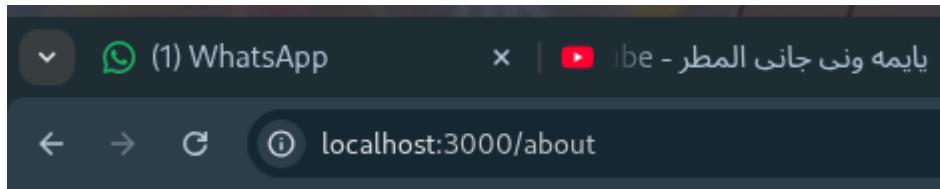


## ini halaman about

- Membuat halaman about dan melakukan pengetesan pada localhost

```
> node_modules
> public
└ src
  └ pages
    └ about
      └ index.tsx
        > api
        └ _app.tsx
        └ _document.tsx
        └ index.tsx
      > styles
      └ .eslintrc.json
      └ .gitignore
      TS next-env.d.ts
      JS next.config.js
```

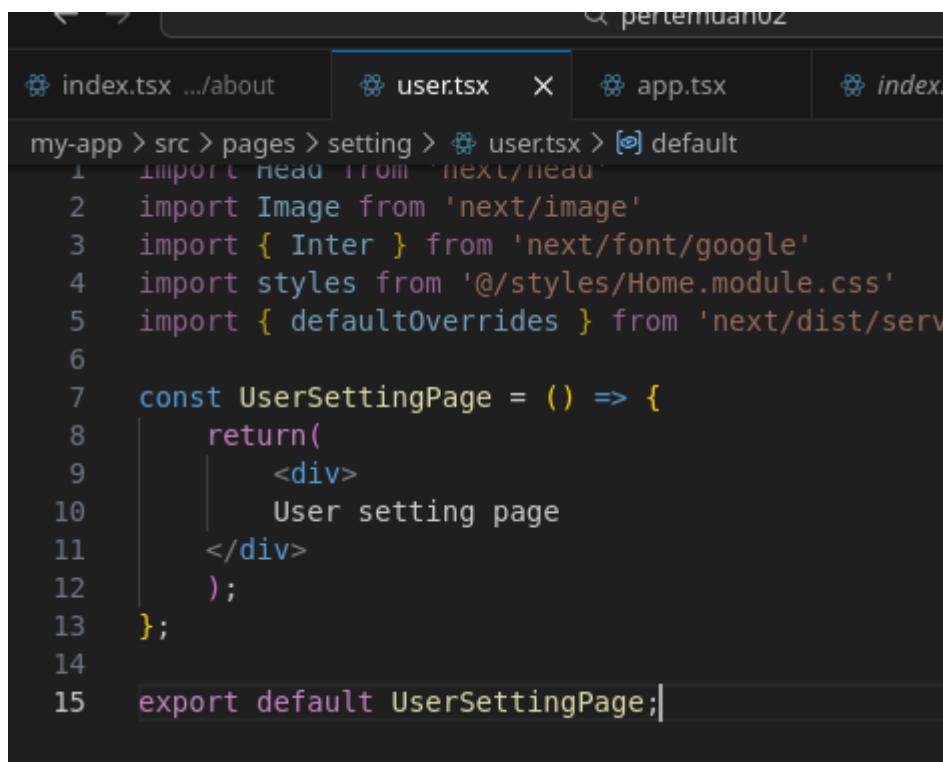
2.



