

REACT JS – Pertemuan 2

PEMOGRAMAN BERBASIS FRAMEWORK



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### 3. PRAKTIKUM

#### A. Instalasi NodeJS

```
Command Prompt
Microsoft Windows [Version 10.0.22000.493]
(c) Microsoft Corporation. All rights reserved.

C:\Users\A S U S T U F>node -v
v16.14.0

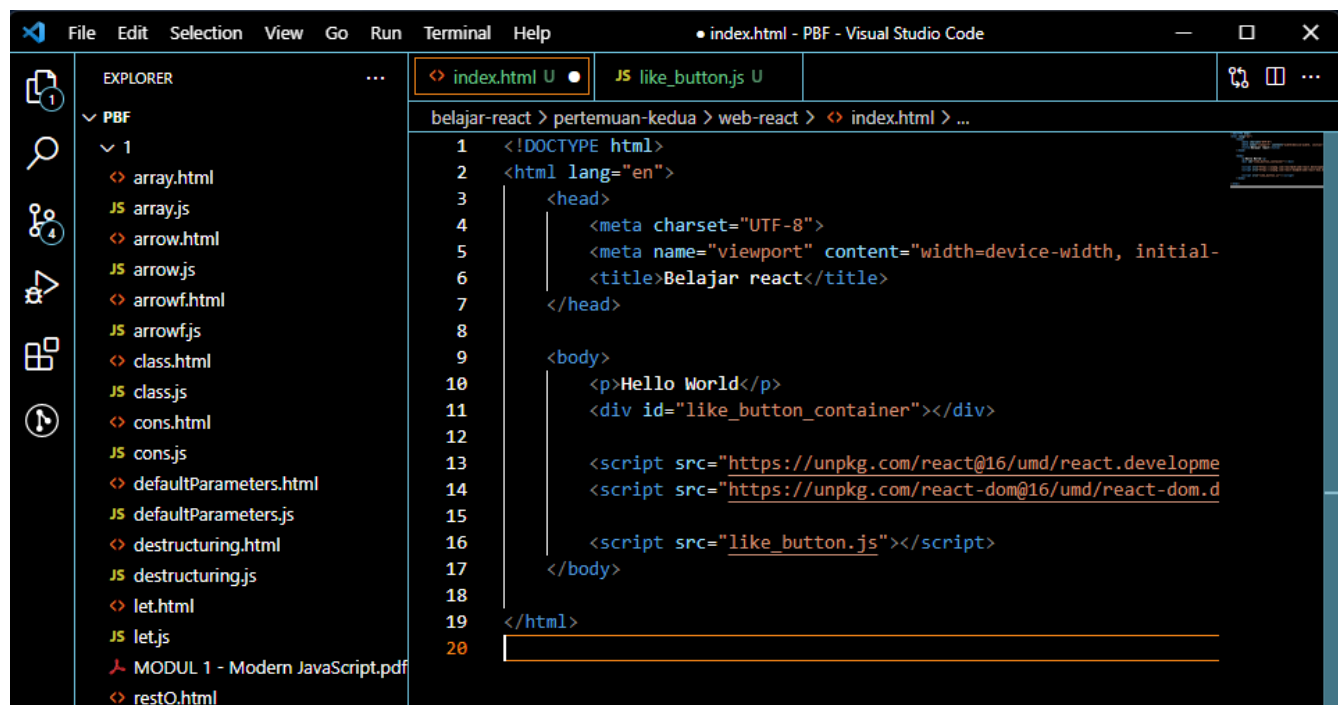
C:\Users\A S U S T U F>npm -v
8.3.1

C:\Users\A S U S T U F>_
```

#### B. Menambahkan React pada website

Selain menggunakan CLI kita juga dapat menambahkan react pada website Langkahnya sebagai berikut

