

TUGAS INDIVIDU  
PEMROGRAMAN FRAMEWORK



Oleh

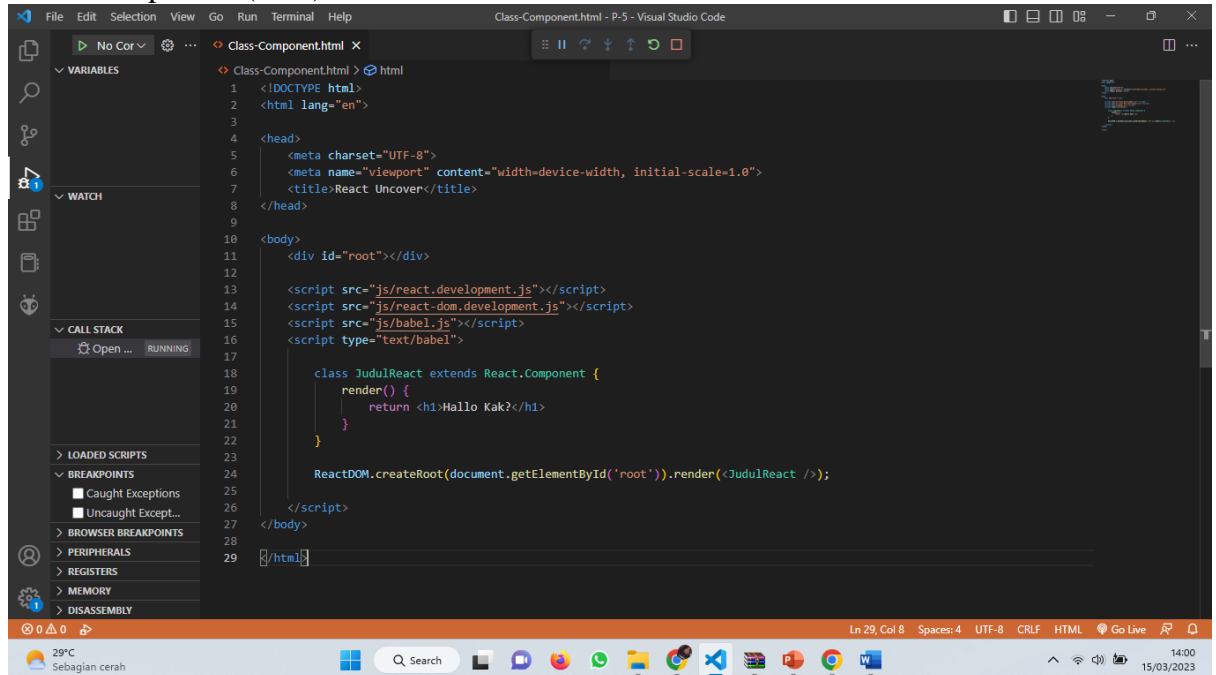
Ramona Andhani

2041720047 / TI 3A / 16

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

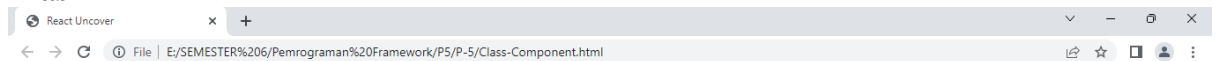
2023

## 1. Class Component (7-10)

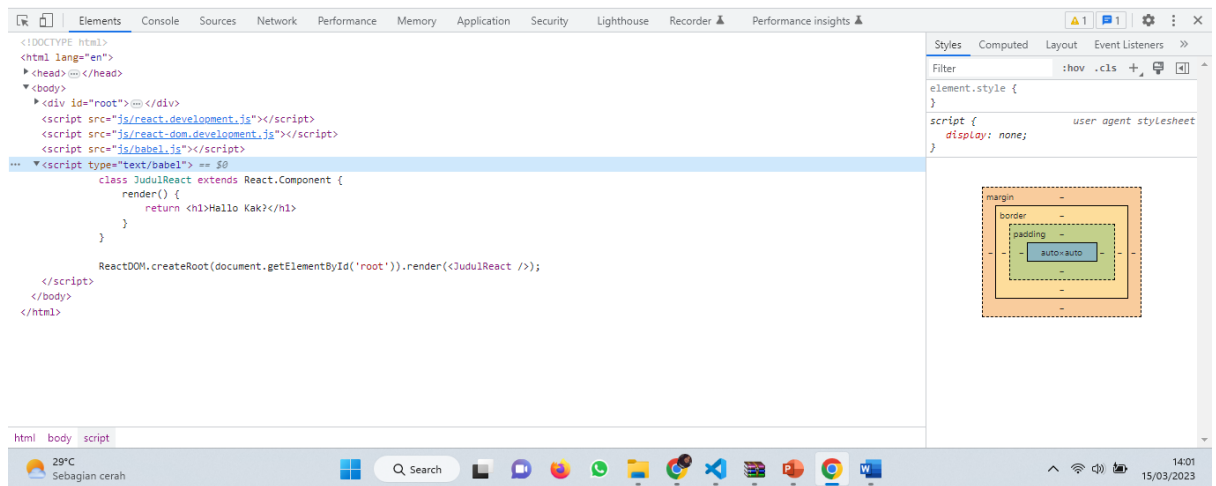


```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>React Uncover</title>
8 </head>
9
10 <body>
11   <div id="root"></div>
12
13   <script src="js/react.development.js"></script>
14   <script 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>
```

