

TUGAS INDIVIDU
PEMROGRAMAN FRAMEWORK



Oleh

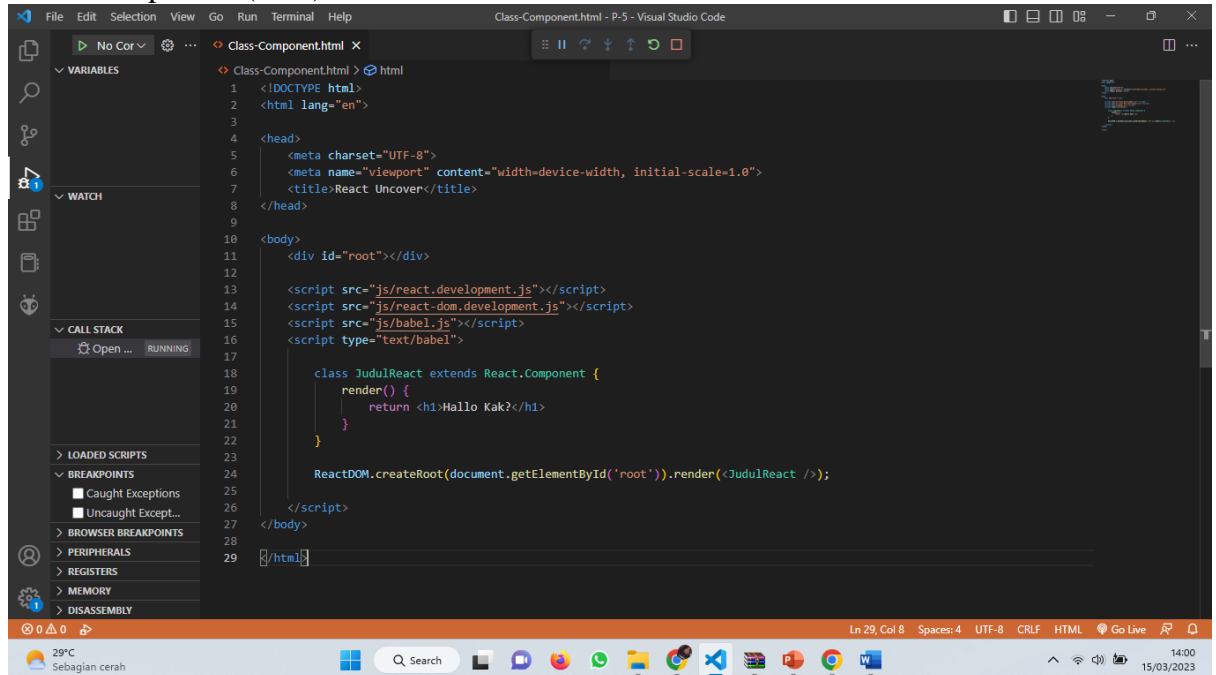
Ramona Andhani

2041720047 / TI 3A / 16

JURUSAN TEKNOLOGI INFORMASI
PRODI D-IV TEKNIK INFORMATIKA
POLITEKNIK NEGERI MALANG

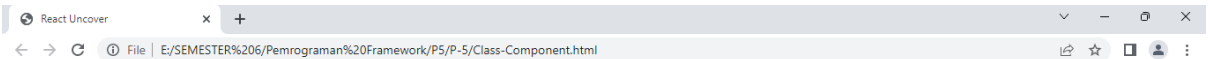
2023

1. Class Component (7-10)

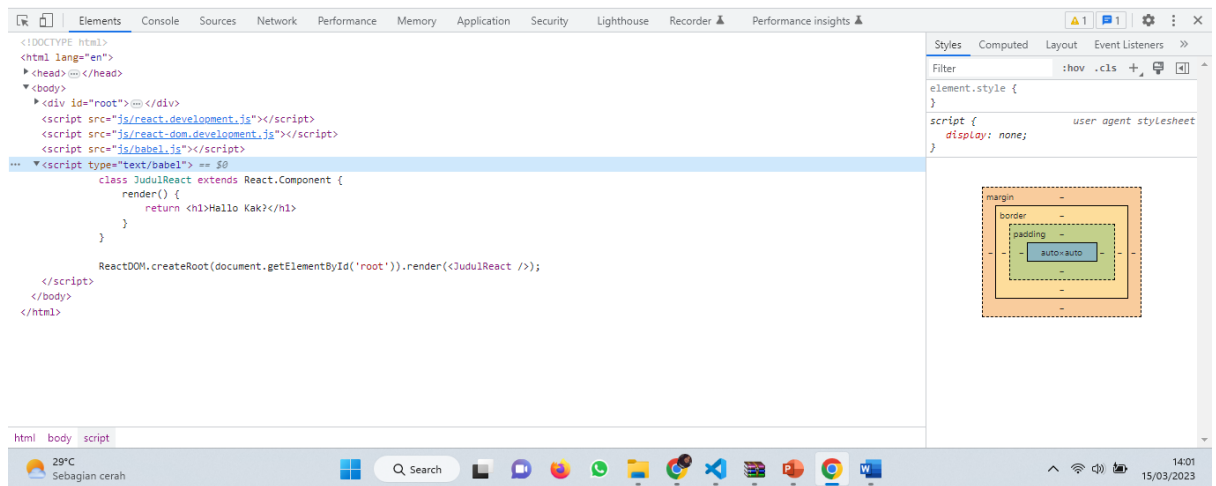


```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>React Uncover</title>
8 </head>
9
10 <body>
11   <div id="root"></div>
12
13   <script src="js/react.development.js"></script>
14   <script src="js/react-dom.development.js"></script>
15   <script src="js/babel.js"></script>
16   <script type="text/babel">
17
18     class JudulReact extends React.Component {
19       render() {
20         return <h1>Hallo Kak?</h1>
21       }
22     }
23
24     ReactDOM.createRoot(document.getElementById('root')).render(<JudulReact />);
25
26   </script>
27 </body>
28
29 </html>
```