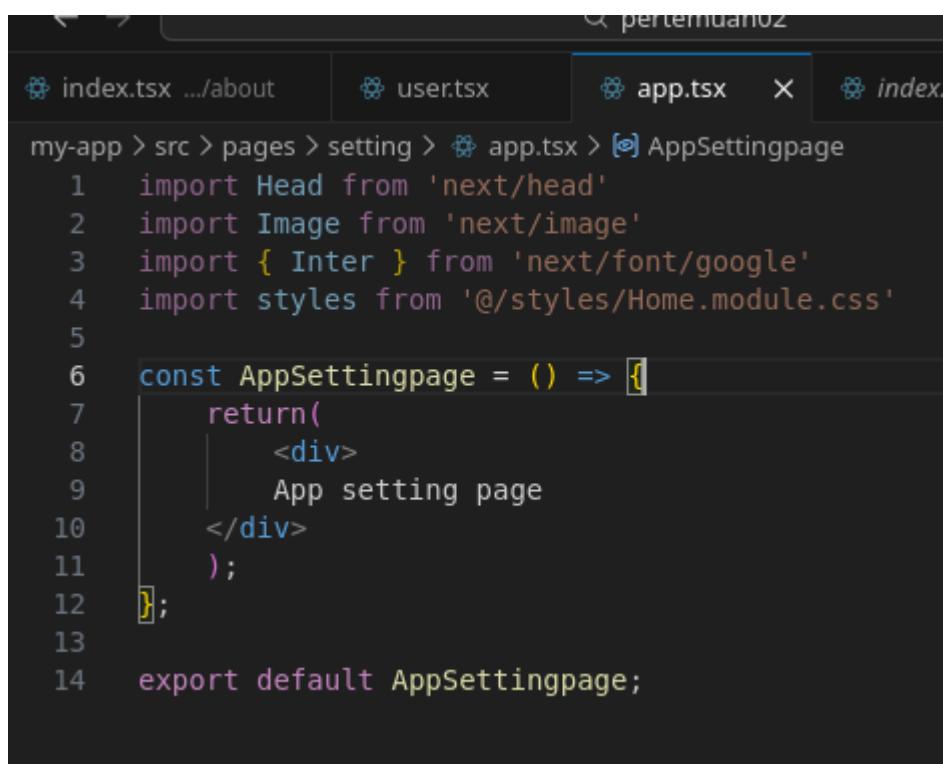
## ini halaman about

- Melakukan routing secara file pada file about.tsx

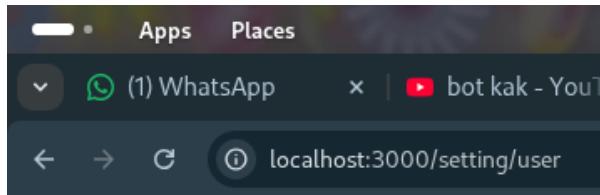
```
3.   ↴ pages
      ↴ about
          ↳ index.tsx
      > api
      ↴ setting
          ↳ app.tsx
          ↳ user.tsx
          ↳ _app.tsx
          ↳ _document.tsx
          ↳ index.tsx
      > styles
```



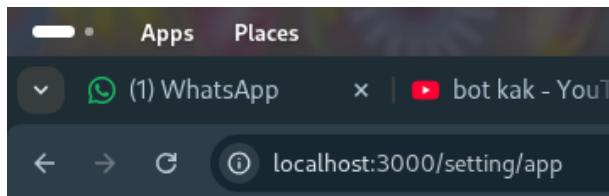
```
my-app > src > pages > setting > user.tsx > [?] default
1 import Head from 'next/head'
2 import Image from 'next/image'
3 import { Inter } from 'next/font/google'
4 import styles from '@/styles/Home.module.css'
5 import { defaultOverrides } from 'next/dist/server/d الدين
6
7 const UserSettingPage = () => {
8     return(
9         <div>
10            User setting page
11        </div>
12    );
13}
14
15 export default UserSettingPage;
```



```
my-app > src > pages > setting > app.tsx > [?] AppSettingpage
1 import Head from 'next/head'
2 import Image from 'next/image'
3 import { Inter } from 'next/font/google'
4 import styles from '@/styles/Home.module.css'
5
6 const AppSettingpage = () => [
7     return(
8         <div>
9             App setting page
10        </div>
11    );
12];
13
14 export default AppSettingpage;
```

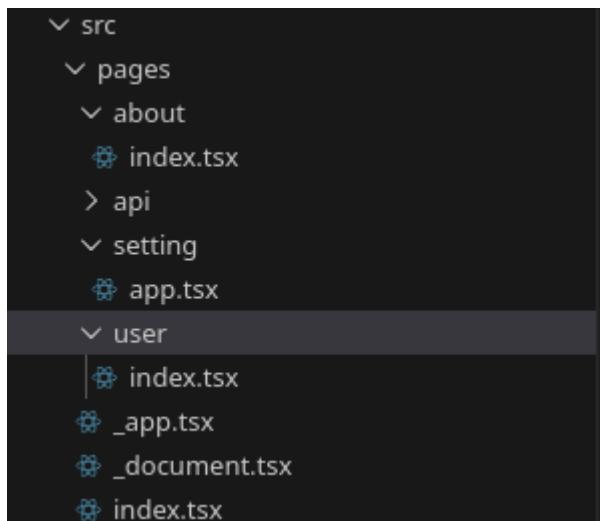


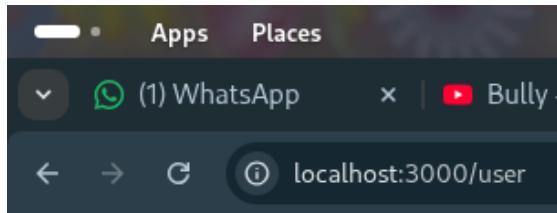
User setting page



App setting page

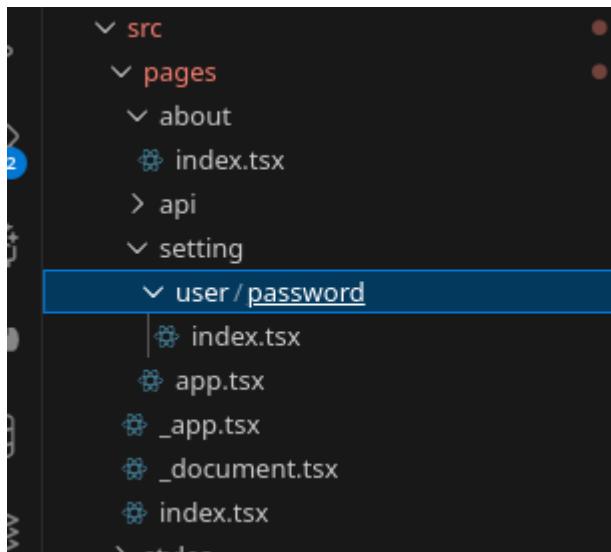
- Melakukan nested route dengan membuat folder baru pada file pages dan ditambahkan folder settings dengan file app dan use

