

TUGAS MINGGU 6
PEMROGRAMAN FRAMEWORK

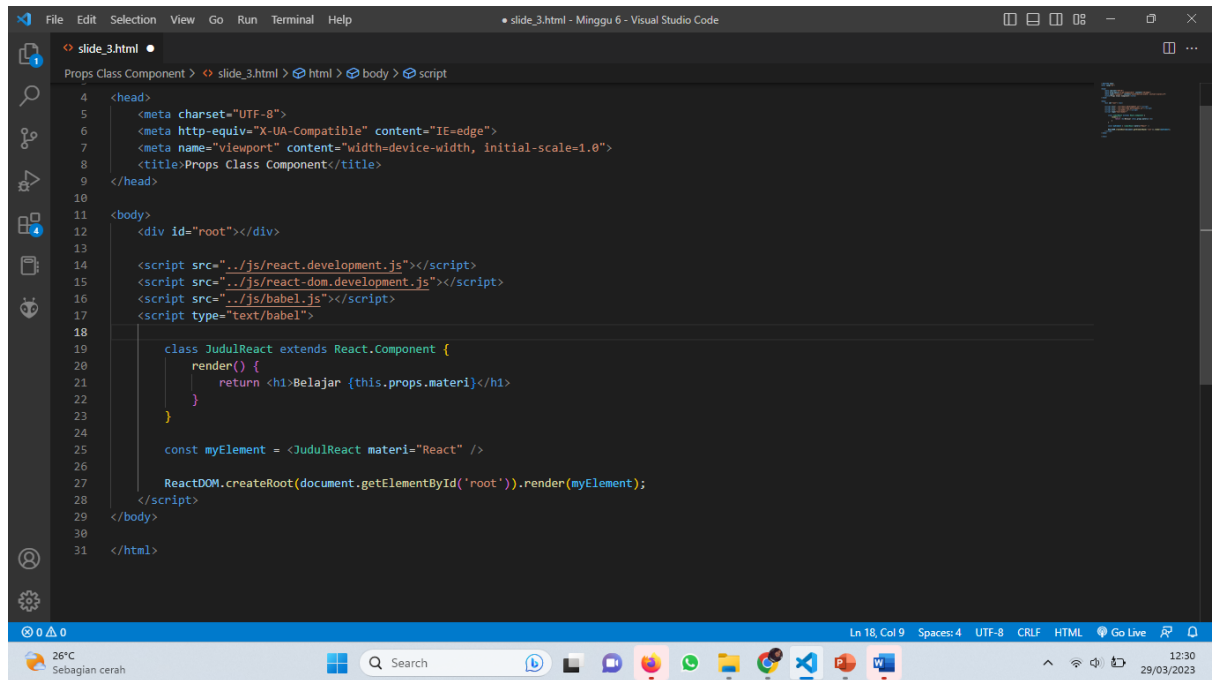


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JURUSAN TEKNOLOGI INFORMASI
PRODI D-IV TEKNIK INFORMATIKA
POLITEKNIK NEGERI MALANG
2023