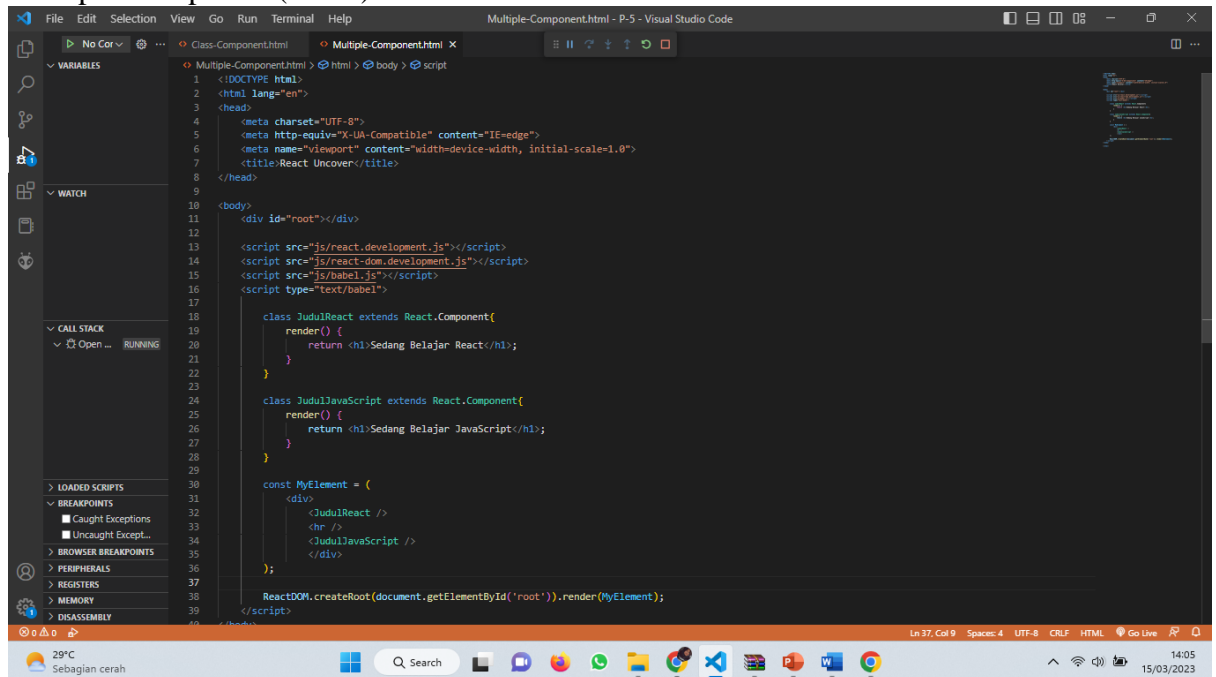
Hasil



Hallo Kak?