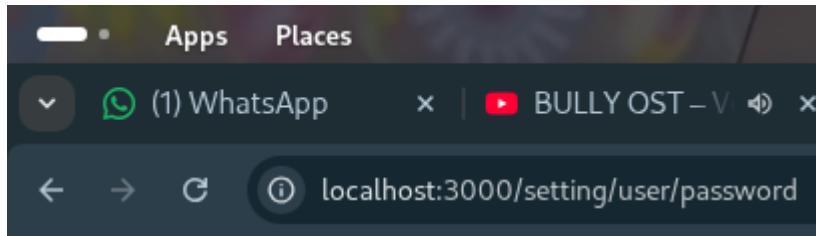




User setting page

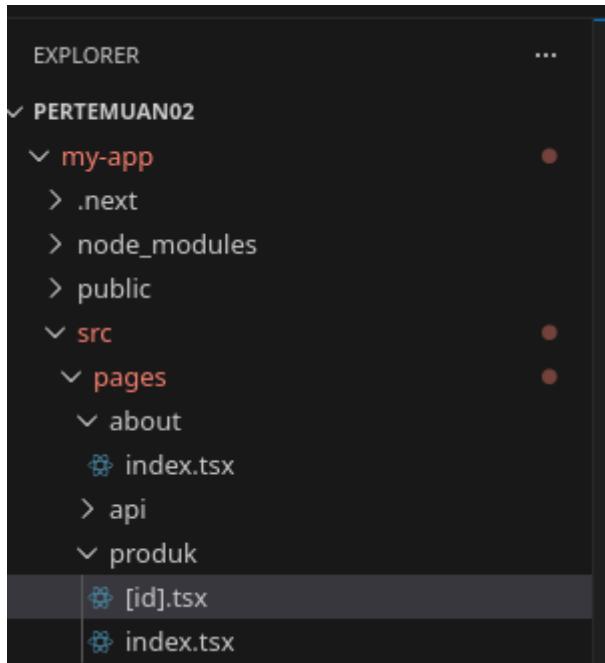
- Melakukan routing dengan membuat folder sendiri untuk user lalu memindah file nya dan direname menjadi tsx dan uji coba dipanggil melalui web





User setting page

- Melakukan nested lebih dalam sehingga mengakses file lebih dalam dan di tes melalui localhost 3000

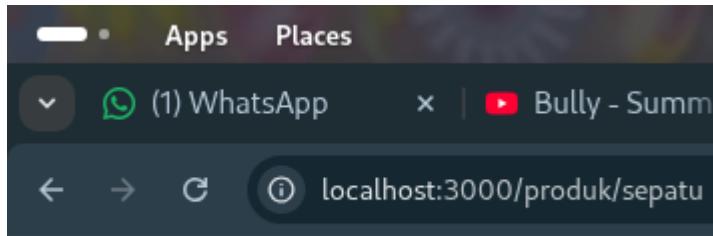


6.



