



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

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Jobsheet Ke- : 2

Laporan Jobsheet

Praktikum 1

1.

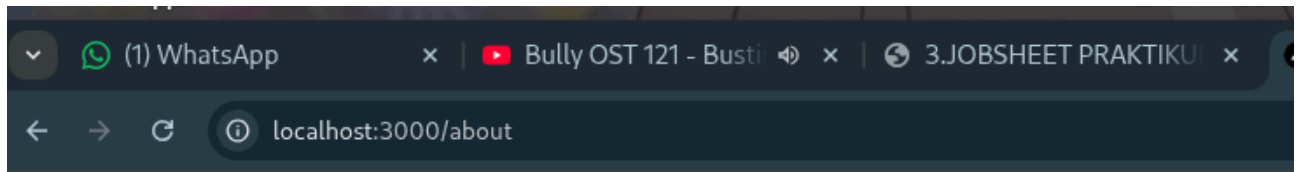
The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure for 'PERTEMUAN02' with a 'my-app' directory containing 'pages' and 'styles' subdirectories. The 'pages' directory contains 'api', '_app.tsx', '_document.tsx', 'about.tsx', and 'index.tsx'. The 'styles' directory contains 'eslintrc.json', '.gitignore', 'next-env.d.ts', 'next.config.js', 'package-lock.json', 'package.json', 'README.md', and 'tsconfig.json'. The code editor shows the content of 'about.tsx', which includes a React component 'Home' that renders a heading 'ini halaman about'. The terminal at the bottom shows the command 'next dev' being executed, and the output indicates that the application is running on 'http://localhost:3000'.

```
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 }
15
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

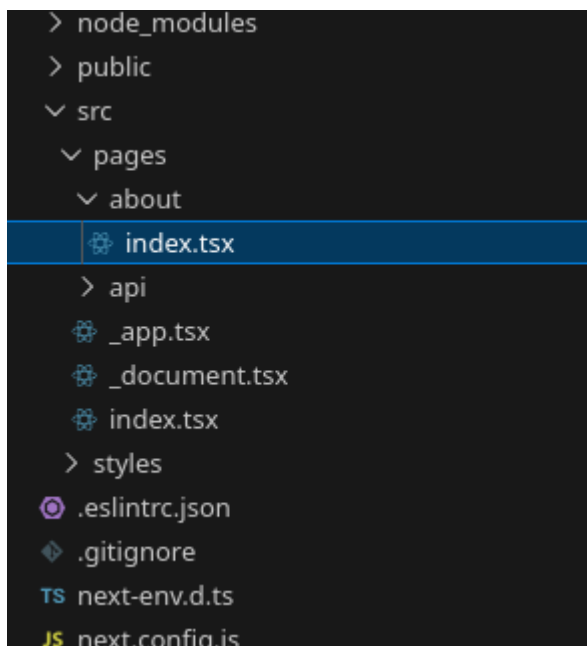
```
> my-app@0.1.0 dev
> next dev