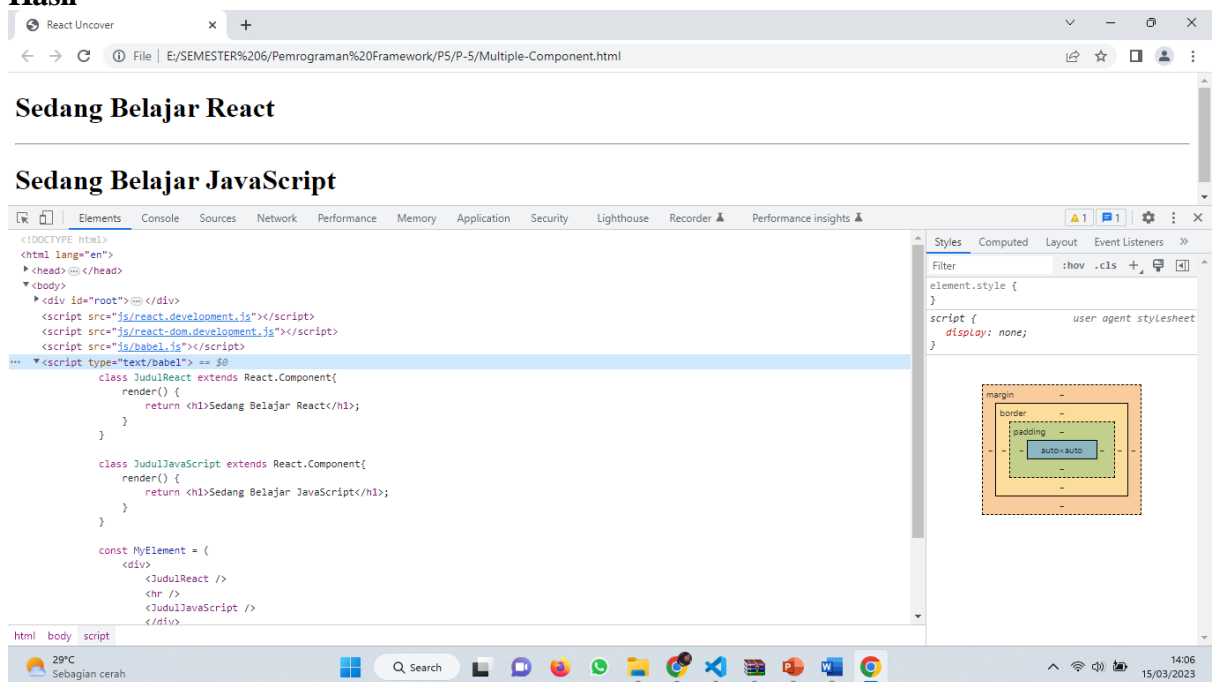


2. Multiple Component(11-13)

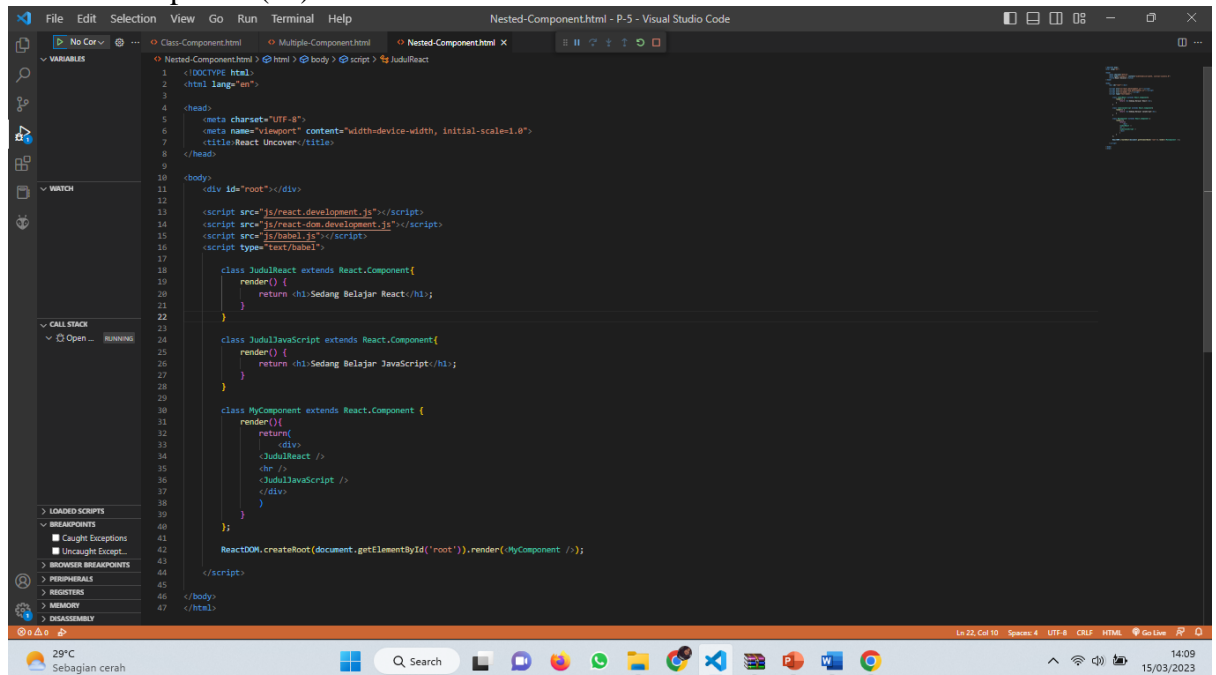


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>React Uncover</title>
8 </head>
9
10 <body>
11   <div id="root"></div>
12
13   <script src="js/react.development.js"></script>
14   <script src="js/react-dom.development.js"></script>
15   <script src="js/babel.js"></script>
16   <script type="text/babel">
17
18     class JudulReact extends React.Component{
19       render() {
20         return <h1>Sedang Belajar React</h1>;
21       }
22     }
23
24     class JudulJavaScript extends React.Component{
25       render() {
26         return <h1>Sedang Belajar JavaScript</h1>;
27       }
28     }
29
30     const MyElement = (
31       <div>
32         <JudulReact />
33         <hr />
34         <JudulJavaScript />
35       </div>
36     );
37
38     ReactDOM.createRoot(document.getElementById('root')).render(MyElement);
39   </script>
40 </body>
41 </html>
```

Hasil



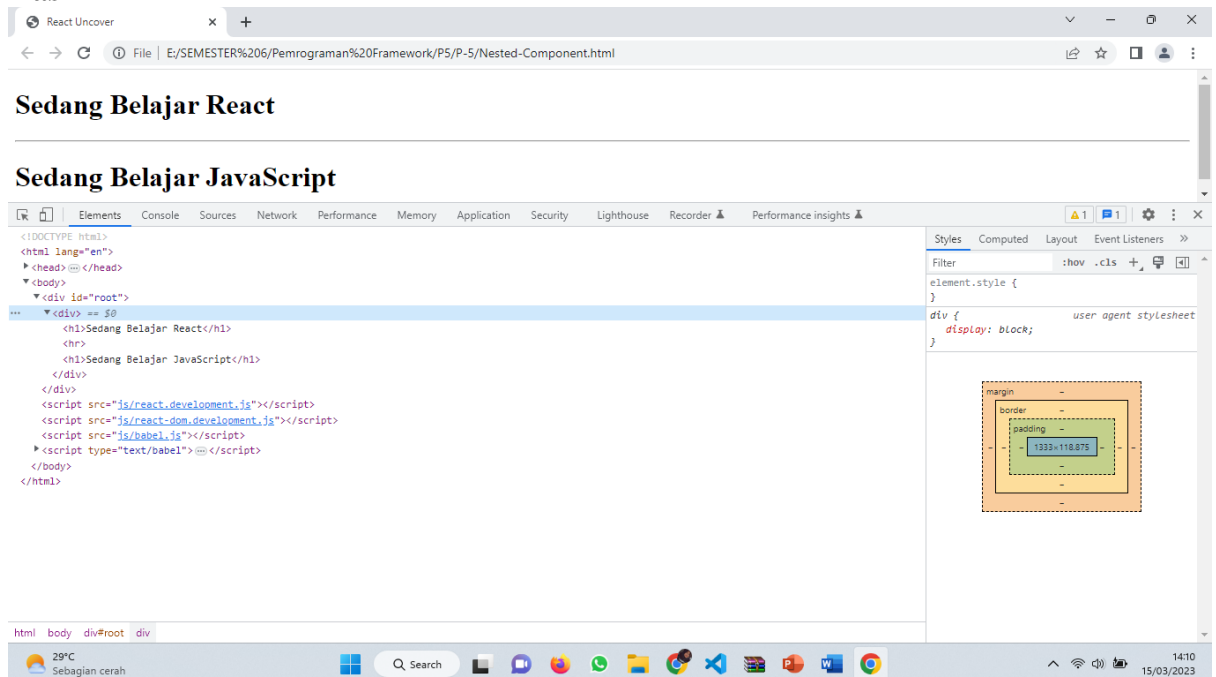
3. Nested Component(14)



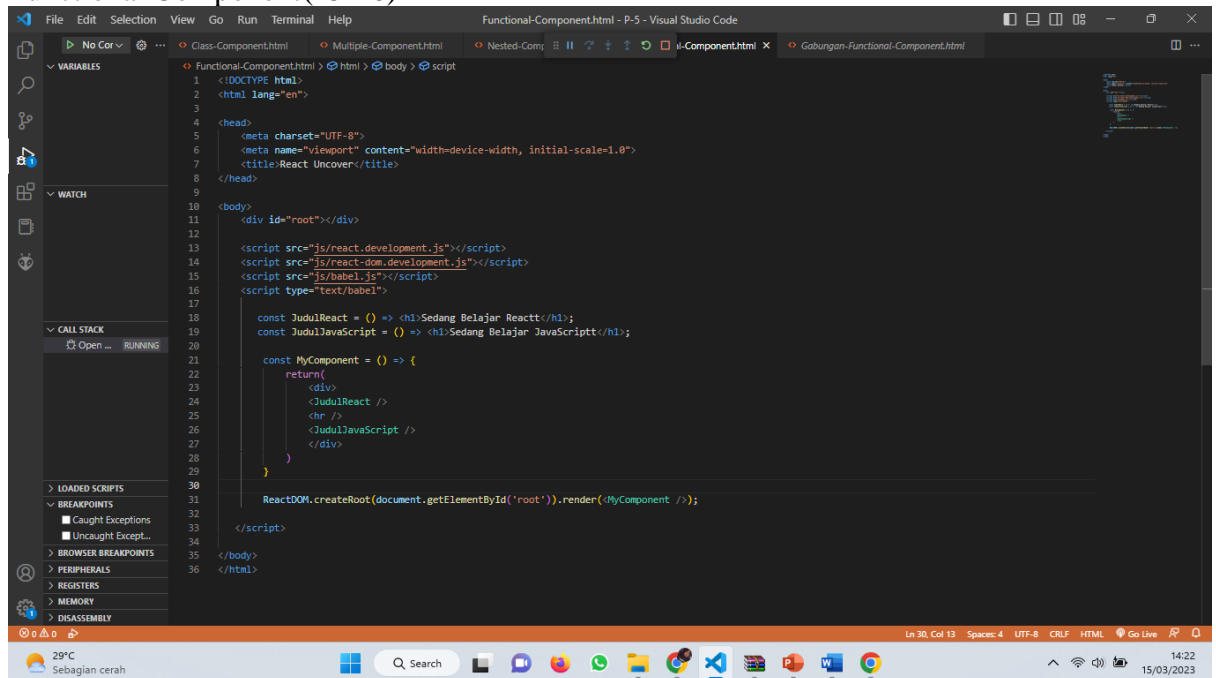
The screenshot shows the Visual Studio Code editor with a file named 'Nested-Component.html'. The code defines three components: `JudulReact`, `JudulJavaScript`, and `MyComponent`. `JudulReact` and `JudulJavaScript` are simple components that return a heading. `MyComponent` is a container component that renders a `div` containing `JudulReact` and `JudulJavaScript`. The application is bootstrapped using `ReactDOM.createRoot`.

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>React Uncover</title>
8 </head>
9
10 <body>
11   <div id="root"></div>
12
13   <script src="js/react.development.js"></script>
14   <script src="js/react-dom.development.js"></script>
15   <script src="js/babel.js"></script>
16   <script type="text/babel">
17
18     class JudulReact extends React.Component {
19       render() {
20         return <h1>Sedang Belajar React</h1>;
21       }
22     }
23
24     class JudulJavaScript extends React.Component {
25       render() {
26         return <h1>Sedang Belajar JavaScript</h1>;
27       }
28     }
29
30     class MyComponent extends React.Component {
31       render() {
32         return (
33           <div>
34             <JudulReact />
35             <JudulJavaScript />
36           </div>
37         );
38       }
39     };
40
41     ReactDOM.createRoot(document.getElementById("root")).render(<MyComponent />);
42
43   </script>
44 </body>
45 </html>
```