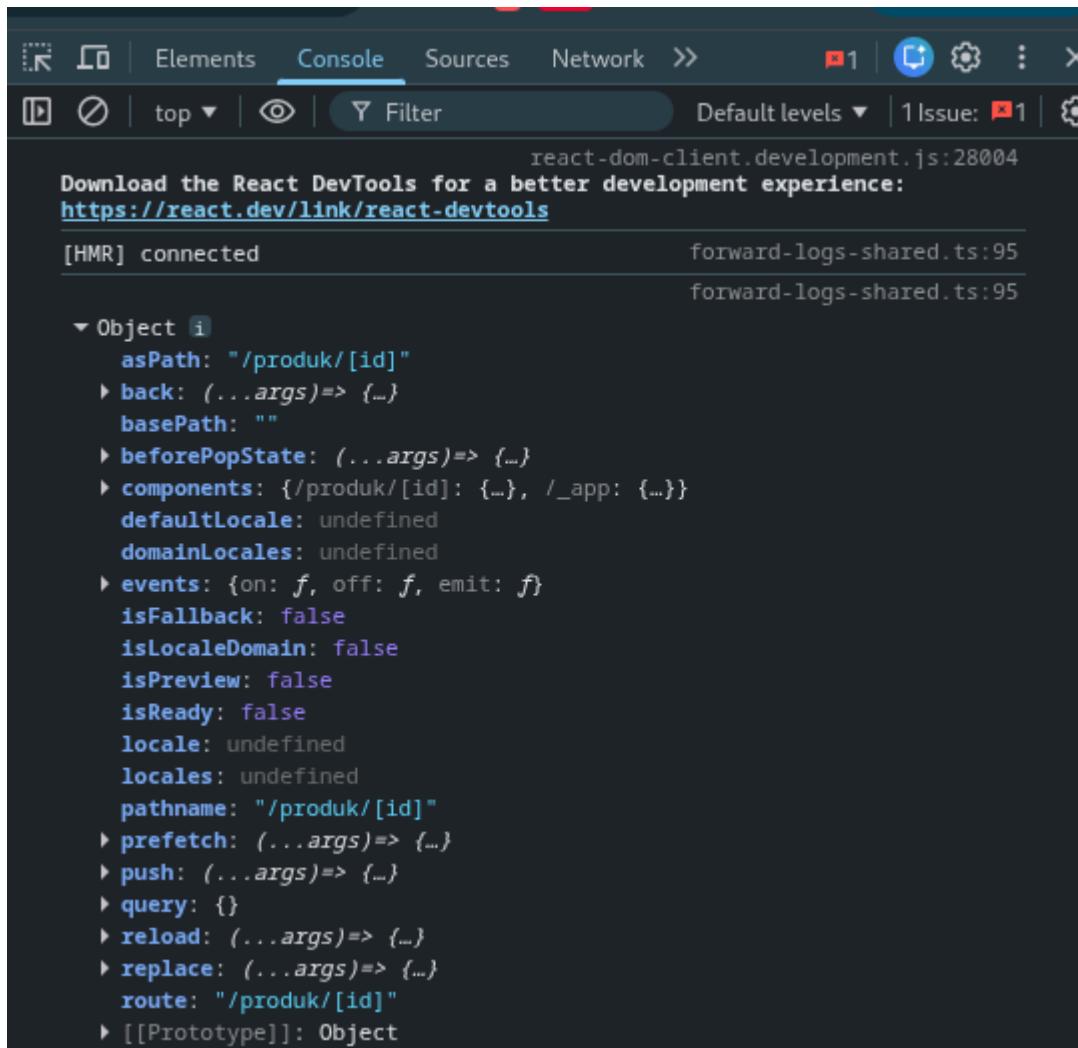
```
[id].tsx index.tsx
my-app > src > pages > produk > index.tsx > default
1  const produk = () => {
2    return (
3      <div>
4        | Produk User Page
5      </div>
6    );
7  };
8  export default produk;
```

```
[id].tsx index.tsx
my-app > src > pages > produk > [id].tsx > HalamanProduk
1  import { useErrorOverlayReducer } from "next/dist/next-devtools/dev-overlay/shared";
2  import { useRouter } from "next/router";
3
4  const HalamanProduk = () => {
5    const Router = useRouter();
6    console.log(Router);
7    const {query} = useRouter();
8    return[
9      <div>
10        | <h1>Halaman produk </h1>
11        | <p>Produk: </p>
12      </div>
13    ];
14  };
15  export default HalamanProduk;
```



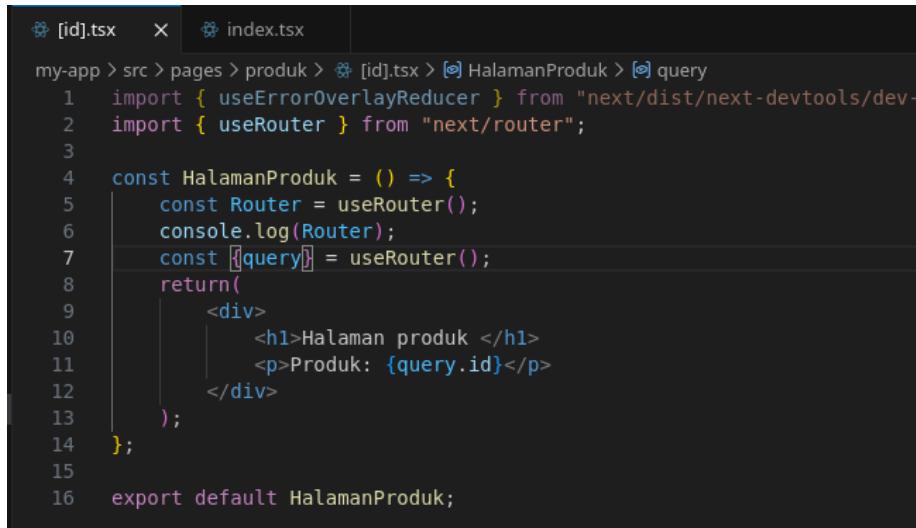
## Halaman produk

Produk:

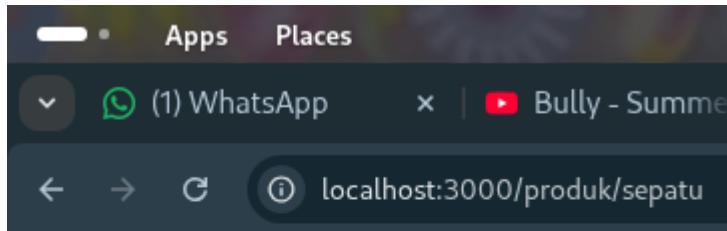




- Membuat folder produk pada halaman page dan membuat file [id].tsx dan index.tsx namun belum dapat menerima id