▲ Next.js 16.1.6 (Turbopack)
- Local:    http://localhost:3000
- Network:  http://192.168.70.107:3000
```

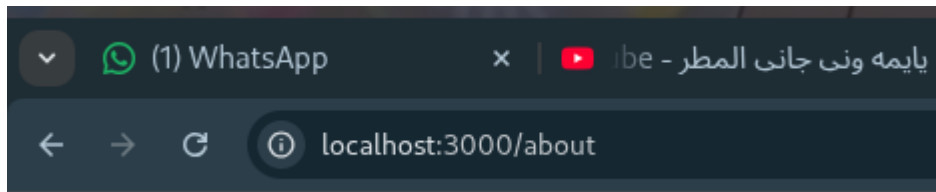


ini halaman about

- Membuat halaman about dan melakukan pengetesan pada localhost

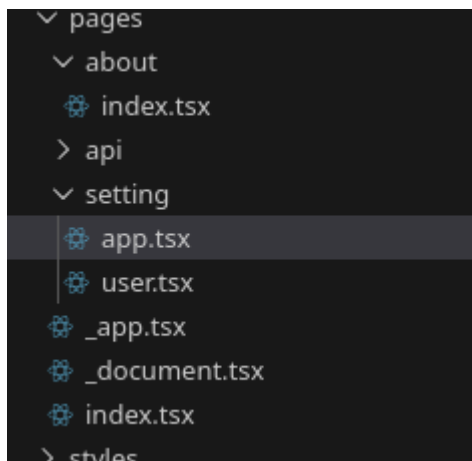


2.



ini halaman about

- Melakukan routing secara file pada file about.tsx

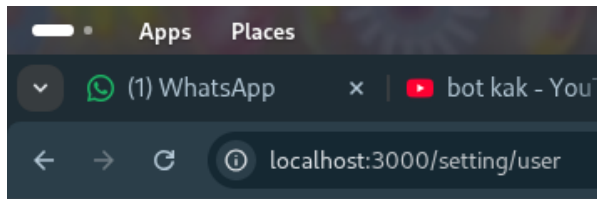


3.

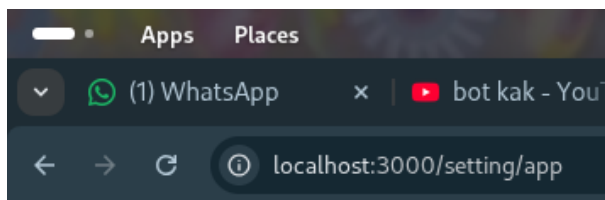


```
index.tsx .../about  user.tsx  app.tsx  index.tsx
my-app > src > pages > setting > user.tsx > default
1  import Head from 'next/head'
2  import Image from 'next/image'
3  import { Inter } from 'next/font/google'
4  import styles from '@styles/Home.module.css'
5  import { defaultOverrides } from 'next/dist/server'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

```
index.tsx .../about  user.tsx  app.tsx  index.tsx
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;
```

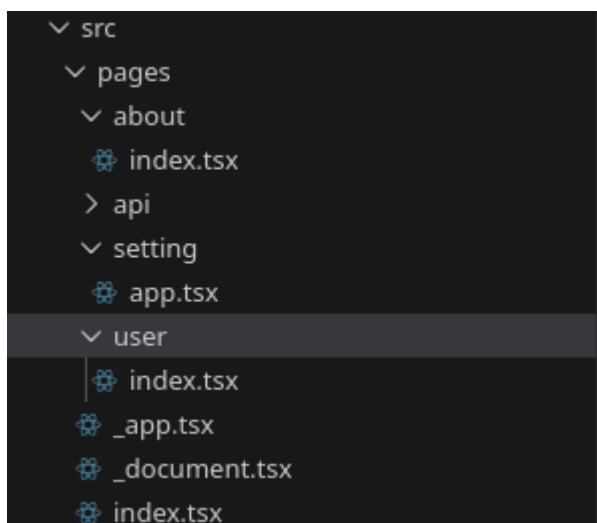


User setting page

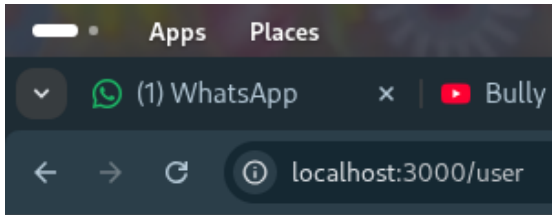


App setting page

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

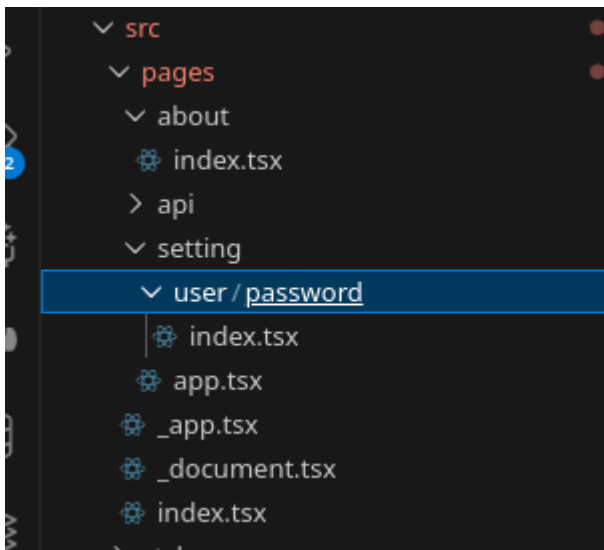


4.