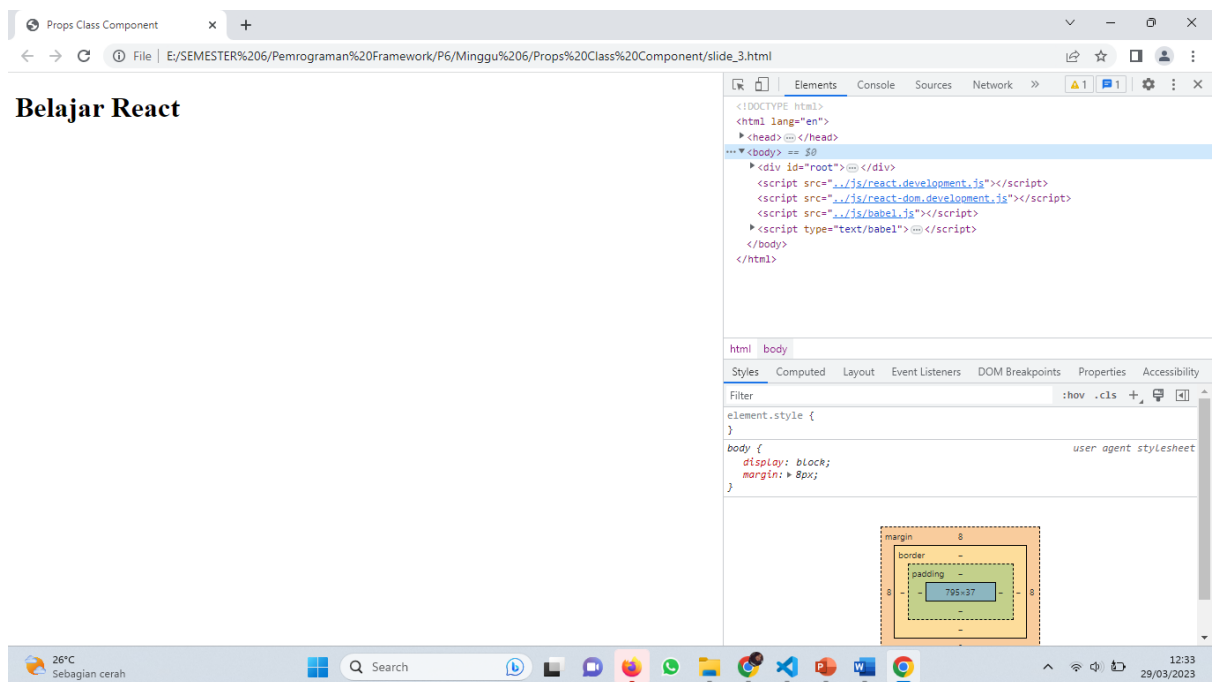
1. PROPS DI CLASS COMPONENT

- Slide 3

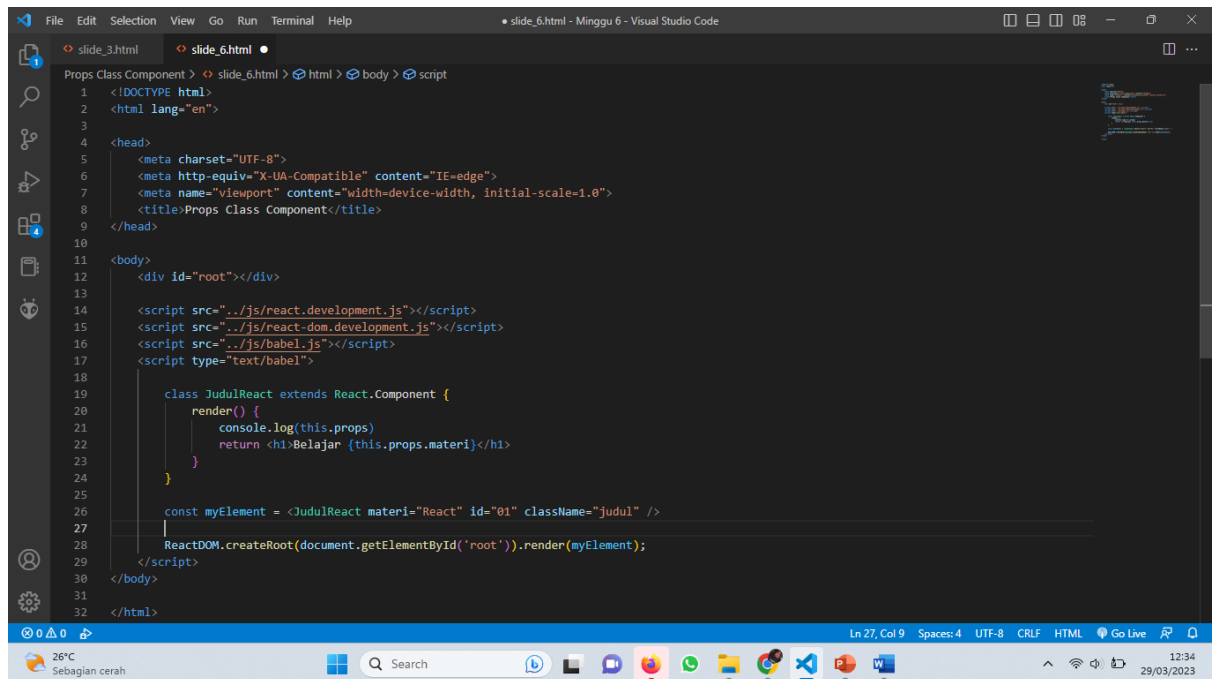


```
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <title>Props Class Component</title>
9 </head>
10
11 <body>
12   <div id="root"></div>
13
14   <script src="../js/react.development.js"></script>
15   <script src="../js/react-dom.development.js"></script>
16   <script src="../js/babel.js"></script>
17   <script type="text/babel">
18
19     class JudulReact extends React.Component {
20       render() {
21         return <h1>Belajar {this.props.materi}</h1>
22       }
23     }
24
25     const myElement = <JudulReact materi="React" />
26
27     ReactDOM.createRoot(document.getElementById("root")).render(myElement);
28   </script>
29 </body>
30
31 </html>
```