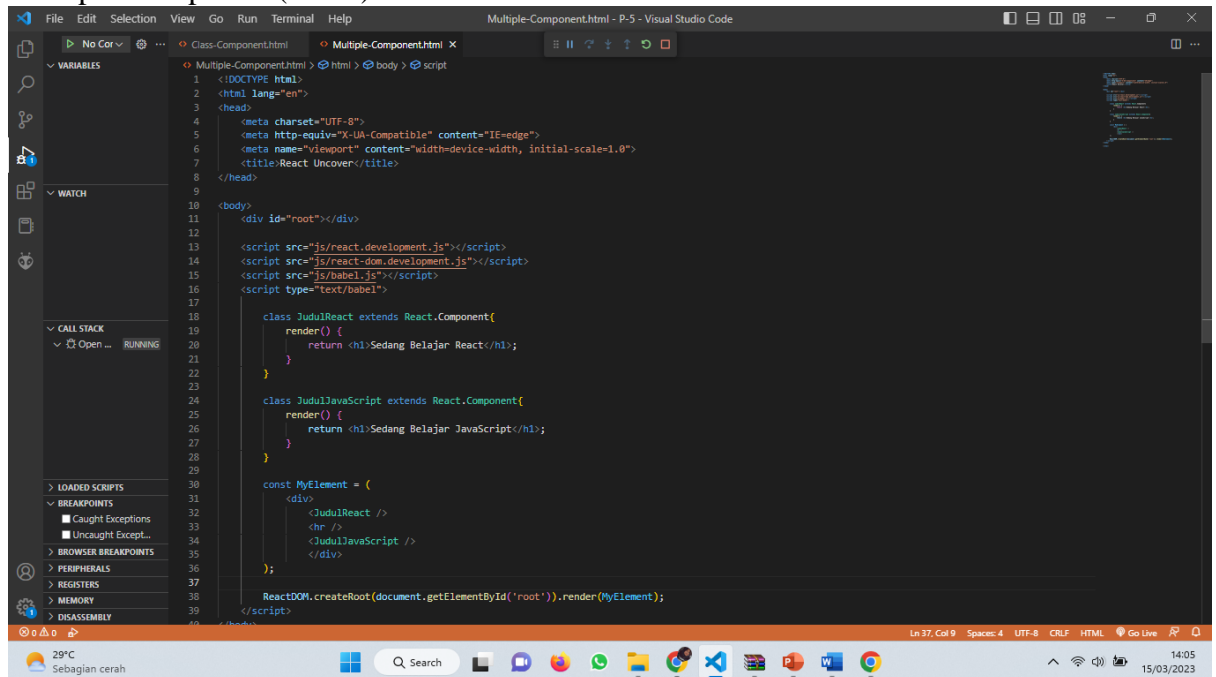
### Hasil



### Hallo Kak?

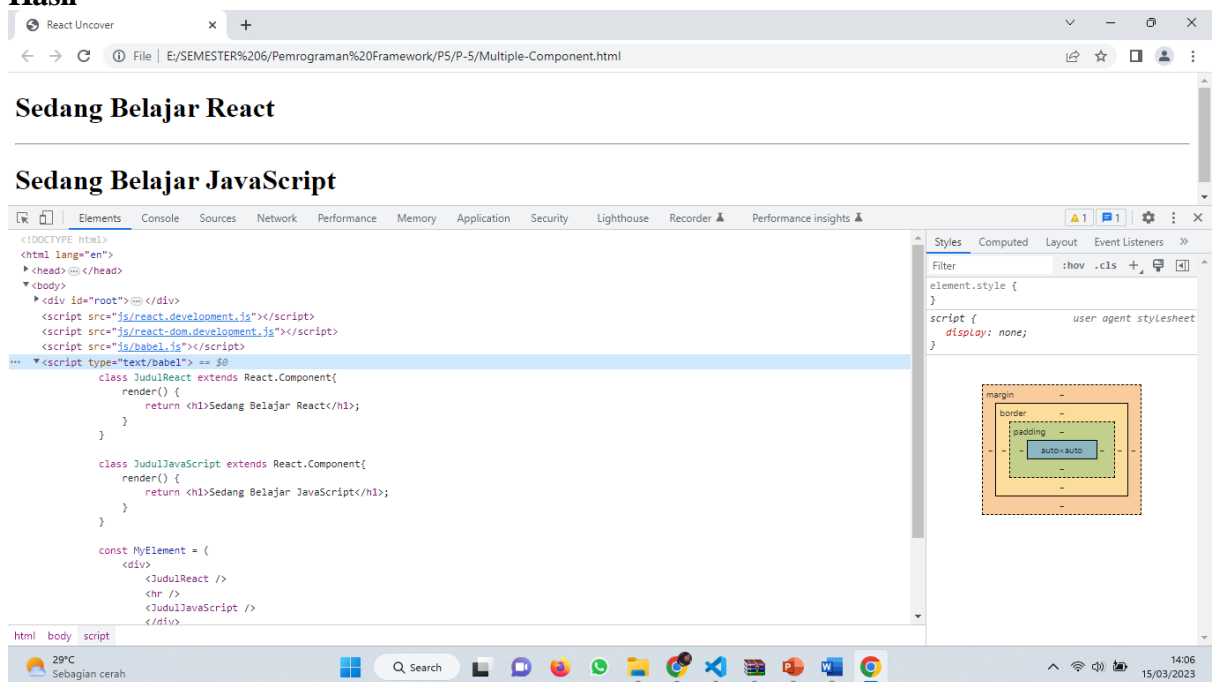


## 2. Multiple Component(11-13)

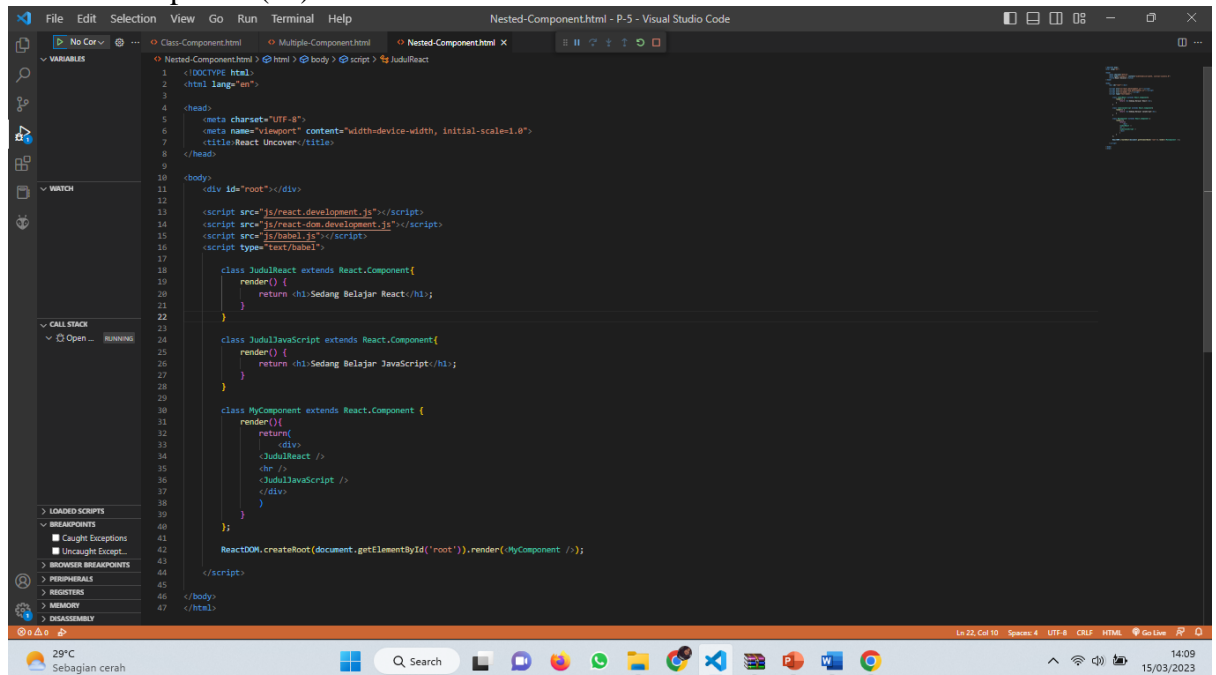


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>React Uncover</title>
8 </head>
9
10 <body>
11   <div id="root"></div>
12
13   <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