- Buatlah folder belajar-react/pertemuan-kedua/web-react
- Buatfile index.html



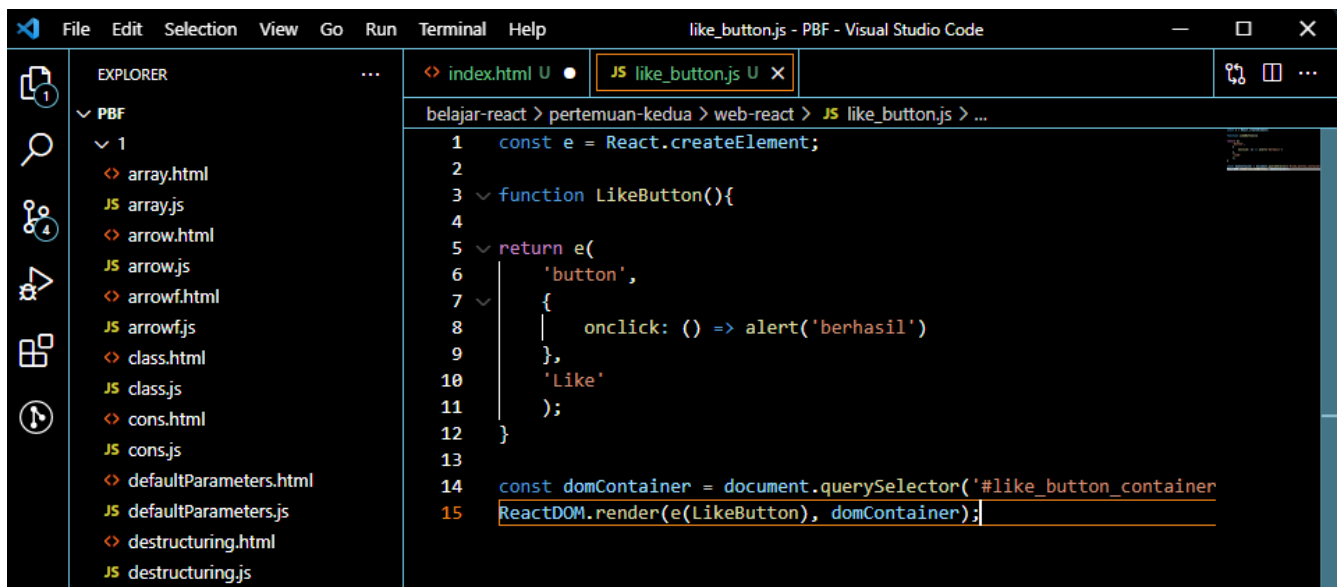
```
File Edit Selection View Go Run Terminal Help
• index.html - PBF - Visual Studio Code

EXPLORER
PBF
1
  array.html
  array.js
  arrow.html
  arrow.js
  arrowf.html
  arrowf.js
  class.html
  class.js
  cons.html
  cons.js
  defaultParameters.html
  defaultParameters.js
  destructuring.html
  destructuring.js
  let.html
  let.js
  MODUL 1 - Modern JavaScript.pdf
  restO.html

index.html U JS like_button.js U
belajar-react > pertemuan-kedua > web-react > index.html > ...

1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-
6     <title>Belajar react</title>
7   </head>
8
9   <body>
10    <p>Hello World</p>
11    <div id="like_button_container"></div>
12
13    <script src="https://unpkg.com/react@16/umd/react.developme
14    <script src="https://unpkg.com/react-dom@16/umd/react-dom.d
15
16    <script src="like_button.js"></script>
17  </body>
18
19 </html>
20
```