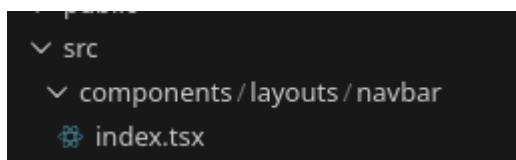
```
my-app > src > pages > produk > [id].tsx > HalamanProduk > query
1 import { useErrorOverlayReducer } from "next/dist/next-devtools/dev-...
2 import { useRouter } from "next/router";
3
4 const HalamanProduk = () => {
5   const Router = useRouter();
6   console.log(Router);
7   const [query] = useRouter();
8   return(
9     <div>
10       <h1>Halaman produk </h1>
11       <p>Produk: {query.id}</p>
12     </div>
13   );
14 }
15
16 export default HalamanProduk;
```



## Halaman produk

Produk: sepatu

- Halaman dapat menerima value sesuai input ketika ditambahkan query.id





```
my-app > src > styles > # globals.css > ...
116 body {
117   overflow-x: hidden;
118 }
119
120
121 a {
122   color: inherit;
123   text-decoration: none;
124 }
125
126 .navbar {
127   width: 100%;
128   height: 60px;
129   background-color: #333;
130   color: white;
131   display: flex;
132   align-items: center;
133   padding: 0 20px;
134 }
135
```

```
my-app > src > pages > index.tsx > Home
1 import Head from 'next/head'
2 import Image from 'next/image'
3 import { Inter } from 'next/font/google'
4 import styles from '@/styles/Home.module.css'
5 import Navbar from '@/components/layouts/navbar'
6
7 const inter = Inter({ subsets: ['latin'] })
8
9 export default function Home() {
10   return (
11     <div>
12       <Navbar />
13       <h1>Praktikum Next.js Pages Router</h1> <br />
14       <p>Mahasiswa D4 Pengembangan Web</p> <br />
15       <button><a href="about"> about me</a></button>
16     </div>
17   )
}
```



Navbar Component

# Praktikum Next.js Pages Router

Mahasiswa D4 Pengembangan Web

about me

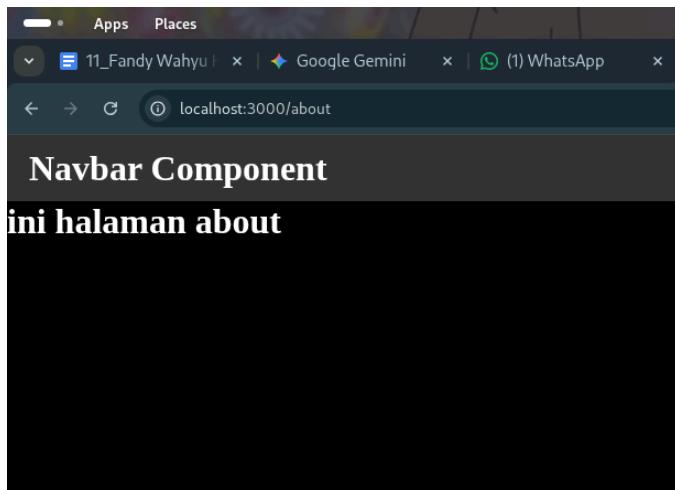
- melakukan edit pada css yakni untuk menampilkan navbar serta melakukan update pada kolom utama dengan import css hal yang sama pula dilakukan pada halaman navbar sehingga muncul navbar seperti pada gambar



```
my-app > src > pages > index.tsx .../navbar U # globals.css M index.t
my-app > src > pages > index.tsx > ...
1 import Head from 'next/head'
2 import Image from 'next/image'
3 import { Inter } from 'next/font/google'
4 import styles from '@/styles/Home.module.css'
5 // import Navbar from '@/components/layouts/navbar'
6
7 const inter = Inter({ subsets: ['latin'] })
8
9 export default function Home() {
10   return (
11     <div>
12       {/* <Navbar /> */}
13       <h1>Praktikum Next.js Pages Router</h1> <br />
14       <p>Mahasiswa D4 Pengembangan Web</p> <br />
15       <button><a href="about"> about me</a></button>
16     </div>
17   )
18 }
19
```

8.