Hasil

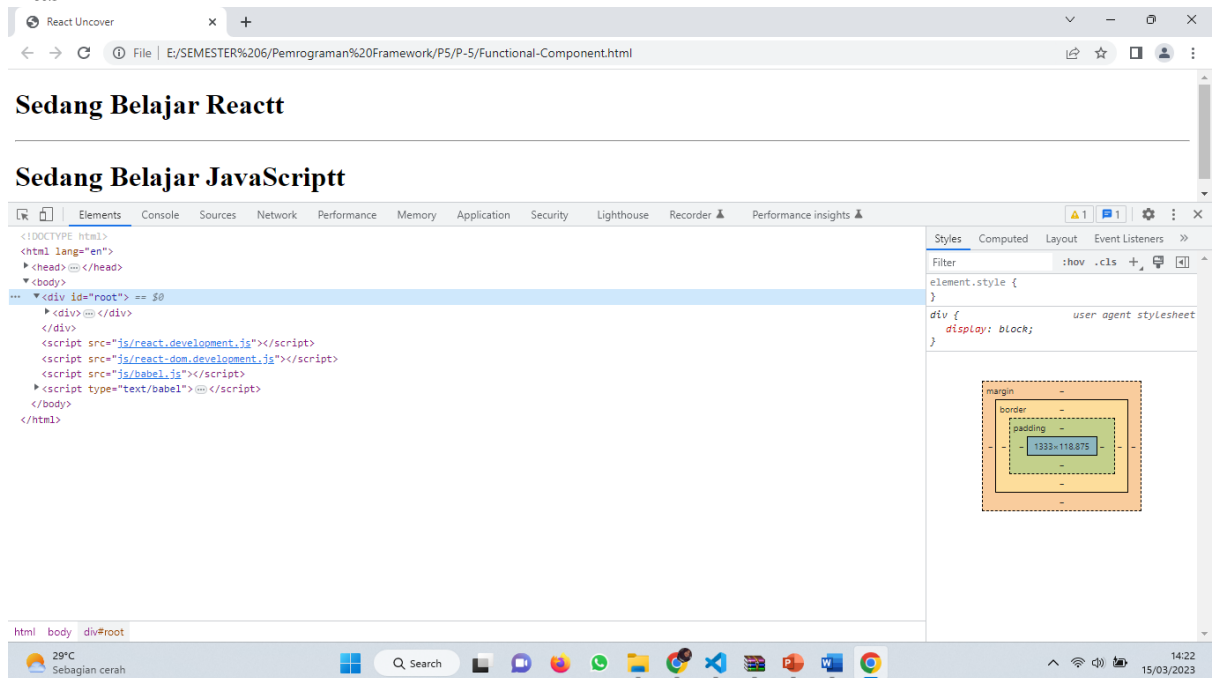


4. Functional Component(15-16)

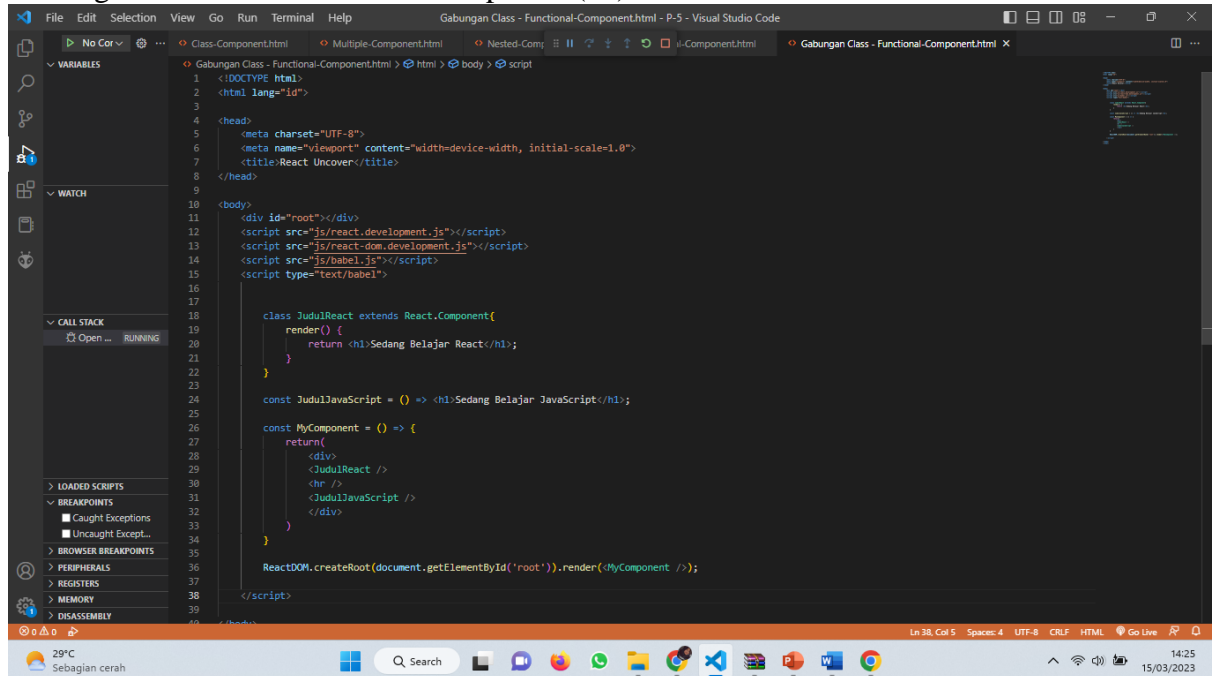


```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>React Uncover</title>
8 </head>
9
10 <body>
11   <div id="root"></div>
12
13   <script src="js/react.development.js"></script>
14   <script src="js/react-dom.development.js"></script>
15   <script src="js/babel.js"></script>
16   <script type="text/babel">
17
18     const JudulReact = () => <h1>Sedang Belajar Reactt</h1>;
19     const JudulJavaScript = () => <h1>Sedang Belajar JavaScriptt</h1>;
20
21     const MyComponent = () => {
22       return(
23         <div>
24           <JudulReact />
25           <hr />
26           <JudulJavaScript />
27         </div>
28       )
29     }
30
31     ReactDOM.createRoot(document.getElementById('root')).render(<MyComponent />);
32
33   </script>
34 </body>
35 </html>
```