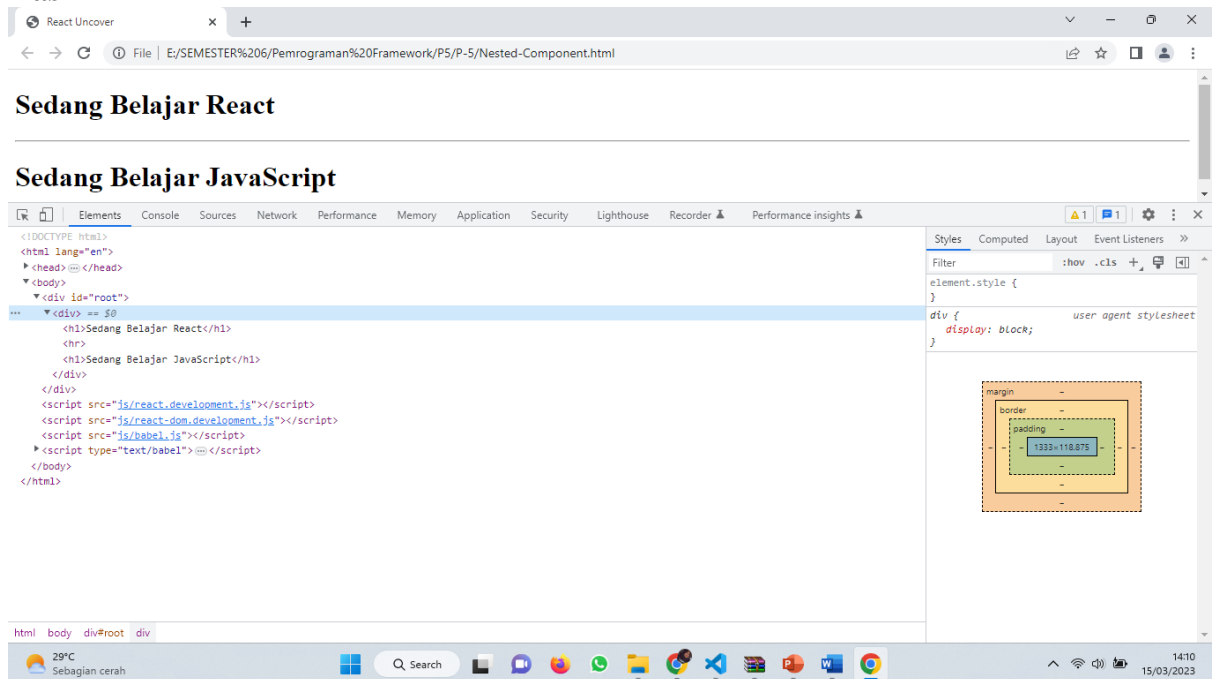


### 3. Nested Component(14)

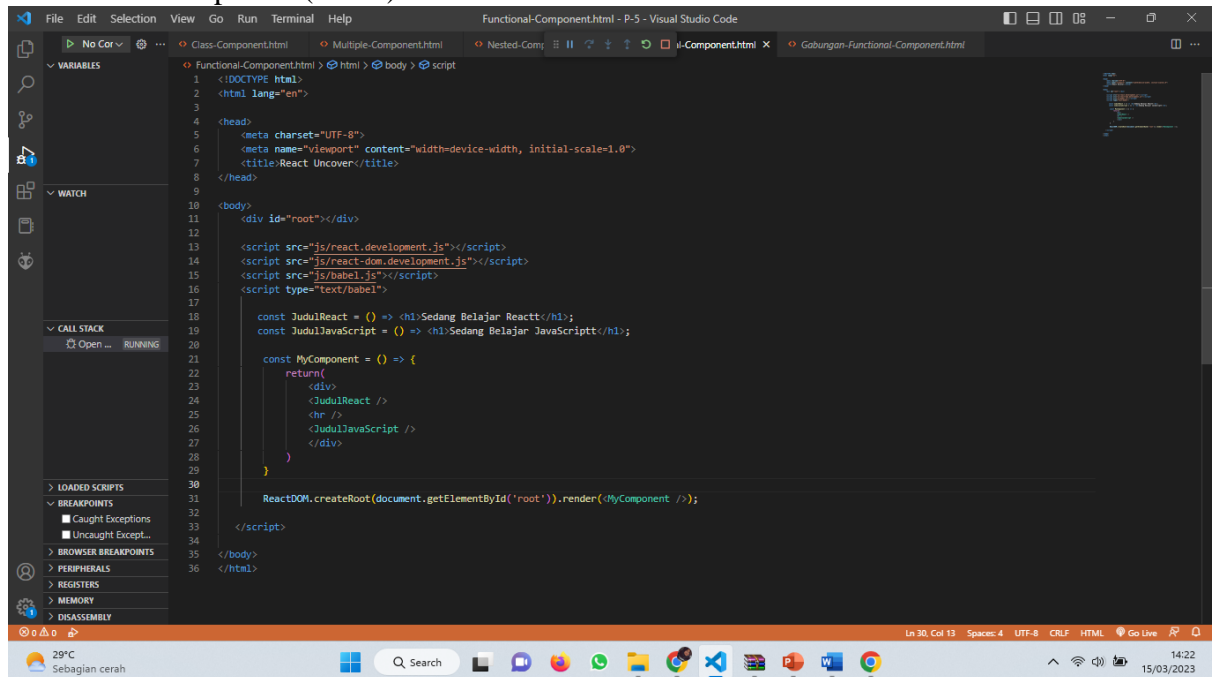


The screenshot shows the Visual Studio Code editor with a file named 'Nested-Component.html'. The code defines three React components: `JudulReact`, `JudulJavaScript`, and `MyComponent`. `JudulReact` renders `<h1>Sedang Belajar React</h1>`. `JudulJavaScript` renders `<h1>Sedang Belajar JavaScript</h1>`. `MyComponent` renders a `<div>` containing `<JudulReact />` and `<JudulJavaScript />`. The `ReactDOM.createRoot` function is used to render the `MyComponent` into the `root` div.