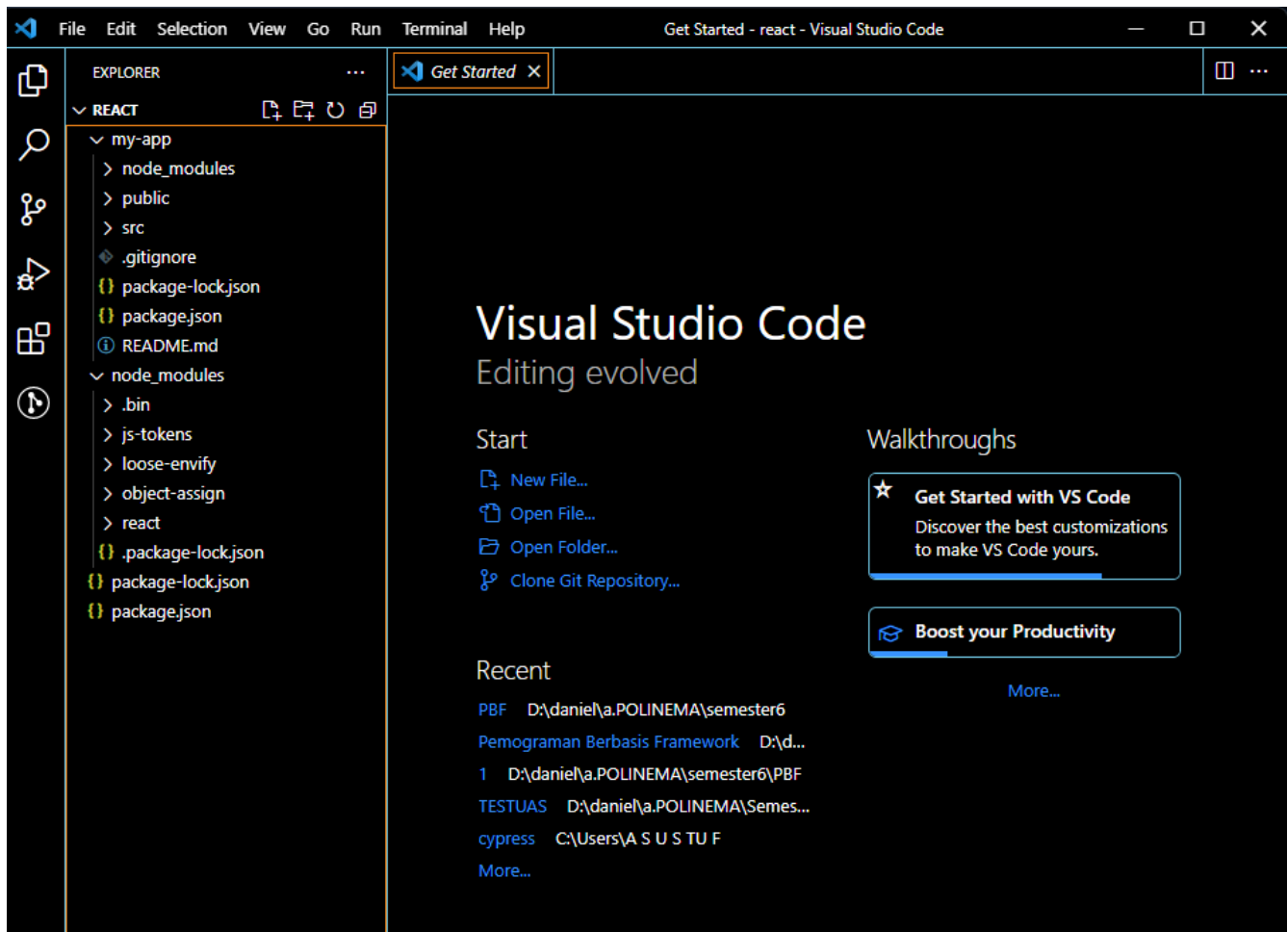
- Setelah itu buat file js dengan nama like\_button.js



```
1  const e = React.createElement;
2
3  function LikeButton(){
4
5    return e(
6      'button',
7      {
8        onClick: () => alert('berhasil')
9      },
10     'Like'
11   );
12 }
13
14 const domContainer = document.querySelector('#like_button_container')
15 ReactDOM.render(e(LikeButton), domContainer);
```