Hasil



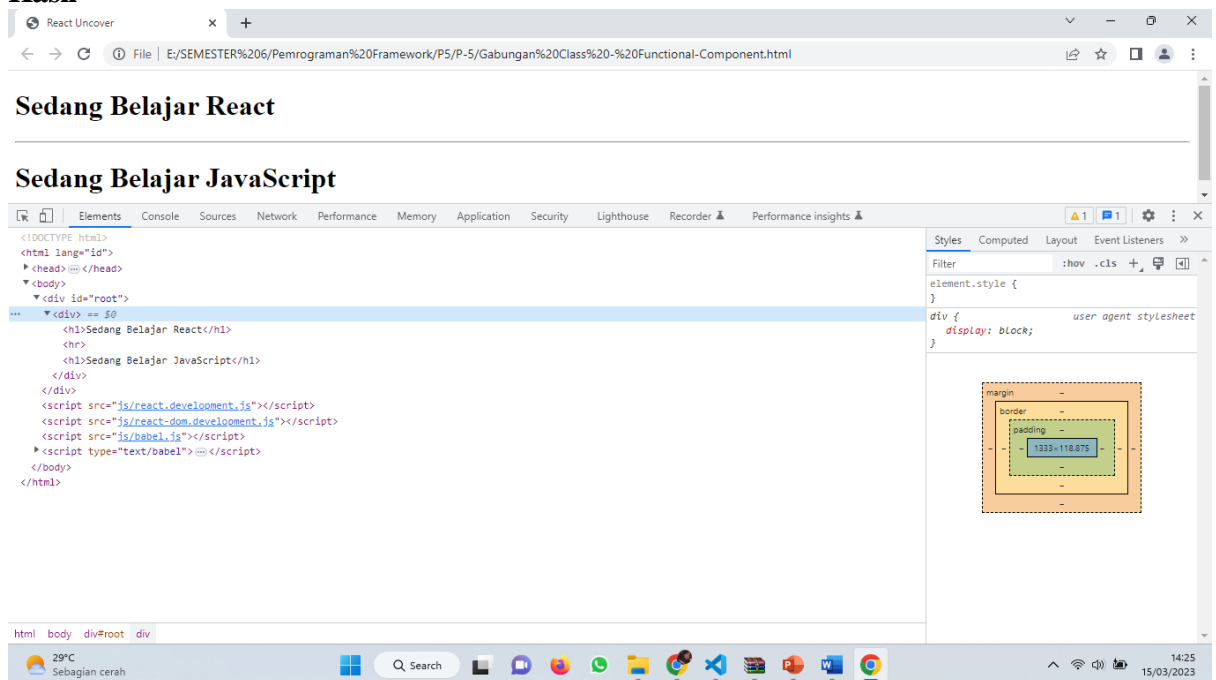
5. Gabungan Class dan Functional Component(17)



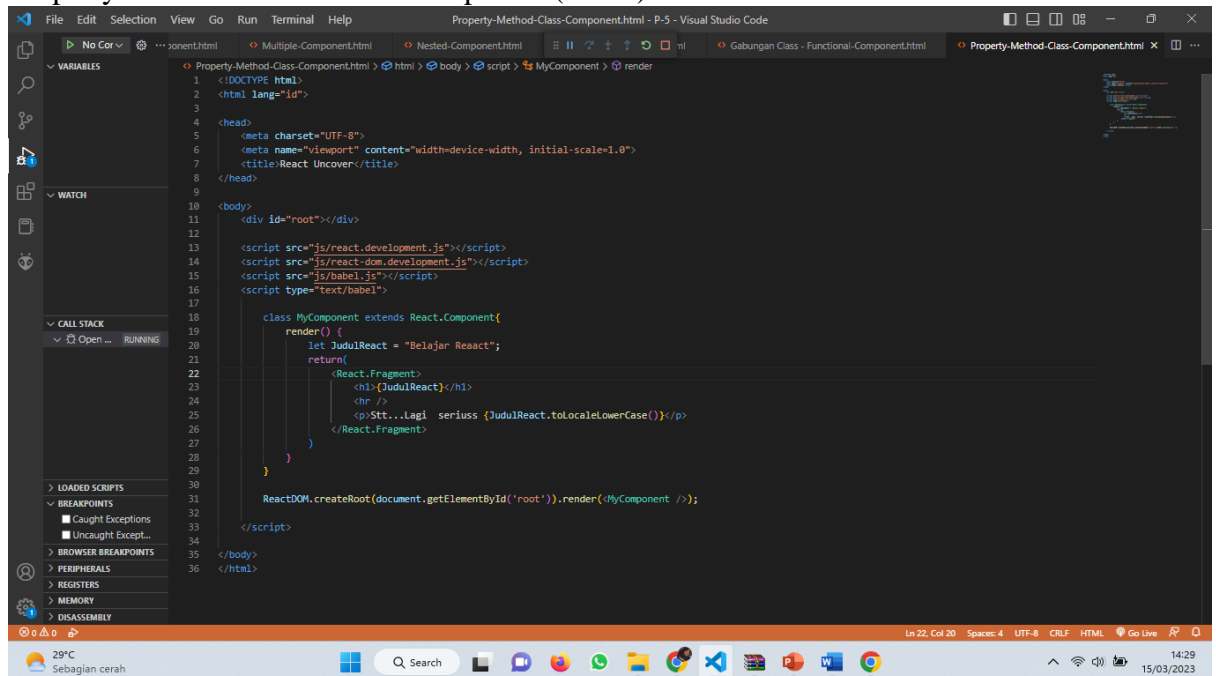
The screenshot shows a Visual Studio Code editor with a file named 'Gabungan Class - Functional-Component.html'. The code is as follows:

```
1 <!DOCTYPE html>
2 <html lang="id">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>React Uncover</title>
8 </head>
9
10 <body>
11   <div id="root"></div>
12   <script src="js/react.development.js"></script>
13   <script src="js/react-dom.development.js"></script>
14   <script src="js/babel.js"></script>
15   <script type="text/babel">
16
17
18     class JudulReact extends React.Component{
19       render() {
20         return <h1>Sedang Belajar React</h1>;
21       }
22     }
23
24     const JudulJavaScript = () => <h1>Sedang Belajar JavaScript</h1>;
25
26     const MyComponent = () => {
27       return(
28         <div>
29           <JudulReact />
30           <hr />
31           <JudulJavaScript />
32         </div>
33       )
34     }
35
36     ReactDOM.createRoot(document.getElementById('root')).render(<MyComponent />);
37
38   </script>
39 </body>
40 </html>
```