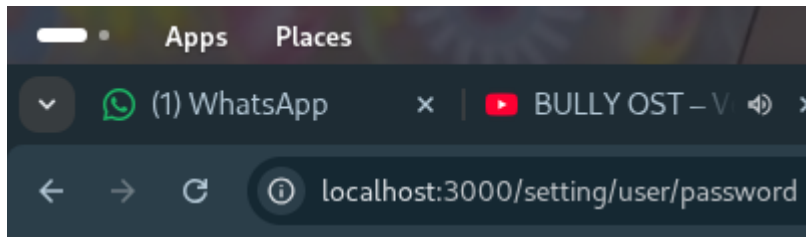


User setting page

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

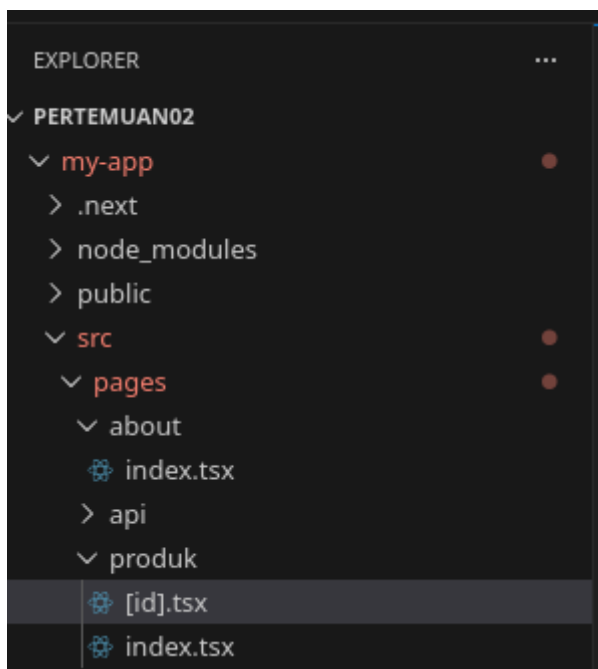


5.



User setting page

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

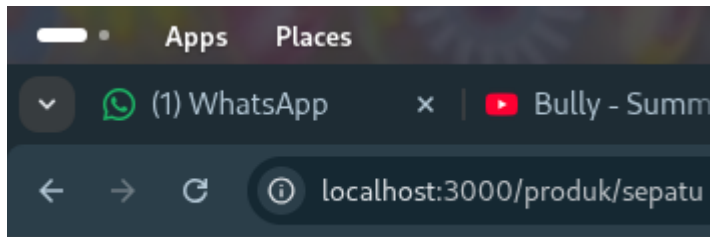


6.