Hasilnya

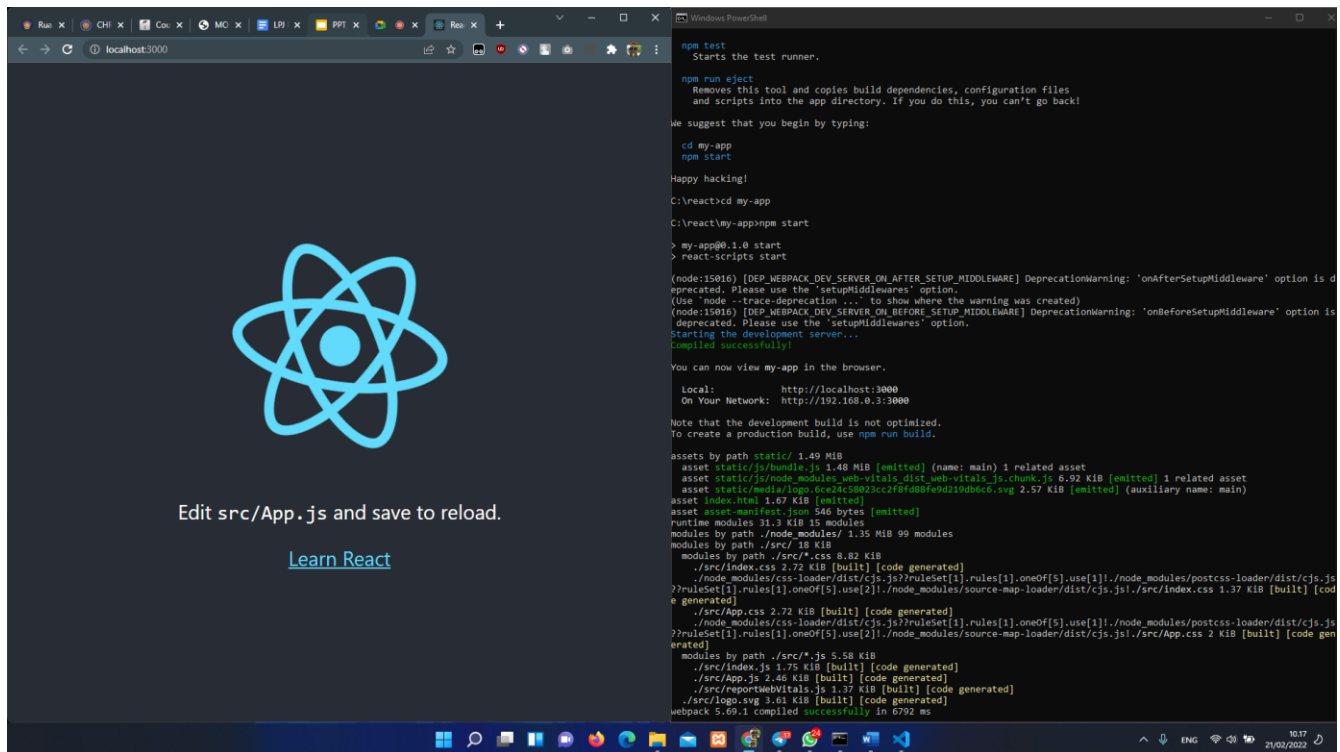
### C. Instalasi react-app



Untuk menjalankan ketik :

npm start

Hasilnya:



The screenshot shows a Windows PowerShell terminal window on the right and a web browser on the left. The browser displays the React logo and the text "Edit src/App.js and save to reload." with a "Learn React" link. The terminal window shows the output of running "npm start" in a React project. It includes instructions for running the test runner, ejecting, and starting the development server. The terminal also displays deprecation warnings for "onAfterSetupMiddleware" and "onBeforeSetupMiddleware" options, and a list of assets and modules generated by Webpack.

```
npm test
Starts the test runner.

npm run eject
Removes this tool and copies build dependencies, configuration files
and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd my-app
  npm start

Happy hacking!

C:\react>cd my-app
C:\react\my-app>npm start

> my-app@1.0.0 start
> react-scripts start

(node:15916) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
(node:15916) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...
Compiled successfully!

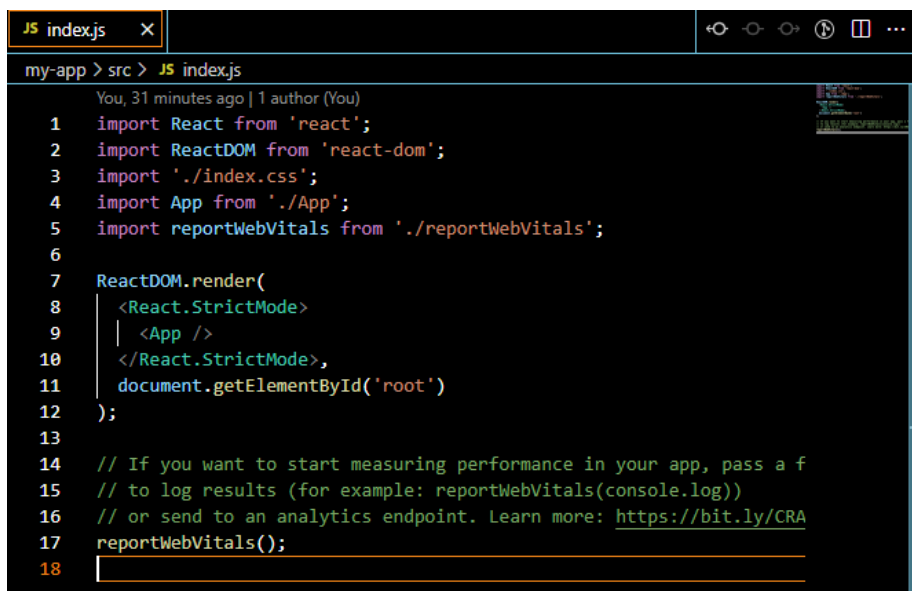
You can now view my-app in the browser.

Local:      http://localhost:3000
On Your Network:  http://192.168.0.3:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

assets by path static/ 1.49 MiB
  asset static/js/bundle.js 1.48 MiB [emitted] (name: main) 1 related asset
  asset static/js/node_modules_web-vitals_dist_web-vitals.js.chunk.js 6.92 Kib [emitted] 1 related asset
  asset static/media/logo_6ce24c58023cc2f8fd08f0d219d0dc6.svg 2.57 Kib [emitted] (auxiliary name: main)
  asset index.html 1.67 Kib [emitted]
  asset asset-manifest.json 546 bytes [emitted]
runtime modules 31.3 Kib 15 modules
modules by path ./node_modules/ 1.35 MiB 99 modules
modules by path ./src/ 18 Kib
  modules by path ./src/*.css 8.82 Kib
    ./src/index.css 2.72 Kib [built] [code generated]
    ./node_modules/css-loader/dist/cjs.js??ruleset[1].rules[1].oneOf[5].use[1]!.node_modules/postcss-loader/dist/cjs.js??ruleset[1].rules[1].oneOf[5].use[2]!.node_modules/source-map-loader/dist/cjs.js!./src/index.css 1.37 Kib [built] [code generated]
    ./src/App.css 2.72 Kib [built] [code generated]
    ./node_modules/css-loader/dist/cjs.js??ruleset[1].rules[1].oneOf[5].use[1]!.node_modules/postcss-loader/dist/cjs.js??ruleset[1].rules[1].oneOf[5].use[2]!.node_modules/source-map-loader/dist/cjs.js!./src/App.css 2 Kib [built] [code generated]
  modules by path ./src/*.js 5.58 Kib
    ./src/index.js 1.75 Kib [built] [code generated]
    ./src/App.js 2.46 Kib [built] [code generated]
    ./src/reportWebVitals.js 1.37 Kib [built] [code generated]
    ./src/logo.svg 3.61 Kib [built] [code generated]
webpack 5.69.1 compiled successfully in 6792 ms
```