### Hasil



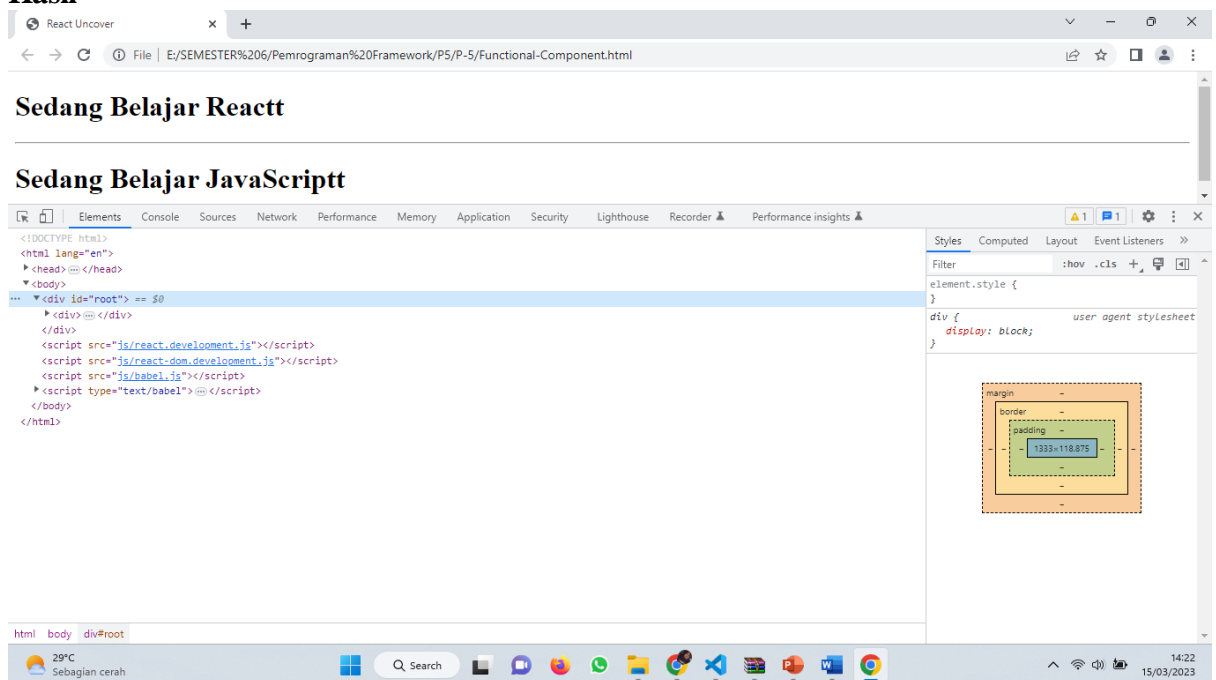
#### 4. Functional Component(15-16)



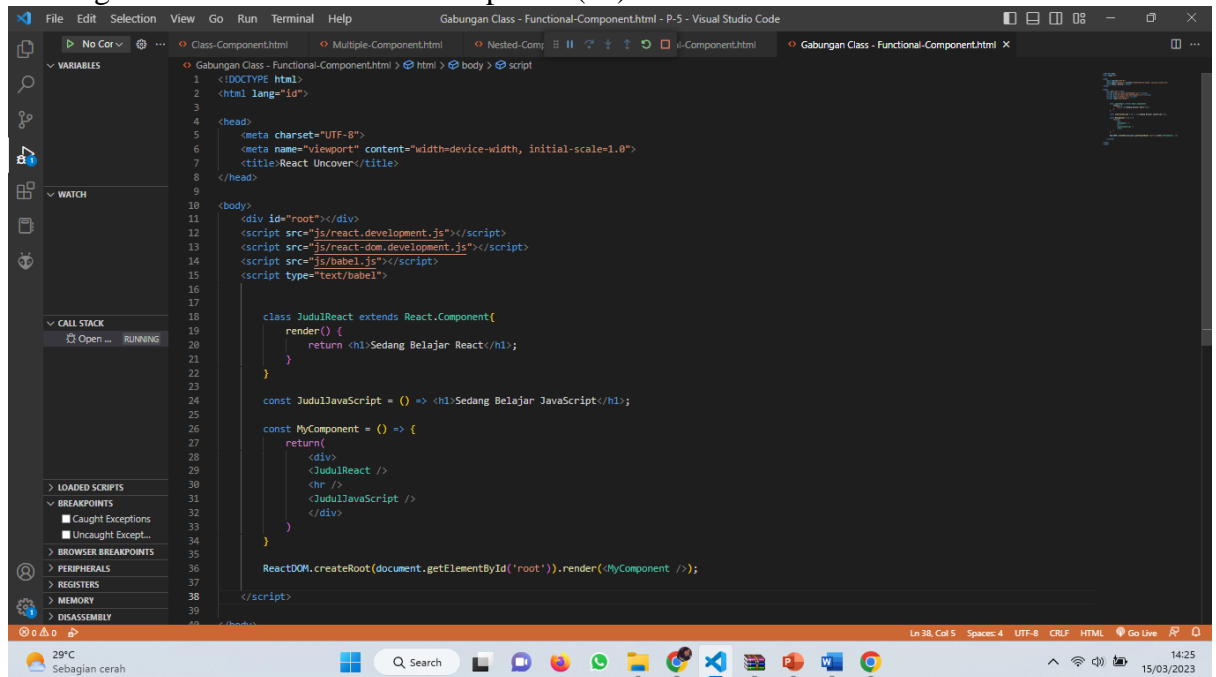
The screenshot shows the Visual Studio Code editor with a file named 'Functional-Component.html'. The code is as follows:

```
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 React</h1>;
19     const JudulJavaScript = () => <h1>Sedang Belajar JavaScript</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

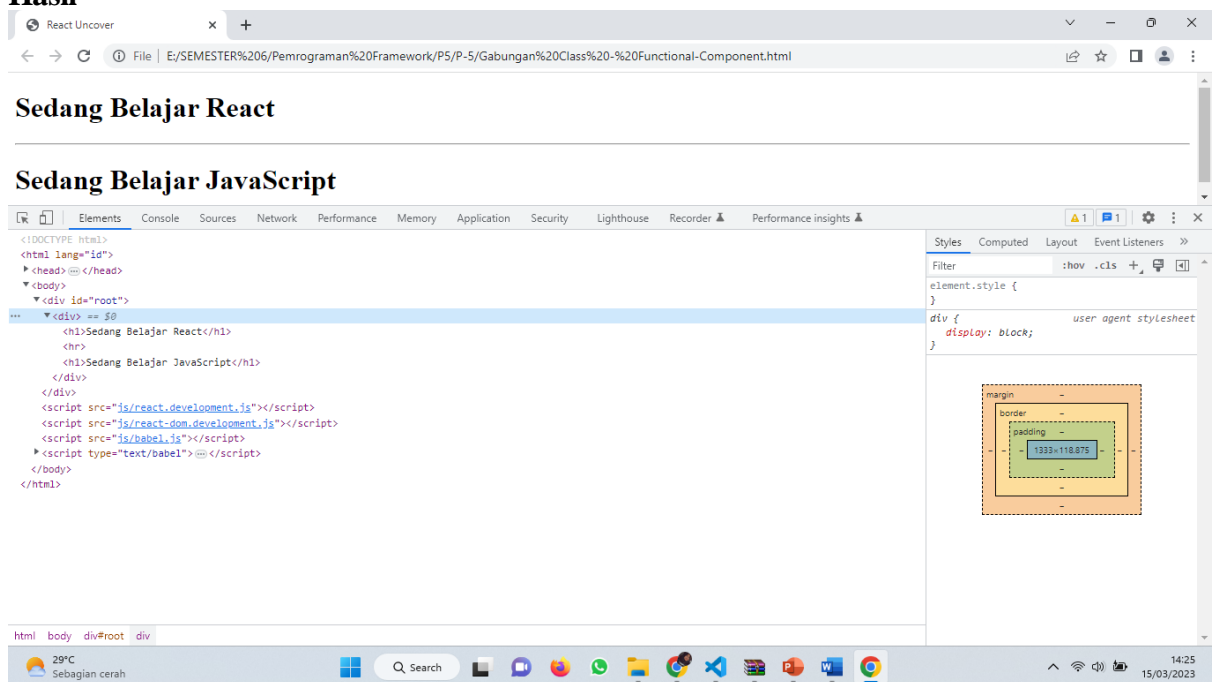


## 5. Gabungan Class dan Functional Component(17)

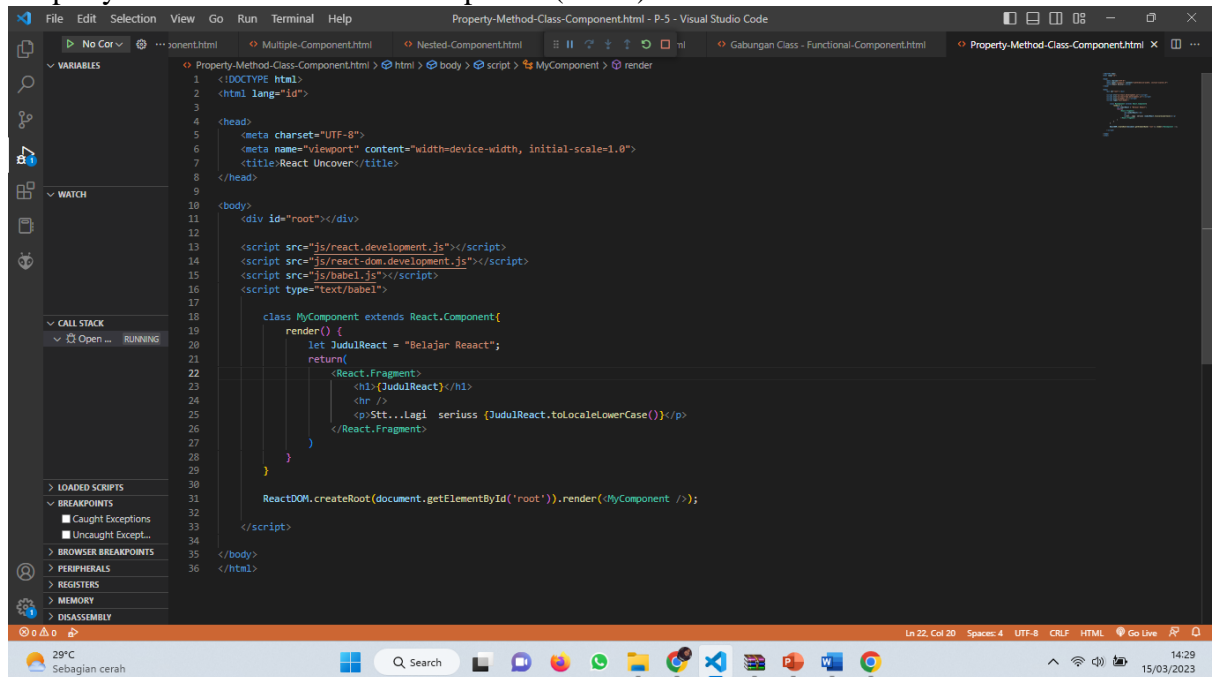