Hasil

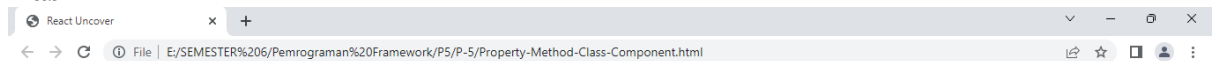


6. Property dan Method di Class Component(18-21)



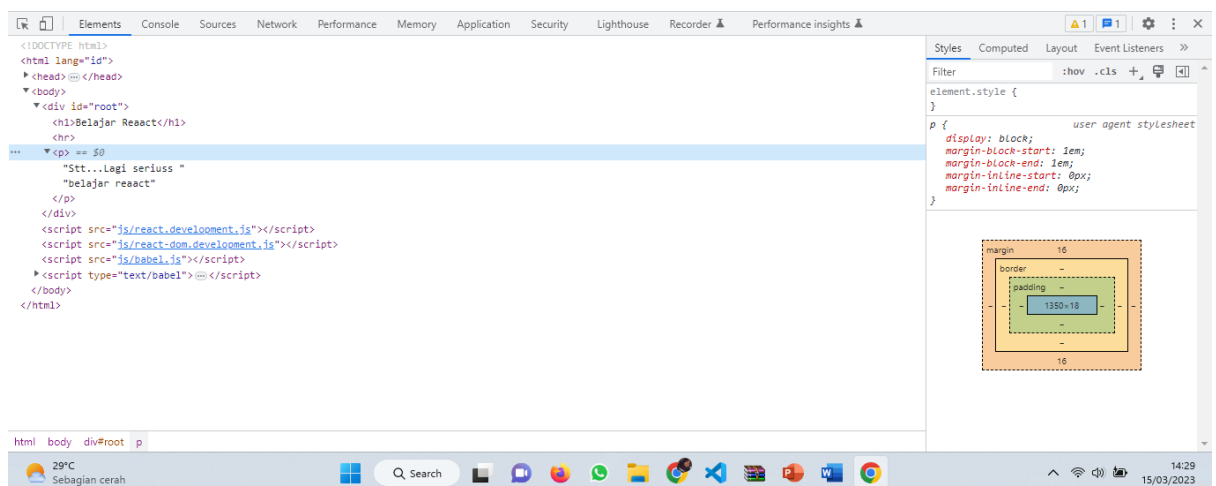
```
1 <!DOCTYPE html>
2 <html lang="id">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>React Uncover</title>
8 </head>
9
10 <body>
11   <div id="root"></div>
12
13   <script src="js/react.development.js"></script>
14   <script src="js/react-dom.development.js"></script>
15   <script src="js/babel.js"></script>
16   <script type="text/babel">
17
18     class MyComponent extends React.Component{
19       render() {
20         let JudulReact = "Belajar React";
21         return(
22           <React.Fragment>
23             <h1>{JudulReact}</h1>
24             <hr />
25             <p>Stt...Lagi seriuss {JudulReact.toLowerCase()}</p>
26           </React.Fragment>
27         )
28       }
29     }
30
31     ReactDOM.createRoot(document.getElementById('root')).render(<MyComponent />);
32   </script>
33 </body>
34 </html>
```