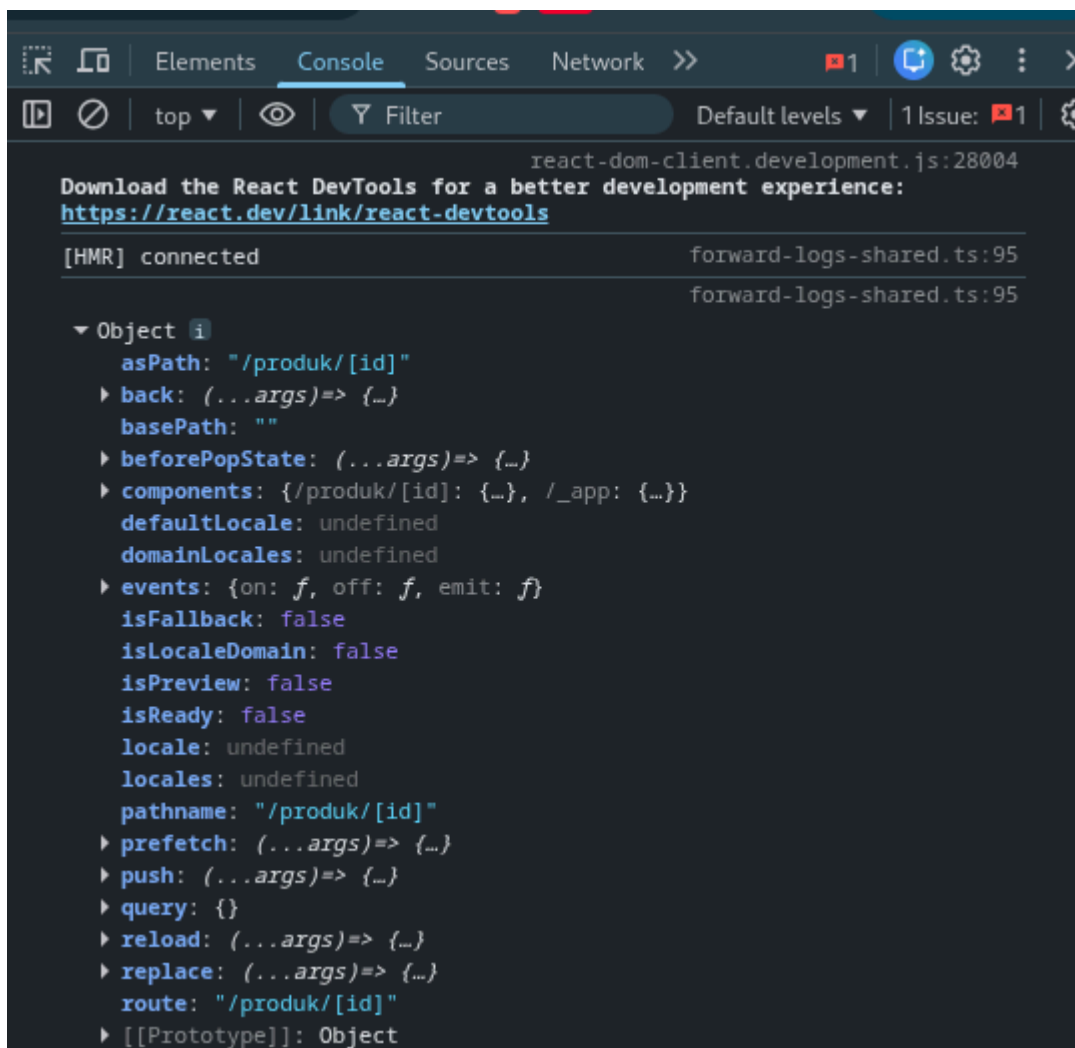
```
[id].tsx  index.tsx X
my-app > src > pages > produk > index.tsx > default
1  const produk = () => {
2    return (
3      <div>
4        Produk User Page
5      </div>
6    );
7  };
8
9  export default produk;
```

```
[id].tsx  X  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
16 export default HalamanProduk;
```

Halaman produk

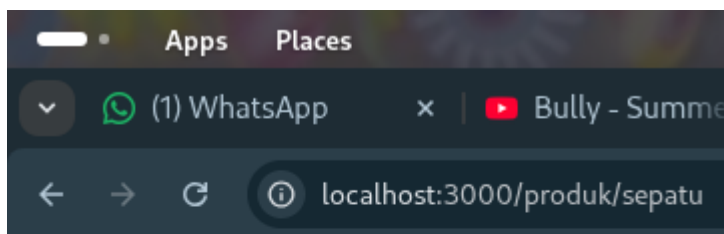
Produk:





- 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 > [query] 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;
```

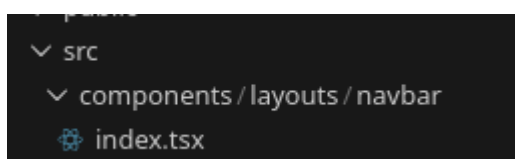


Halaman produk

Produk: sepatu

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

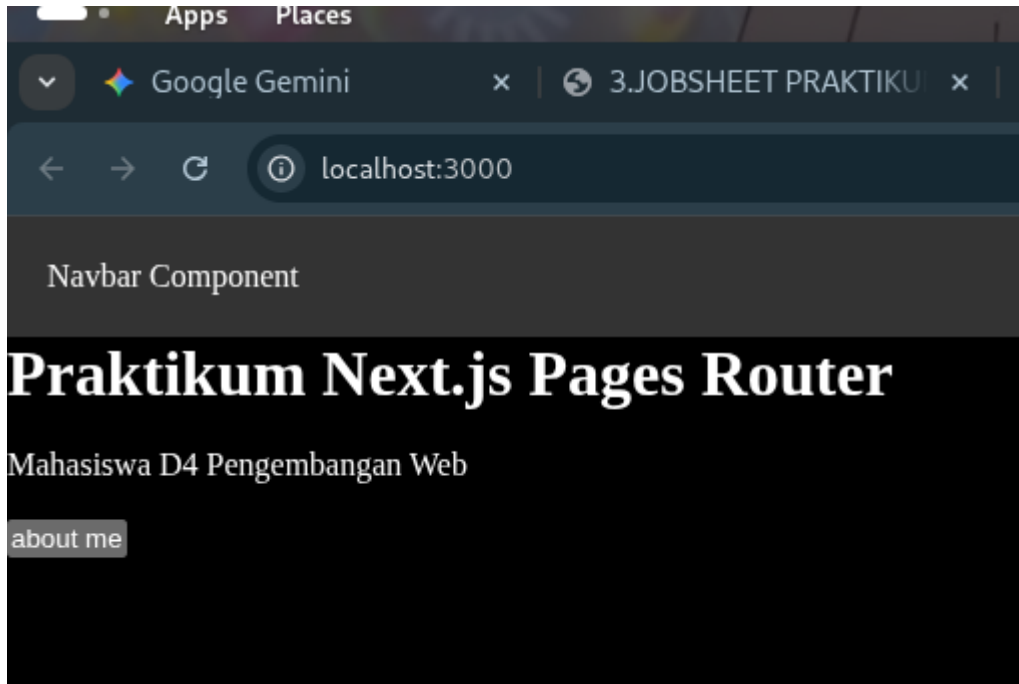
7.





```
[id].tsx U  index.tsx .../navbar U  # globals.css M X  index.t
ny-app > src > styles > # globals.css > ...
16  body {
17      overflow-x: hidden;
18  }
19
20
21  a {
22      color: inherit;
23      text-decoration: none;
24  }
25
26  .navbar {
27      width: 100%;
28      height: 60px;
29      background-color: #333;
30      color: white;
31      display: flex;
32      align-items: center;
33      padding: 0 20px;
34  }
35
```

```
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      )
18  }
```



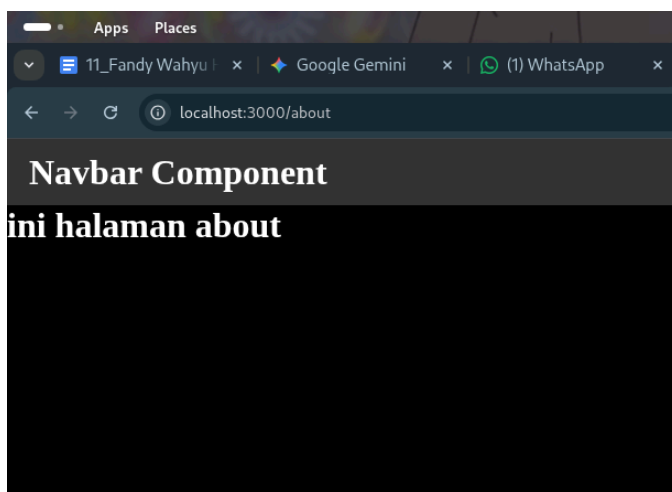
- melakukan edit pada css yakni untuk menampilkan navbar serta melakukan update pada kolom utama dengan import css hal yang sama pula dilakukan pada halaman navbar sehingga muncul navbar seperti pada gambar



8.