## D. Struktur Project React



The screenshot shows a VS Code editor window with the file "index.js" open. The code is a React application entry point, showing imports for React, ReactDOM, App, and reportWebVitals. It uses ReactDOM.render to render the App component into the root element. The code also includes a comment about measuring performance and a link to learn more about reportWebVitals.

```
JS index.js
my-app > src > JS index.js

You, 31 minutes ago | 1 author (You)
1 import React from 'react';
2 import ReactDOM from 'react-dom';
3 import './index.css';
4 import App from './App';
5 import reportWebVitals from './reportWebVitals';
6
7 ReactDOM.render(
8   <React.StrictMode>
9     <App />
10  </React.StrictMode>,
11  document.getElementById('root')
12 );
13
14 // If you want to start measuring performance in your app, pass a f
15 // to log results (for example: reportWebVitals(console.log))
16 // or send to an analytics endpoint. Learn more: https://bit.ly/CRA
17 reportWebVitals();
18
```

```
JS index.js 3
my-app > src > JS index.js

You, seconds ago | 1 author (You)
1 import React from 'react';
2 import ReactDOM from 'react-dom';
3 import './index.css';
4 import App from './App';
5 import * as serviceWorker from './serviceWorker';
6
7 ReactDOM.render(<App />, document.getElementById('root'));
8
9 // If you want to start measuring performance in your app, pass a f
10 // to log results (for example: reportWebVitals(console.log))
11 // or send to an analytics endpoint. Learn more: https://bit.ly/CRA
12 ServiceWorker.unregister();
13
```

```
File Edit Selection View Go Run Terminal Help index.html - react - Visual Studio Code
JS index.js 3 index.html X
my-app > public > index.html > html > body

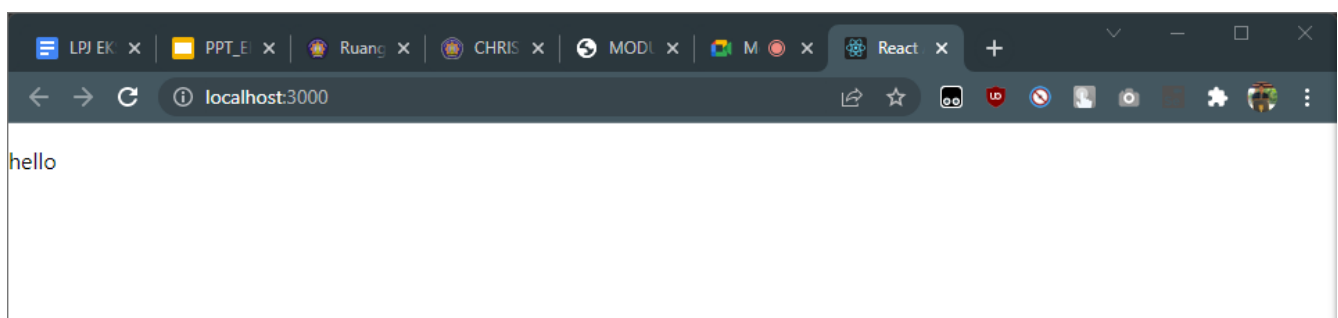
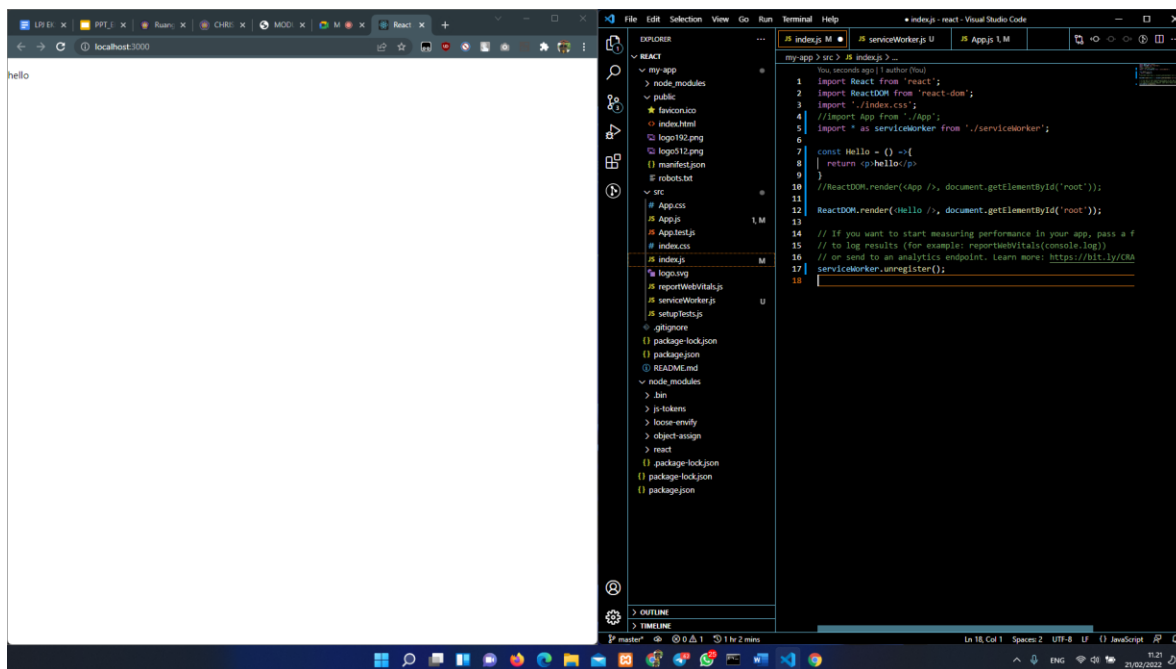
You, 35 minutes ago | 1 author (You)
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="utf-8" />
5 <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
6 <meta name="viewport" content="width=device-width, initial-scal
7 <meta name="theme-color" content="#000000" />
8 <meta
9   name="description"
10   content="Web site created using create-react-app"