Hasil



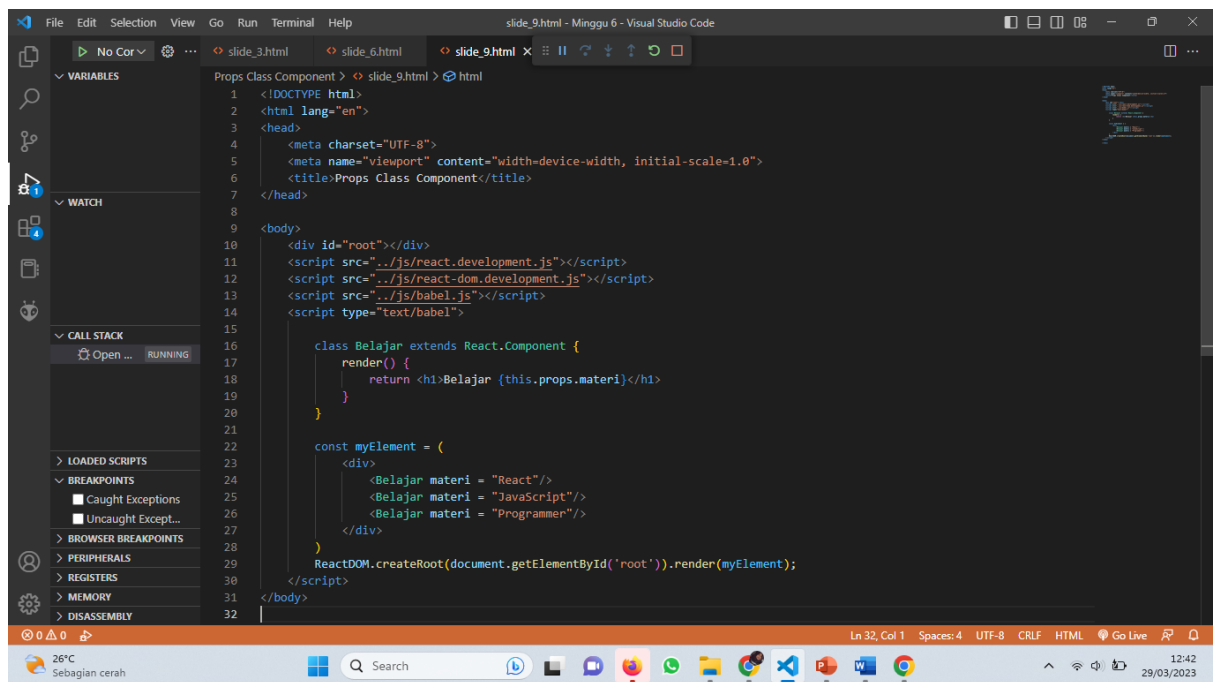
- Slide 6 - 7



The screenshot shows the Visual Studio Code editor with the file 'slide_6.html' open. The code is a React component named 'JudulReact' that renders a heading 'Belajar' with the material 'React'. The component is rendered into a root div with id 'root'.