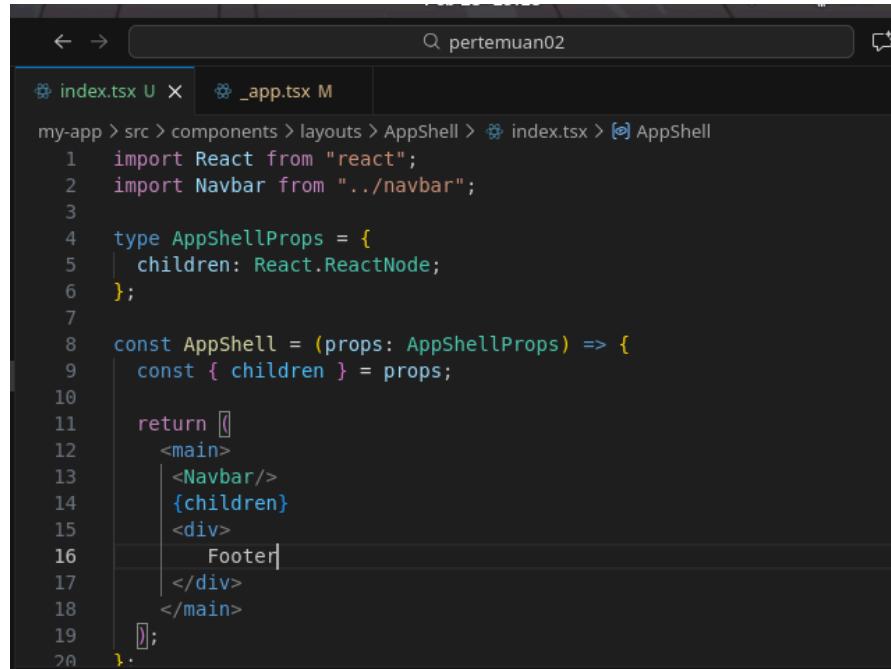
```
my-app > src > pages > _app.tsx > App
1 import '@/styles/globals.css'
2 import type { AppProps } from 'next/app'
3 import '@/styles/globals.css'
4 import Navbar from '@/components/layouts/navbar'
5
6 export default function App({ Component, pageProps }: AppProps) [
7   return <div>
8     <Navbar />
9     <Component {...pageProps} />
10    </div>
11  ]
12
```



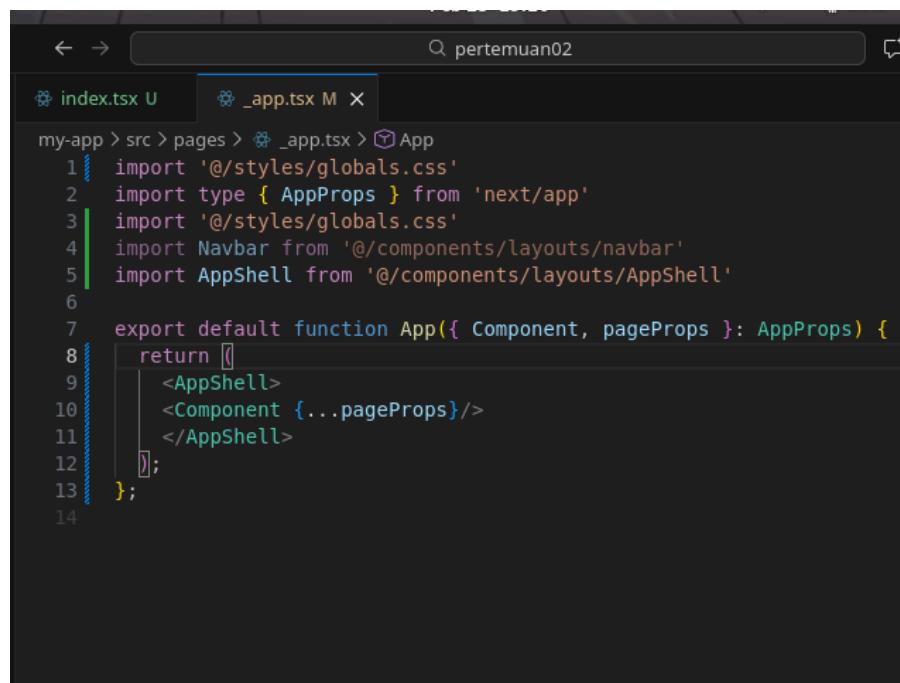


- Menghapus navbar pada index page dan menerapkan pada routing file \_app sehingga setiap page akan memiliki navbar

9.



```
my-app > src > components > layouts > AppShell > index.tsx > AppShell
1 import React from "react";
2 import Navbar from "../navbar";
3
4 type AppShellProps = {
5   children: React.ReactNode;
6 };
7
8 const AppShell = (props: AppShellProps) => {
9   const { children } = props;
10
11   return [
12     <main>
13       <Navbar/>
14       {children}
15     <div>
16       Footer
17     </div>
18     </main>
19   ];
20};
```



```
my-app > src > pages > _app.tsx > App
1 import '@/styles/globals.css'
2 import type { AppProps } from 'next/app'
3 import '@/styles/globals.css'
4 import Navbar from '@/components/layouts/navbar'
5 import AppShell from '@/components/layouts/AppShell'
6
7 export default function App({ Component, pageProps }: AppProps) {
8   return [
9     <AppShell>
10       <Component {...pageProps}/>
11     </AppShell>
12   ];
13}
```