```
[id].tsx U  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
```

```
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
```



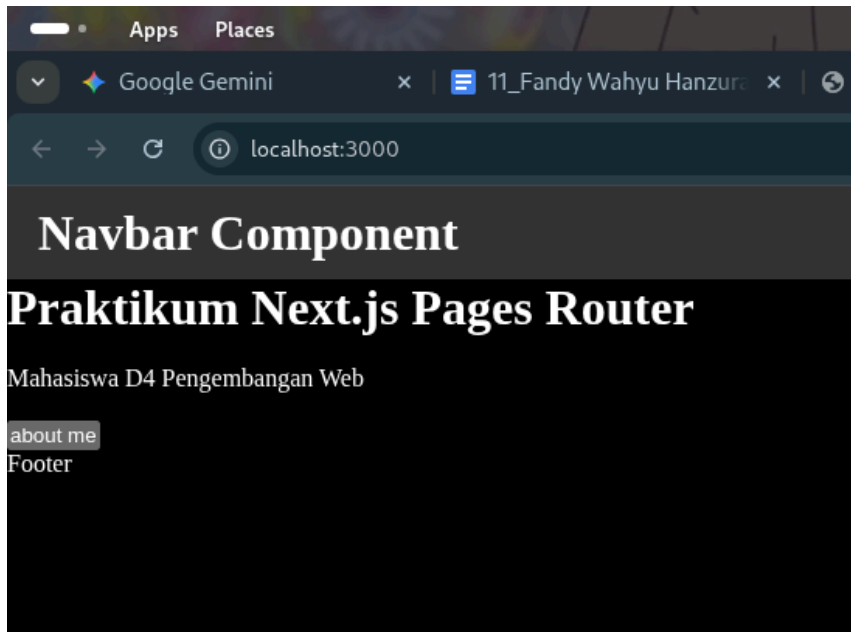


- Menghapus navbar pada index page an menerapkan pada routing file _app sehingga setiap page akan memiliki navbar

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  };
```



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

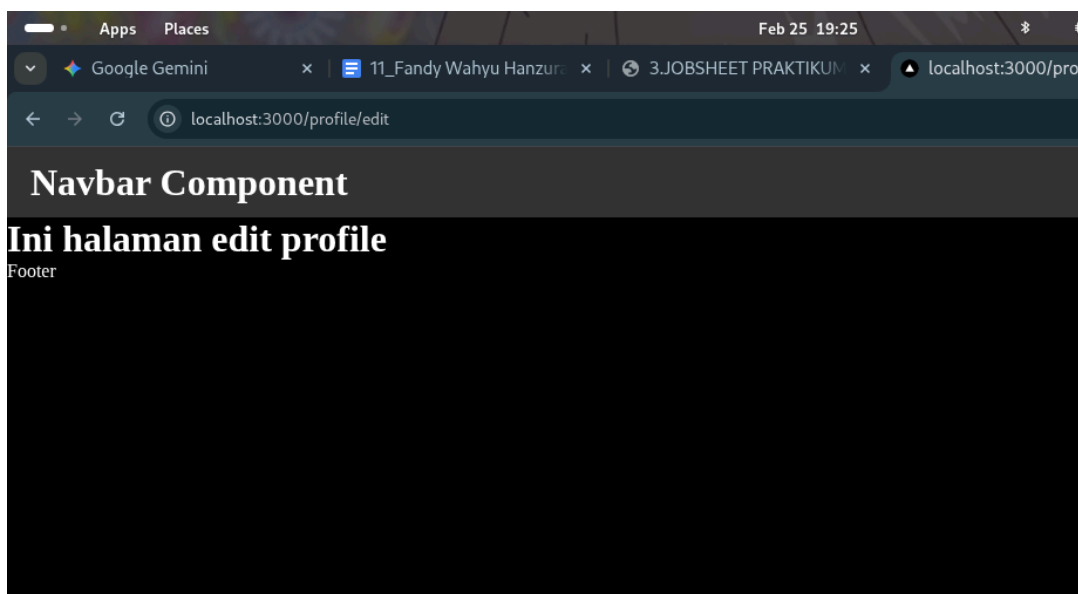
Tugas Praktikum

Tugas 1:

- /profile/edit



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

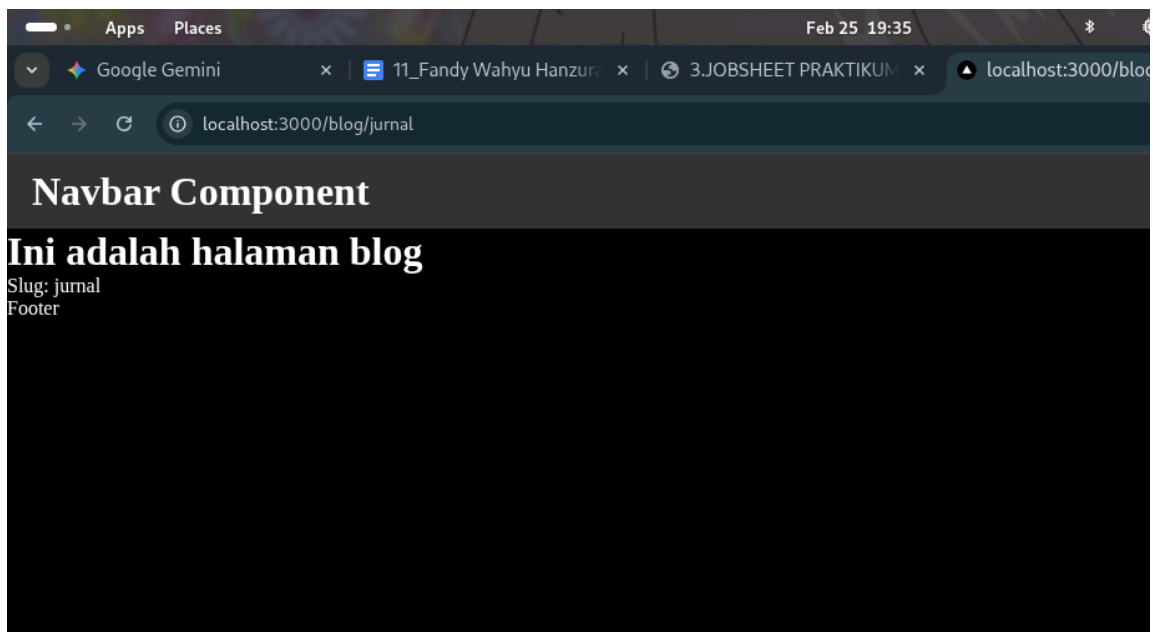


Tugas 2:

- /blog/[slug]



```
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  }
```