```
1 <!DOCTYPE html>
2 <html lang="id">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>React Uncover</title>
8 </head>
9
10 <body>
11   <div id="root"></div>
12   <script src="js/react.development.js"></script>
13   <script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

### Hasil

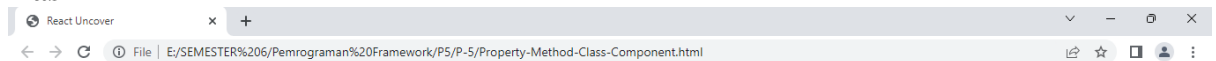


## 6. Property dan Method di Class Component(18-21)



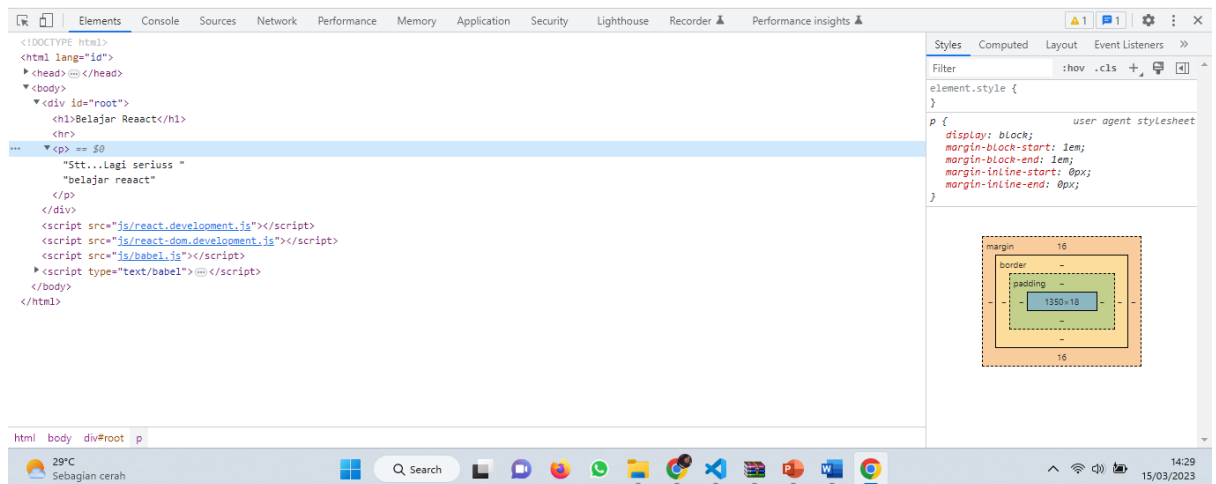
```
1 <!DOCTYPE html>
2 <html lang="id">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>React Uncover</title>
8 </head>
9
10 <body>
11   <div id="root"></div>
12
13   <script src="js/react.development.js"></script>
14   <script 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 serius {JudulReact.toLocaleLowerCase()}</p>
26           </React.Fragment>
27         )
28       }
29     }
30
31     ReactDOM.createRoot(document.getElementById('root')).render(<MyComponent />);
32   </script>
33 </body>
34 </html>
```