Apps Places

Google Gemini 11\_Fandy Wahyu Hanzura

localhost:3000

# Navbar Component

## Praktikum Next.js Pages Router

Mahasiswa D4 Pengembangan Web

about me

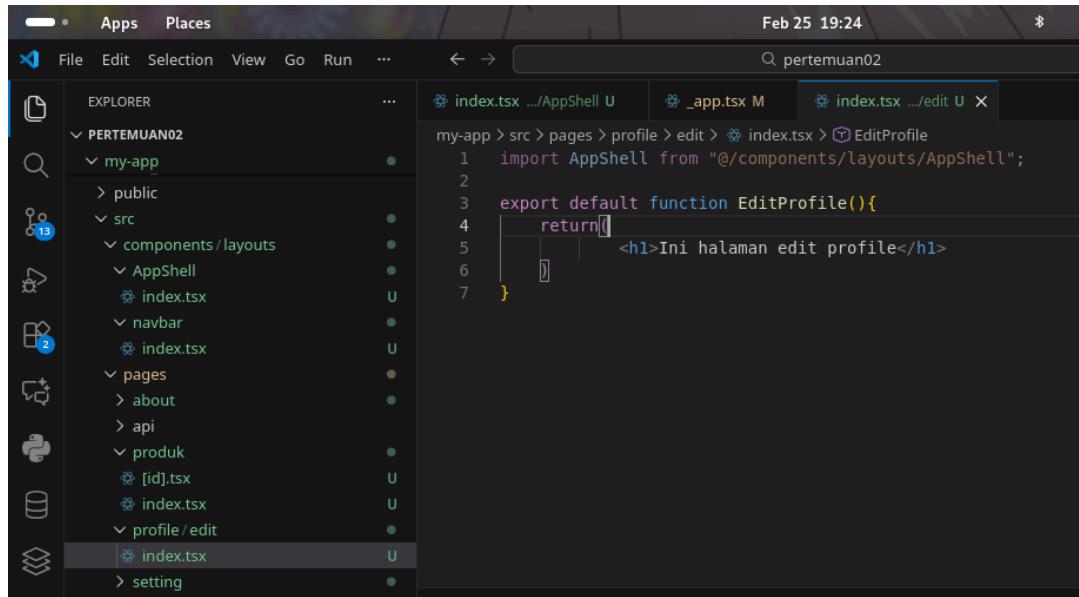
Footer

- Melakukan penambahan layout dari appshell secara otomatis sehingga hanya memanggil satu tanpa harus panggil navbar

## Tugas Praktikum

Tugas 1:

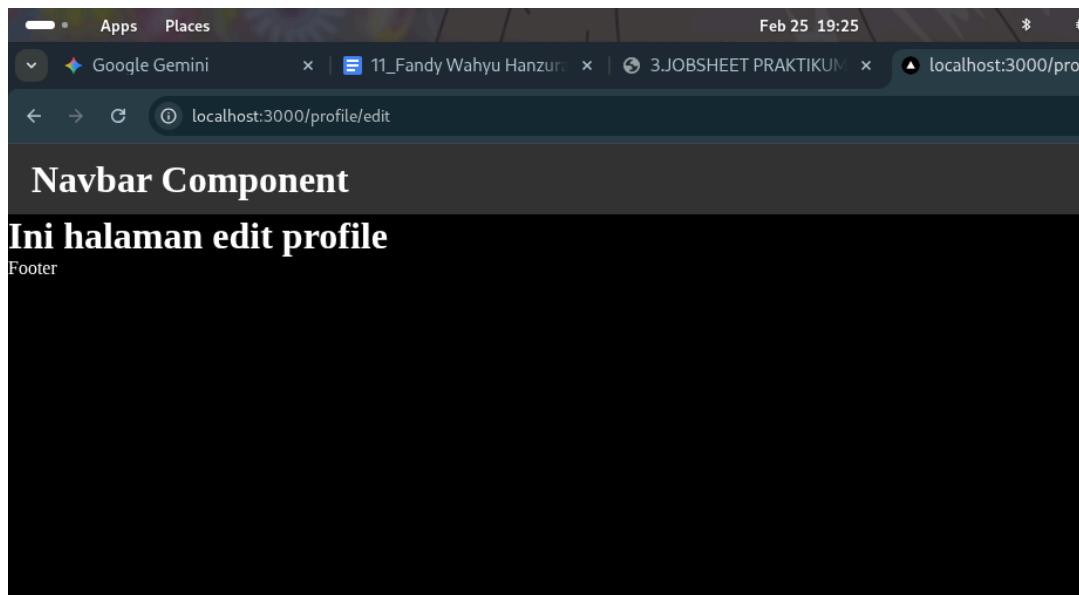
- /profile/edit



```
Feb 25 19:24
pertemuan02

File Edit Selection View Go Run ...
index.tsx .../AppShell U _app.tsx M index.tsx .../edit U X

my-app > src > pages > profile > edit > index.tsx > EditProfile
1 import AppShell from "@/components/layouts/AppShell";
2
3 export default function EditProfile(){
4     return(
5         <h1>Ini halaman edit profile</h1>
6     )
7 }
```



Feb 25 19:25

localhost:3000/profile/edit

## Navbar Component

Ini halaman edit profile

Footer

Tugas 2:

- /blog/[slug]



The screenshot shows a code editor interface with a dark theme. On the left is the file explorer, which lists a project structure under 'PERTEMUAN02'. The 'src' folder contains 'components/layouts', 'pages', and 'blog'. The 'blog' folder contains files: '[slug].tsx' (selected), 'blog.tsx', 'produk', '[id].tsx', and 'index.tsx'. The right pane shows the content of '[slug].tsx'. The code is a Next.js page component:

```
my-app > src > pages > blog > [slug].tsx > BlogPages
1 import { useErrorOverlayReducer } from "next/dist/next-devt
2 import { useRouter } from "next/router";
3
4 export default function BlogPages() {
5   const Router = useRouter();
6   const {query} = useRouter();
7   return(
8     <div>
9       <h1>Ini adalah halaman blog </h1>
10      <p>Slug: {query.slug}</p>
11    </div>
12  )
13}
```