Hasil

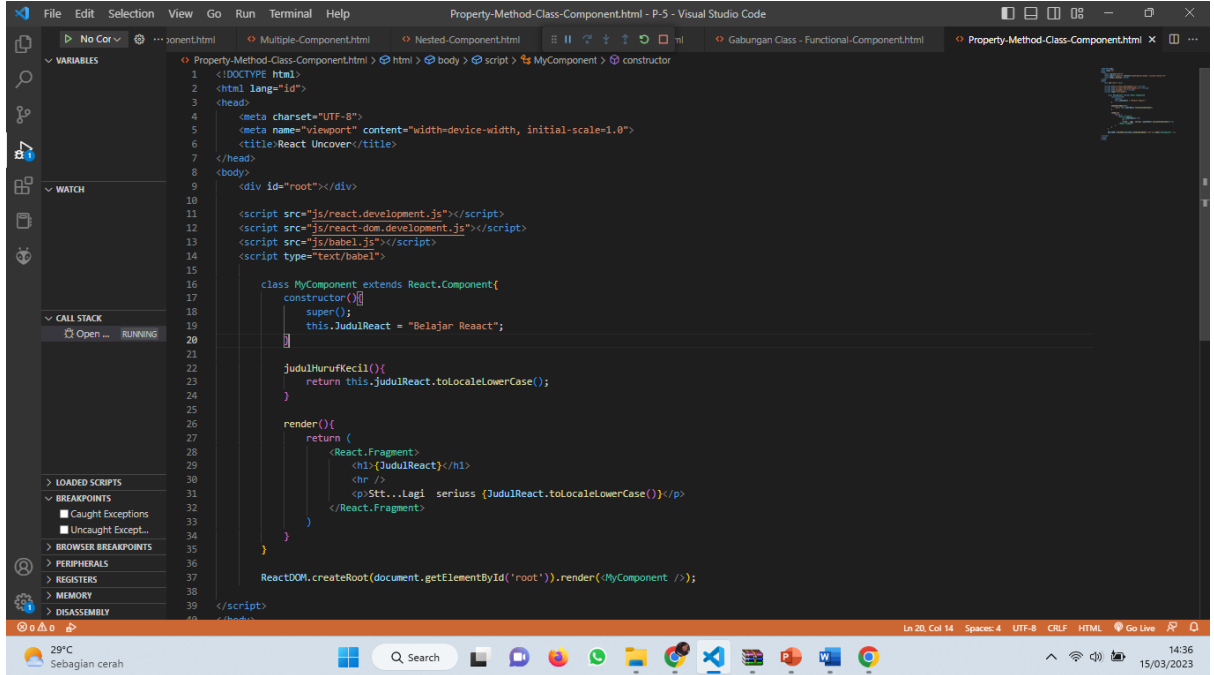


Belajar React

Stt...Lagi seriuss belajar react



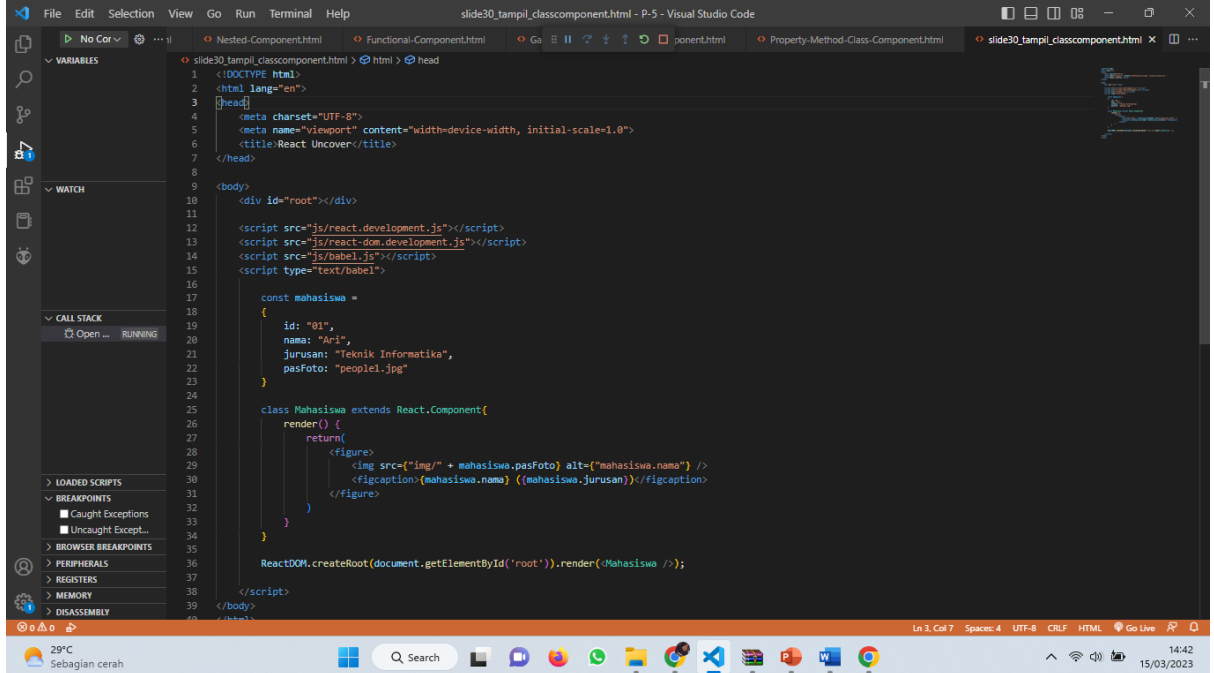
7. Property dan Method di Class Component(22-28)



The screenshot shows a Visual Studio Code editor with a React Class Component. The component is named `MyComponent` and extends `React.Component`. It has a `constructor` method that initializes `this.JudulReact` to "Belajar React". The `render` method returns a `React.Fragment` containing an `h1` element with the text `{JudulReact}` and a `p` element with the text `Stt...Lagi seriuss {JudulReact.toLocaleLowerCase()}`. The component is rendered using `ReactDOM.createRoot`.

```
1 <DOCTYPE html>
2 <html lang="id">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>React Uncover</title>
7 </head>
8 <body>
9   <div id="root"></div>
10
11   <script src="js/react.development.js"></script>
12   <script src="js/react-dom.development.js"></script>
13   <script src="js/babel.js"></script>
14   <script type="text/babel">
15
16     class MyComponent extends React.Component{
17       constructor(){
18         super();
19         this.JudulReact = "Belajar React";
20       }
21
22       judulHurufKecil(){
23         return this.JudulReact.toLocaleLowerCase();
24       }
25
26       render(){
27         return (
28           <React.Fragment>
29             <h1>{JudulReact}</h1>
30             <hr />
31             <p>Stt...Lagi seriuss {JudulReact.toLocaleLowerCase()}</p>
32           </React.Fragment>
33         )
34       }
35     }
36
37     ReactDOM.createRoot(document.getElementById('root')).render(<MyComponent />);
38   </script>
39 </body>
40 </html>
```

8. Menampilkan Data dengan Class Component(30-33)



The screenshot shows a Visual Studio Code editor with a React Class Component. The component is named `Mahasiswa` and extends `React.Component`. It has a `render` method that returns a `React.Fragment` containing an `img` element with the source `img/" + mahasiswa.pasFoto` and alt `alt="{mahasiswa.nama}"`, and a `figcaption` element with the text `{mahasiswa.nama} ({mahasiswa.jurusan})`. The component is rendered using `ReactDOM.createRoot`.

```
1 <DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>React Uncover</title>
7 </head>
8 <body>
9   <div id="root"></div>
10
11   <script src="js/react.development.js"></script>
12   <script src="js/react-dom.development.js"></script>
13   <script src="js/babel.js"></script>
14   <script type="text/babel">
15
16     const mahasiswa =
17     {
18       id: "01",
19       nama: "Ari",
20       jurusan: "Teknik Informatika",
21       pasFoto: "people1.jpg"
22     }
23
24     class Mahasiswa extends React.Component{
25       render(){
26         return(
27           
28           <figcaption>{mahasiswa.nama} ({mahasiswa.jurusan})</figcaption>
29         )
30       }
31     }
32
33     ReactDOM.createRoot(document.getElementById('root')).render(<Mahasiswa />);
34   </script>
35 </body>
36 </html>
```


React Uncover

File | E:/SEMESTER%206/Pemrograman%20Framework/P5/P-5/slide30_tampil_classcomponent.html

Ari (Teknik Informatika)

Elements Console Sources Network Performance Memory Application Security Lighthouse Recorder Performance insights

```
<!DOCTYPE html>
<html lang="en">
  <head>
  </head>
  <body>
    <div id="root">
      <figure id="50">
        
      </figure>
    </div>
    <script src="is/react.development.js"></script>
    <script src="is/react-dom.development.js"></script>
    <script src="is/babel.js"></script>
    <script type="text/babel"></script>
  </body>
</html>
```

html body div#root figure

Styles Computed Layout Event Listeners

Filter :hov .cls +

element.style {

figure { user agent stylesheet

```
display: block;
margin-block-start: 1em;
margin-block-end: 1em;
margin-inline-start: 40px;
margin-inline-end: 40px;
```

margin 16

border -

padding -

29°C Sebagian cerah

14:43 15/03/2023

The screenshot shows a Visual Studio Code editor with a React application. The main editor displays the code for 'slide35_memecah_classcomponent.html'. The code includes a list of students and a 'DaftarMahasiswa' class component.