### Hasil

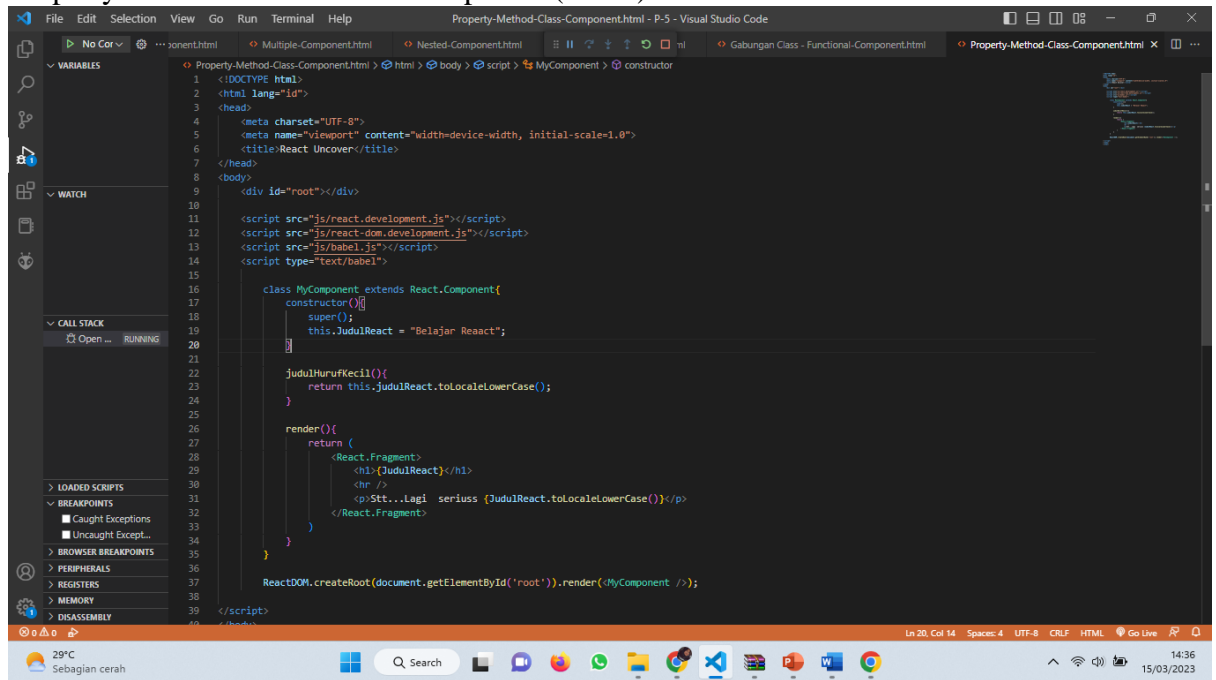


### Belajar React

Stt...Lagi serius belajar react



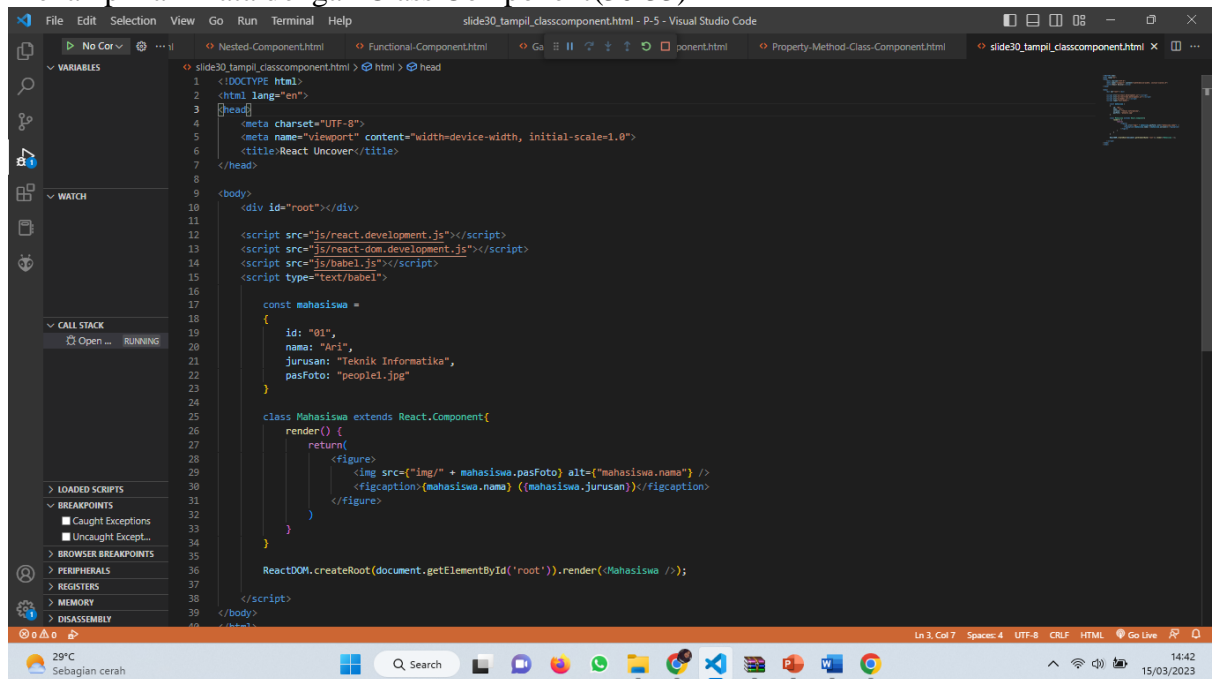
## 7. Property dan Method di Class Component(22-28)



The screenshot shows a Visual Studio Code editor with a file named 'Property-Method-Class-Component.html'. The code is a React Class Component named 'MyComponent' that extends 'React.Component'. It has a constructor that calls 'super()' and sets 'this.judulReact' to 'Belajar React'. The 'render()' method returns a React element consisting of a heading 'JudulReact' and a paragraph 'Stt...Lagi serius (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 serius {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)