The screenshot shows a browser window with multiple tabs. The active tab is 'localhost:3000/blog/jurnal'. The page content is:

## Navbar Component

### Ini adalah halaman blog

Slug: jurnal  
Footer

Tugas 3:

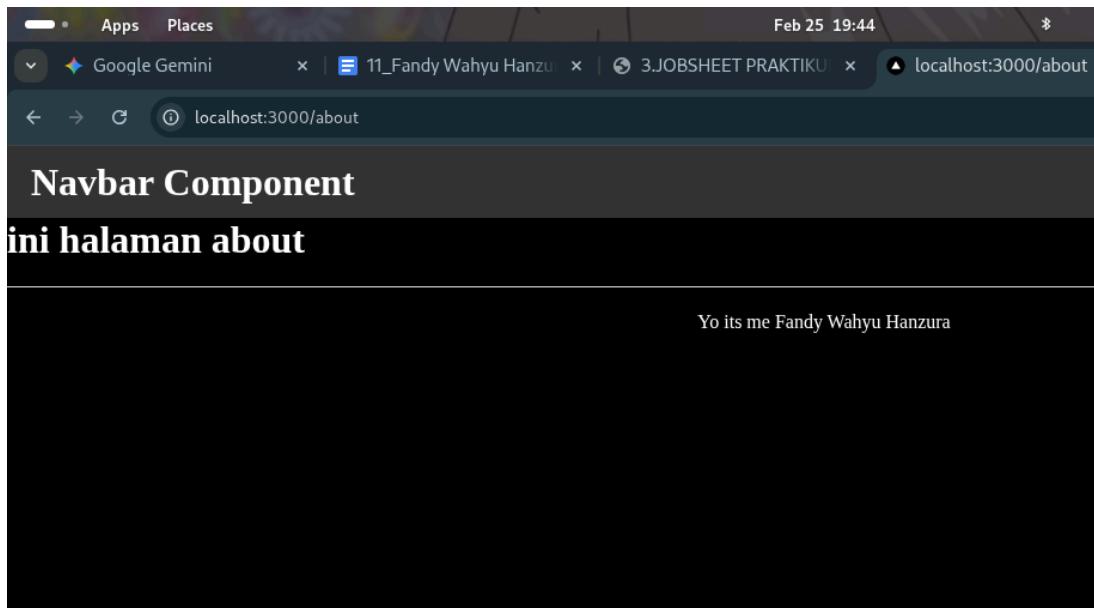
- Menambahkan footer pada Appshell



The screenshot shows a code editor interface with a dark theme. On the left is a file explorer window titled "EXPLORER" showing the directory structure of a Next.js project named "PERTEMUAN02". The "src" folder contains "components/layouts", "AppShell", and "index.tsx", which is currently selected. Other files like "blog.tsx", "[slug].tsx", and "[id].tsx" are also listed. On the right is a code editor window with three tabs: "blog.tsx", "[slug].tsx", and "index.tsx". The "index.tsx" tab is active, displaying the following code:

```
my-app > src > components > layouts > AppShell > index.tsx > AppShell
6  };
7
8  export default function AppShell(props: AppShellProps) {
9    const { children } = props;
10
11   return (
12     <main>
13       <Navbar/>
14       {children}
15     <div>
16       <footer style={[
17         |   textAlign: 'center',
18         |   padding: '20px',
19         |   borderTop: '1px solid #ddd',
20         |   marginTop: '20px'
21       }]>
22         <p>Yo its me Fandy Wahyu Hanzura</p>
23       </footer>
24     </div>
25   </main>
```

The screenshot shows a browser window with the URL "localhost:3000". The page title is "Navbar Component" and the subtitle is "Praktikum Next.js Pages Router". Below the title, it says "Mahasiswa D4 Pengembangan Web". There is a button labeled "about me". At the bottom of the page, the text "Yo its me Fandy Wahyu Hanzura" is displayed.



## Pertanyaan Refleksi

### 1. Apa perbedaan routing berbasis file dan routing manual?

- Routing berbasis file adalah dengan mengarahkan langsung ke dalam halaman page directory yang ada, jika routing manual adalah mengarahkan pada file yang ada dan harus menambahkan deklarasi pemanggilan sebagai apa

### 2. Mengapa dynamic routing penting dalam aplikasi web?

- Untuk efisiensi pada penggerjaan karena ketika memiliki ratusan tab cukup tinggal mengarahkan pada file yang ada sehingga lebih mudah dalam manajemen

### 3. Apa keuntungan menggunakan layout global dibanding memanggil komponen satu per satu?

- Jika menggunakan layout global maka cukup dibutuhkan satu perubahan layout yakni pada induk sehingga tidak akan menyulitkan dalam manajemen pekerjaan



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