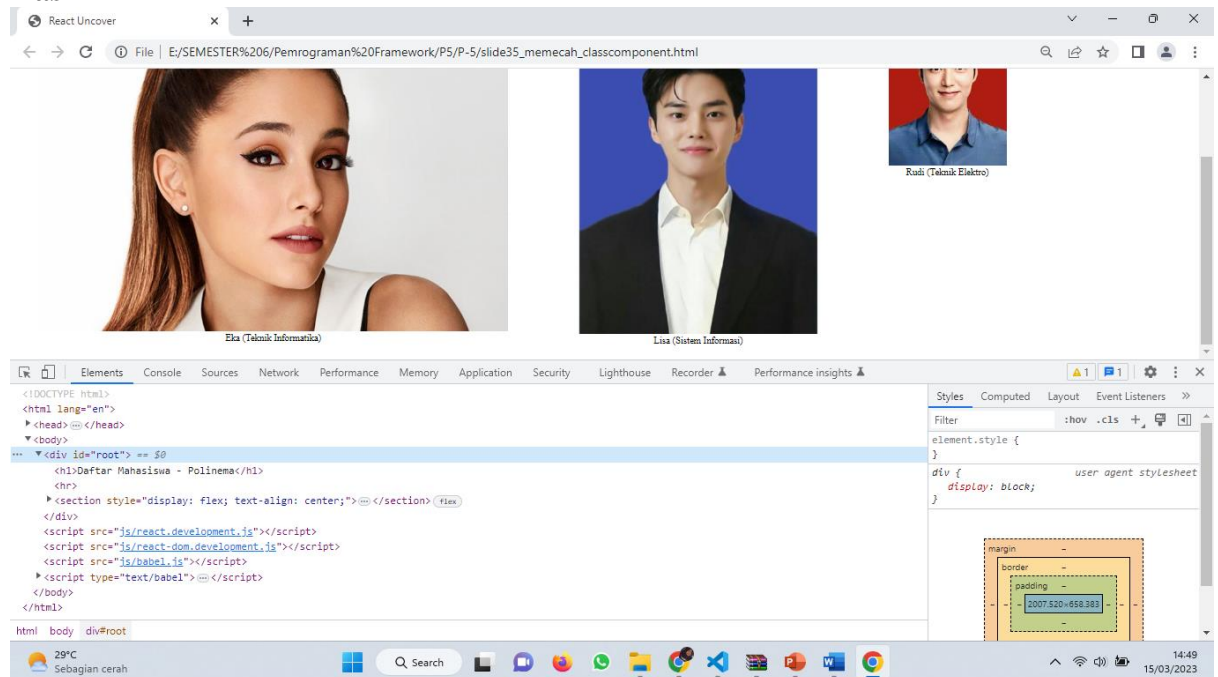
```

1  <div id="root"></div>
2  <script src="https://react.development.js"></script>
3  <script src="https://react-dom.development.js"></script>
4  <script type="text/babel">
5
6    const mahasiswa = [
7      {
8        id: "01",
9        nama: "Eka",
10       jurusan: "Teknik Informatika",
11       pasFoto: "people1.jpg"
12     },
13     {
14       id: "02",
15       nama: "Lisa",
16       jurusan: "Sistem Informasi",
17       pasFoto: "people2.jpg"
18     },
19     {
20       id: "03",
21       nama: "Rudi",
22       jurusan: "Teknik Elektro",
23       pasFoto: "people3.jpg"
24     }
25   ];
26
27   class DaftarMahasiswa extends React.Component {
28     render() {
29       return (
30         <React.Fragment>
31           <h1>Daftar Mahasiswa - Polinema</h1>
32           <hr />
33           <section style={{ display: "flex", textAlign: "center" }}>
34             <div>
35               mahasiswa.map(mahasiswa) =>
36                 <figure key={mahasiswa.id}>
37                   <img src={"/" + mahasiswa.pasFoto} alt={mahasiswa.nama} />
38                   <figcaption>{mahasiswa.nama} {mahasiswa.jurusan}</figcaption>
39                 </figure>
40             </div>
41           </section>
42         </React.Fragment>
43       );
44     }
45   }
46
47   ReactDOM.createRoot(document.getElementById('root')).render(<DaftarMahasiswa />);

```

The left sidebar shows the 'EXPLORER' view with a file tree containing 'src' and 'build' folders. The bottom status bar indicates the file is 'slide35_memecah_classcomponent.html' and the editor is in 'UTF-8' encoding.

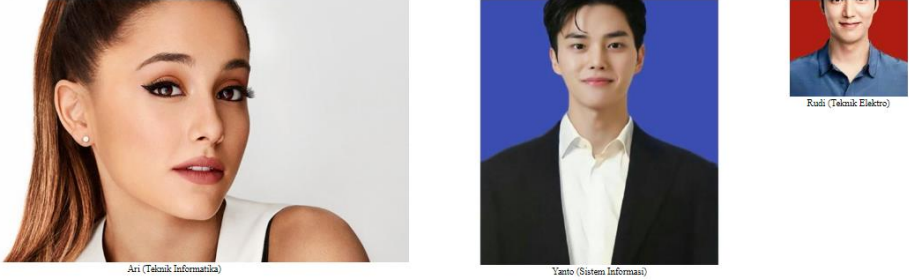
Hasil



Hasil

React Uncover

File | E:/SEMESTER%206/Pemrograman%20Framework/P5/P-5/slide43_tampil_functionalcomponent.html



Ari (Teknik Informatika) Yanto (Sistem Informasi) Rudi (Teknik Elektro)

Elements Console Sources Network Performance Memory Application Security Lighthouse Recorder Performance insights

```
<!DOCTYPE html>
<html lang="en">
  <head>
  </head>
  <body>
    <div id="root">
      <h1>Daftar Mahasiswa - Teknik Informatika</h1>
      <hr>
      <section style="display: flex; text-align: center;">
      </section>
    </div>
    <script src="js/react.development.js"></script>
    <script src="js/react-dom.development.js"></script>
    <script src="js/babel.js"></script>
    <script type="text/babel">
    </script>
  </body>
</html>
```

html body div#root

Styles Computed Layout Event Listeners

Filter :hov .cls +

element.style { }

div { display: block; }

margin - - - -

border - - - -

padding - - - -

2007.520v898.383

30°C Cerah

Search

14:54 15/03/2023

---TUGAS---