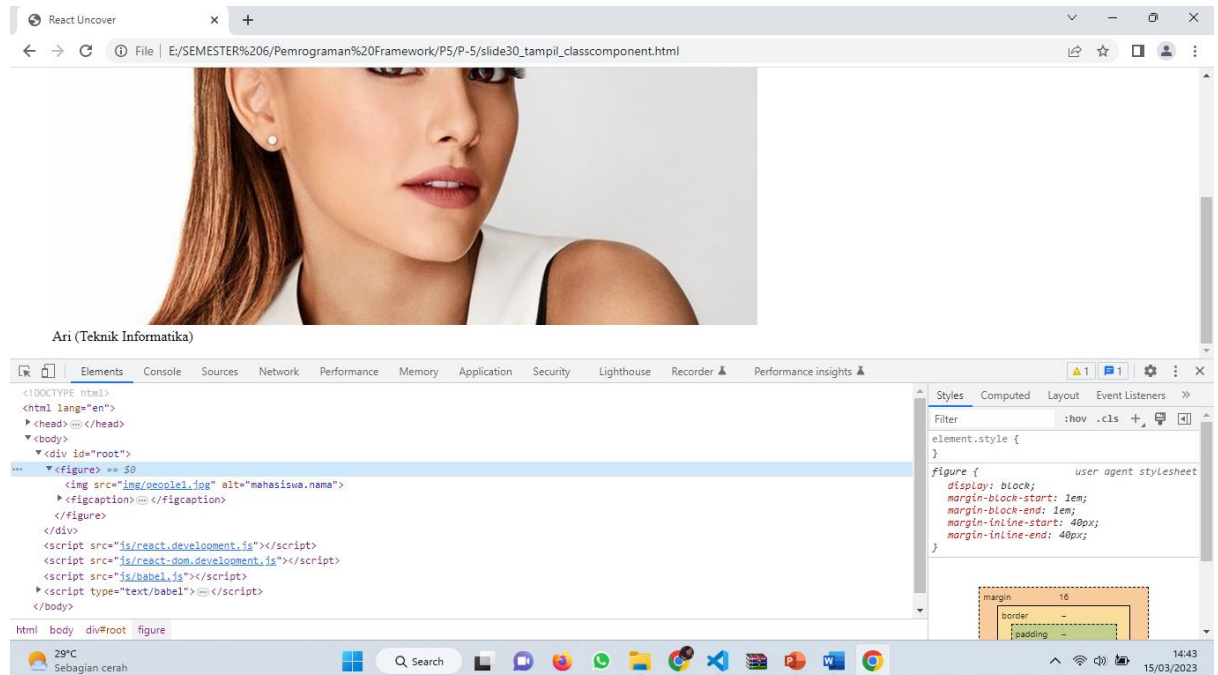


The screenshot shows a Visual Studio Code editor with a file named 'slide30\_tampil\_classcomponent.html'. The code is a React Class Component named 'Mahasiswa' that extends 'React.Component'. It has a 'render()' method that returns a React element consisting of a figure with an image and a caption. The data is taken from a constant 'mahasiswa' which contains an object with 'id', 'nama', 'jurusan', and 'pasFoto' properties. The component is rendered using 'ReactDOM.createRoot'.

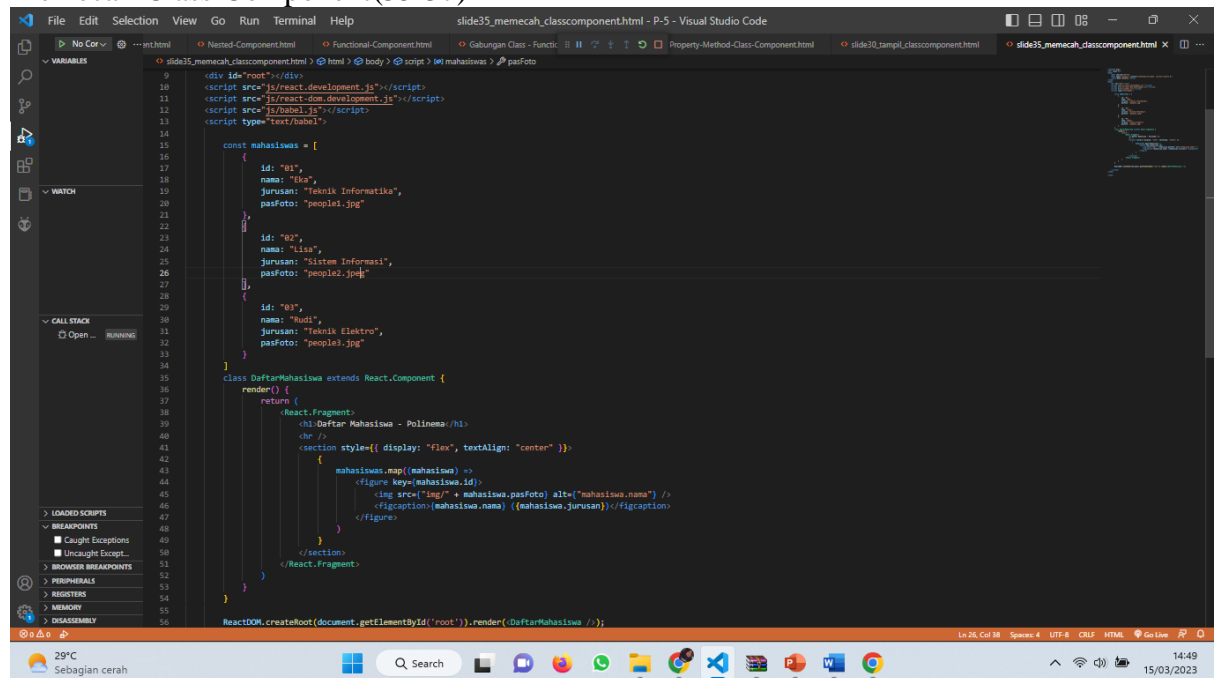
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>React Uncover</title>
7 </head>
8 <body>
9   <div id="root"></div>
10
11   <script src="js/react.development.js"></script>
12   <script src="js/react-dom.development.js"></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
26       render() {
27         return(
28           <figure>
29             
30             <figcaption>{mahasiswa.nama} {mahasiswa.jurusan}</figcaption>
31           </figure>
32         )
33       }
34     }
35
36     ReactDOM.createRoot(document.getElementById('root')).render(<Mahasiswa />);
37   </script>
38 </body>
39 </html>
```



## Hasil



## 9. Memecah Class Component(35-37)



React Uncover

File | E:\SEMESTER%206\Pemrograman%20Framework\P5\P-5\slide35\_memecah\_classcomponent.html

Eka (Teknik Informatika)

Lika (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 - Polinema</h1>
      <hr>
      <section style="display: flex; text-align: center;">
        </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">
    </body>
  </html>
```

html body div#root

Styles Computed Layout Event Listeners

Filter :hover .cls +

element.style { }

div { user agent stylesheet  
display: block;