11 />
12 <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />
13 <!--
14   manifest.json provides metadata used when your web app is ins
15   user's mobile device or desktop. See https://developers.googl
16 -->
17 <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
18 <!--
19   Notice the use of %PUBLIC_URL% in the tags above.
20   It will be replaced with the URL of the 'public' folder durin
21   Only files inside the 'public' folder can be referenced from
22
23   Unlike "/favicon.ico" or "favicon.ico", "%PUBLIC_URL%/favicon
24   work correctly both with client-side routing and a non-root p
25   Learn how to configure a non-root public URL by running 'npm
26 -->
27 <title>React App</title>
28 </head>
29 <body>
30 <noscript>You need to enable JavaScript to run this app.</noscr
31 <div id="root"></div>
32 <!--
33   This HTML file is a template.
34   If you open it directly in the browser, you will see an empty
35
36   You can add webfonts, meta tags, or analytics to this file.
37   The build step will place the bundled scripts into the <body>
38
39   To begin the development, run 'npm start' or 'yarn start'.
40   To create a production bundle, use 'npm run build' or 'yarn b
41 -->
42 </body> You, 35 minutes ago • Initialize project using Crea
43 </html>
44
```

## E. MEMBUAT COMPONENT HELLO MENGGUNAKAN ARROW FUNCTION

```
JS index.js M JS serviceWorker.js U JS App.js 1, M

my-app > src > JS index.js > ...

1 import React from 'react';
2 import ReactDOM from 'react-dom';
3 import './index.css';
4 //import App from './App';
5 import * as serviceWorker from './serviceWorker';
6
7 const Hello = () =>{
8   | return <p>hello</p>
9 }
10 //ReactDOM.render(<App />, document.getElementById('root'));
11
12 ReactDOM.render(<Hello />, document.getElementById('root'));
13
14 // If you want to start measuring performance in your app, pass a f
15 // to log results (for example: reportWebVitals(console.log))
16 // or send to an analytics endpoint. Learn more: https://bit.ly/CRA
17 serviceWorker.unregister();
18
```



[git@github.com:christiandaniel1505/belajar-react-web-react.git](https://github.com/christiandaniel1505/belajar-react-web-react.git)