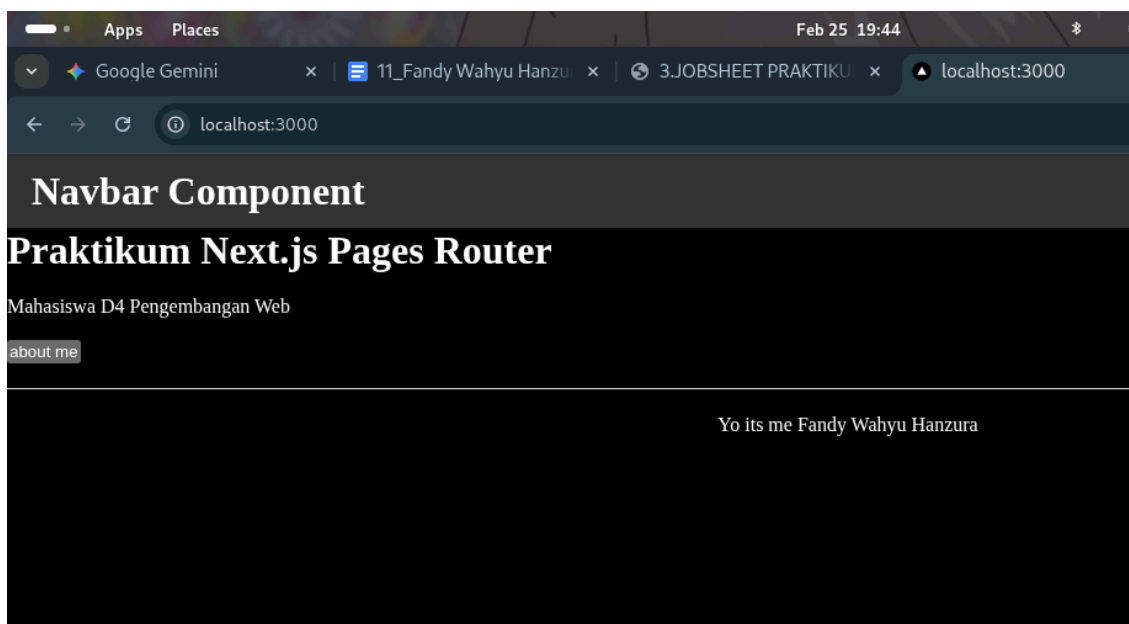


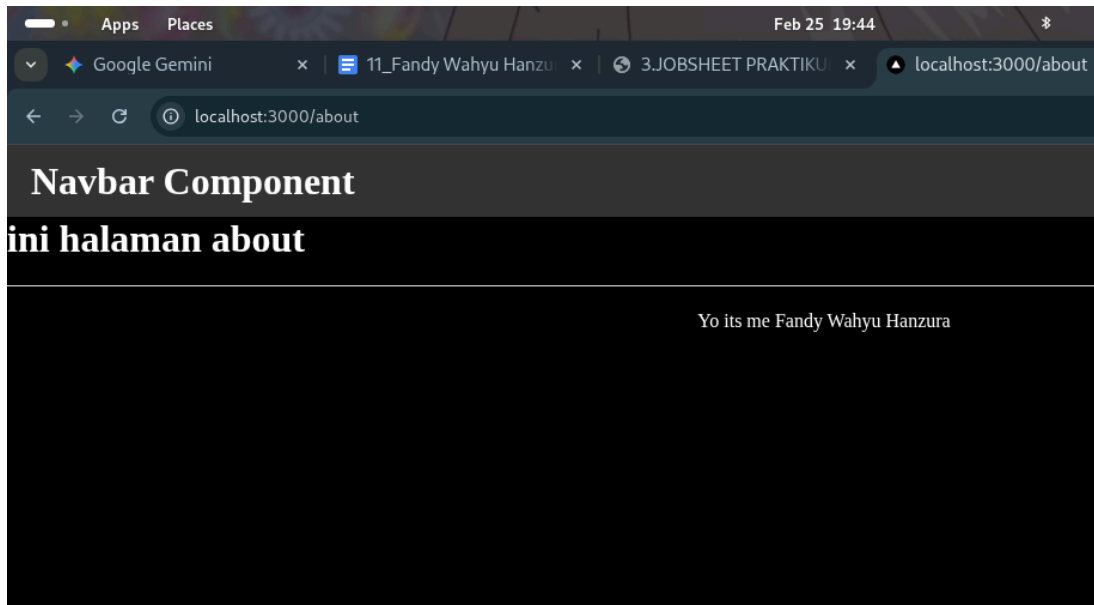
Tugas 3:

- Menambahkan footer pada 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>  
26    )  
27  }  
28
```





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 an harus menambahkan deklarasi pemanggilan sebagai apa

2. Mengapa dynamic routing penting dalam aplikasi web?

- Untuk efisiensi pada pengerjaan 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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