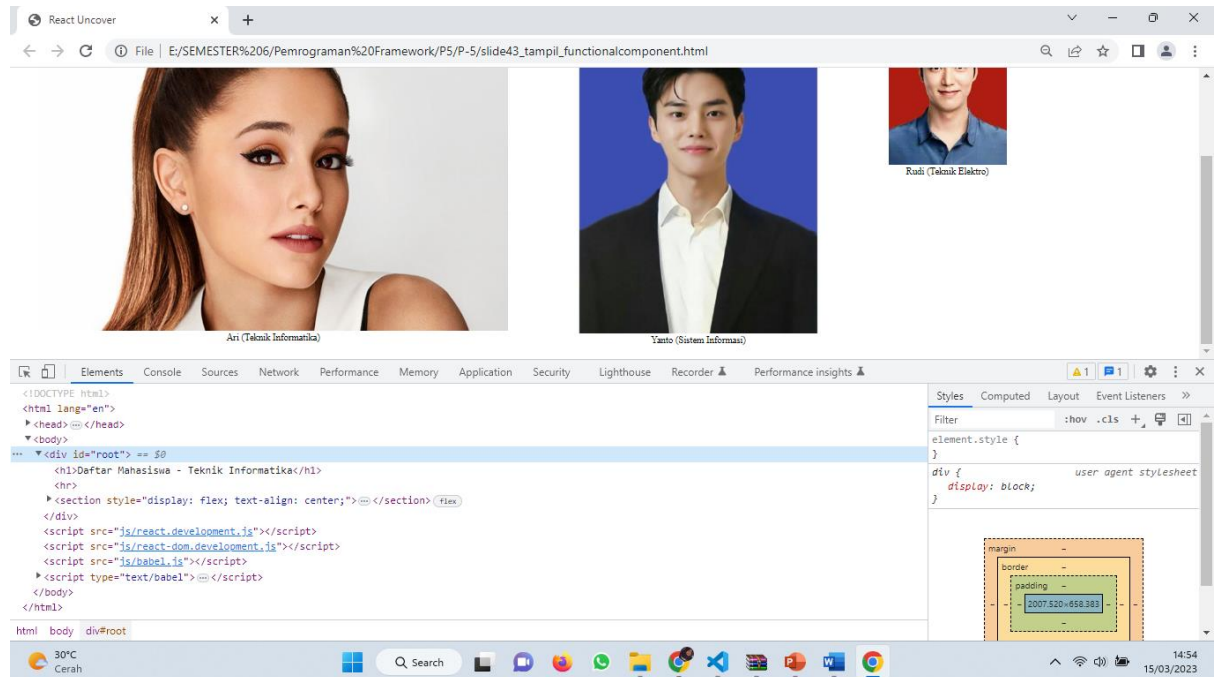
margin  
border  
padding  
2007.520x658.383

29°C Sebagian cerah

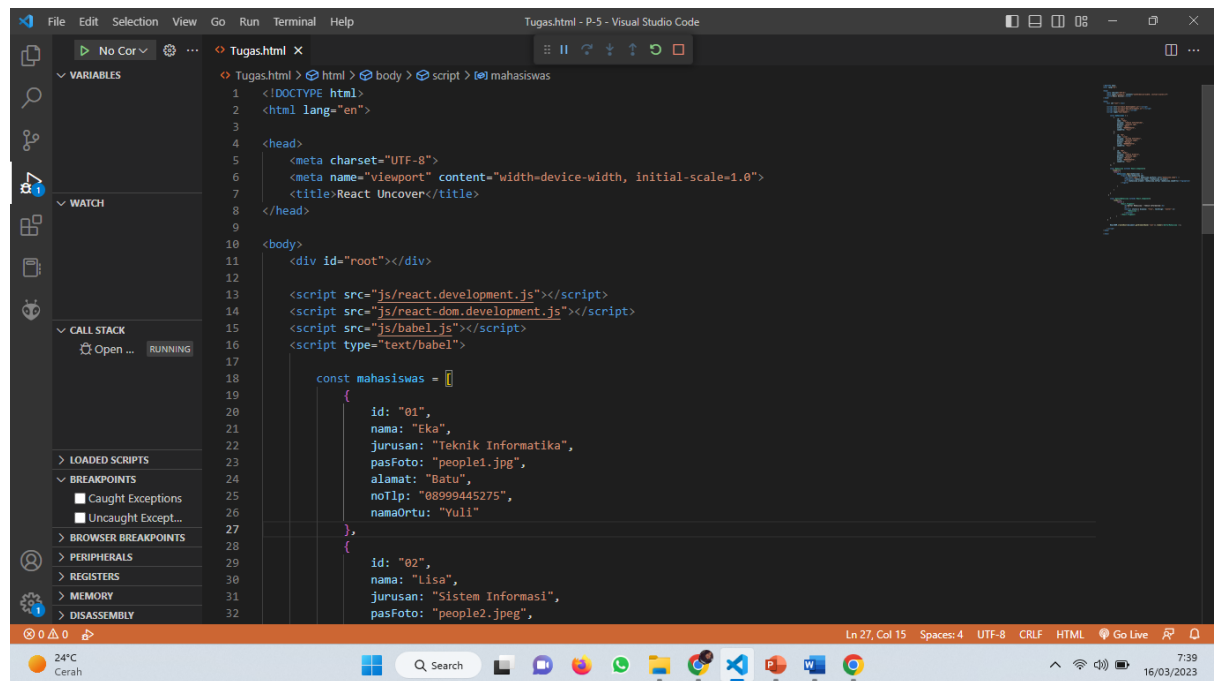
Search

14:49 15/03/2023

## Hasil



## ---TUGAS---



```
File Edit Selection View Go Run Terminal Help
Tugas.html - P-5 - Visual Studio Code

Tugas.html x
Tugas.html > html > body > script > mahasiswa
33
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46
47
48
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50
51
52
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56
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60
61
62
63
64

class Mahasiswa extends React.Component{
  render(){
    return (
      mahasiswa.map(mahasiswa =>
        <figure key={mahasiswa.id}>
          <img src={"img/" + mahasiswa.pasFoto} alt={"mahasiswa.nama"} />
          <figcaption>{mahasiswa.nama} ({mahasiswa.jurusan})
          <br/>{mahasiswa.alamat} {mahasiswa.noTlp} {mahasiswa.namaOrtu}</figcaption>
        </figure>
      )
    )
  }
}
```

```
File Edit Selection View Go Run Terminal Help
Tugas.html - P-5 - Visual Studio Code

Tugas.html x
Tugas.html > html > body > script > mahasiswa
50
51
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68
69
70
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85

class DaftarMahasiswa extends React.Component{
  render(){
    return (
      <React.Fragment>
        <h1>Daftar Mahasiswa - Teknik Informatika</h1>
        <hr />
        <section style={{ display: "flex", textAlign: "center" }}>
          <Mahasiswa />
        </section>
      </React.Fragment>
    )
  }
}

ReactDOM.createRoot(document.getElementById('root')).render(<DaftarMahasiswa />);

</script>
</body>
</html>
```

# HASIL