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <title>Props Class Component</title>
9 </head>
10
11 <body>
12   <div id="root"></div>
13
14   <script src="../js/react.development.js"></script>
15   <script src="../js/react-dom.development.js"></script>
16   <script src="../js/babel.js"></script>
17   <script type="text/babel">
18
19     class JudulReact extends React.Component {
20       render() {
21         console.log(this.props)
22         return <h1>Belajar {this.props.materi}</h1>
23       }
24     }
25
26     const myElement = <JudulReact materi="React" id="01" className="judul1" />
27
28     ReactDOM.createRoot(document.getElementById('root')).render(myElement);
29   </script>
30 </body>
31 </html>
```

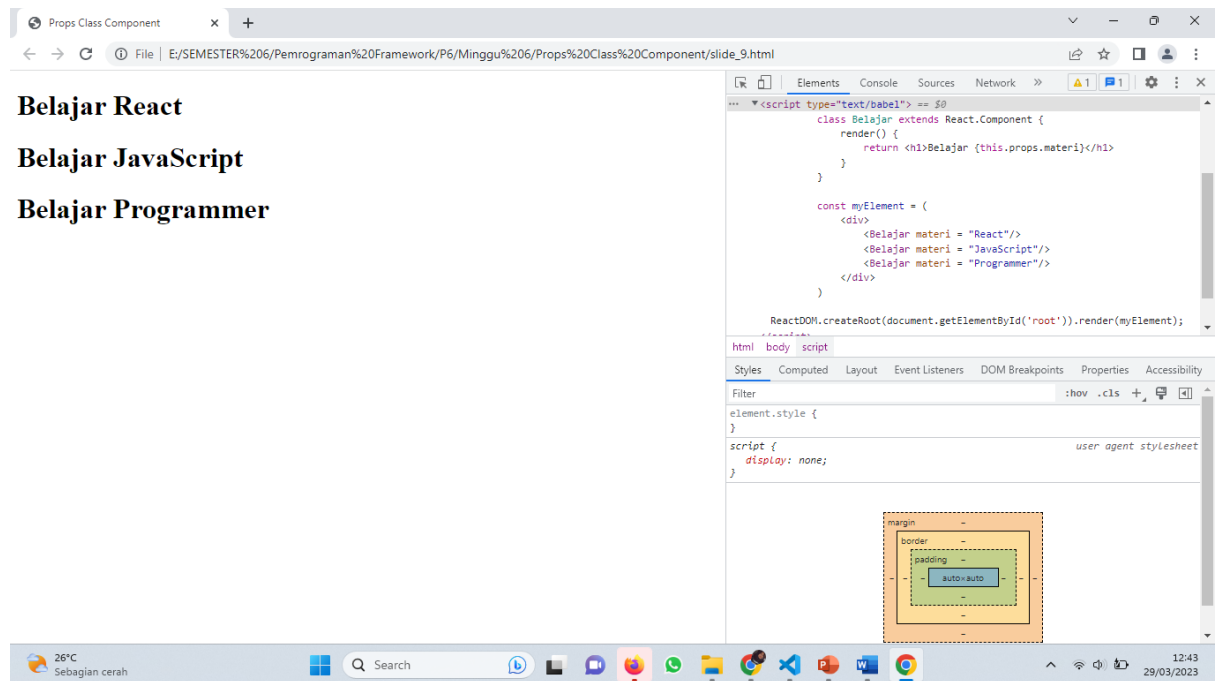
- Slide 9



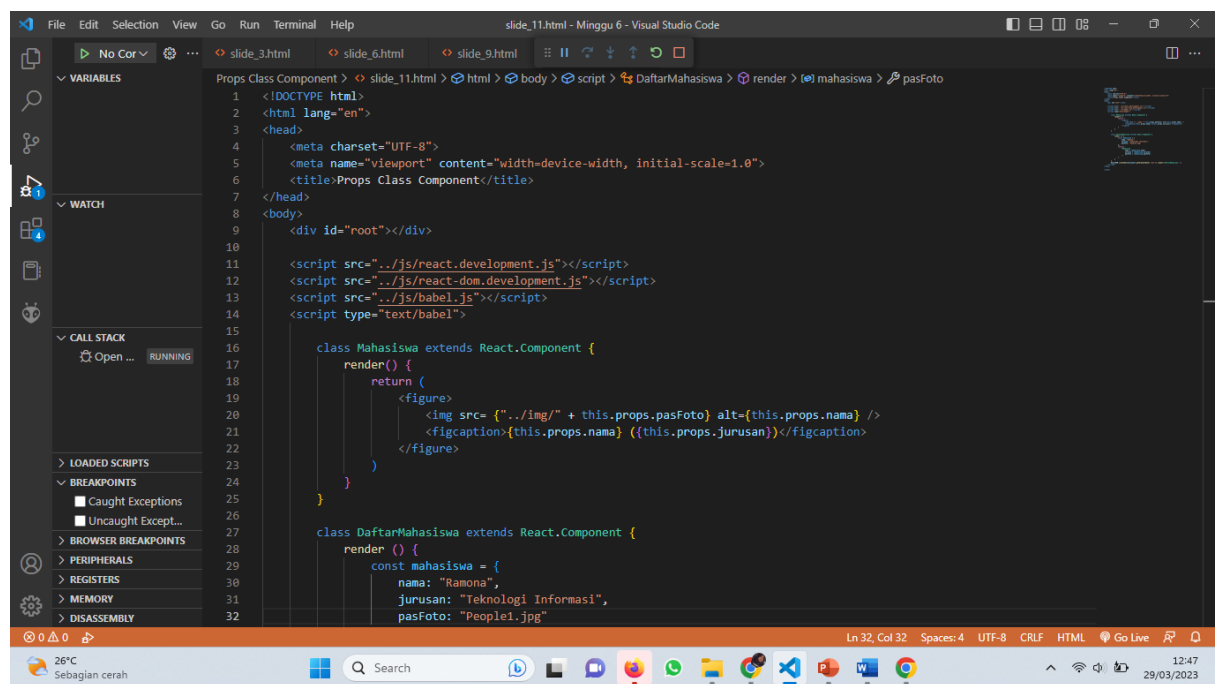
The screenshot shows the Visual Studio Code editor with the file 'slide_9.html' open. The code is a React component named 'Belajar' that renders a list of materials: 'React', 'JavaScript', and 'Programmer'. The component is rendered into a root div with id 'root'.

```
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>Props Class Component</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 Belajar extends React.Component {
19       render() {
20         return <h1>Belajar {this.props.materi}</h1>
21       }
22     }
23
24     const myElement = (
25       <div>
26         <Belajar materi = "React"/>
27         <Belajar materi = "JavaScript"/>
28         <Belajar materi = "Programmer"/>
29       </div>
30     )
31
32     ReactDOM.createRoot(document.getElementById('root')).render(myElement);
33   </script>
34 </body>
35 </html>
```

Hasil

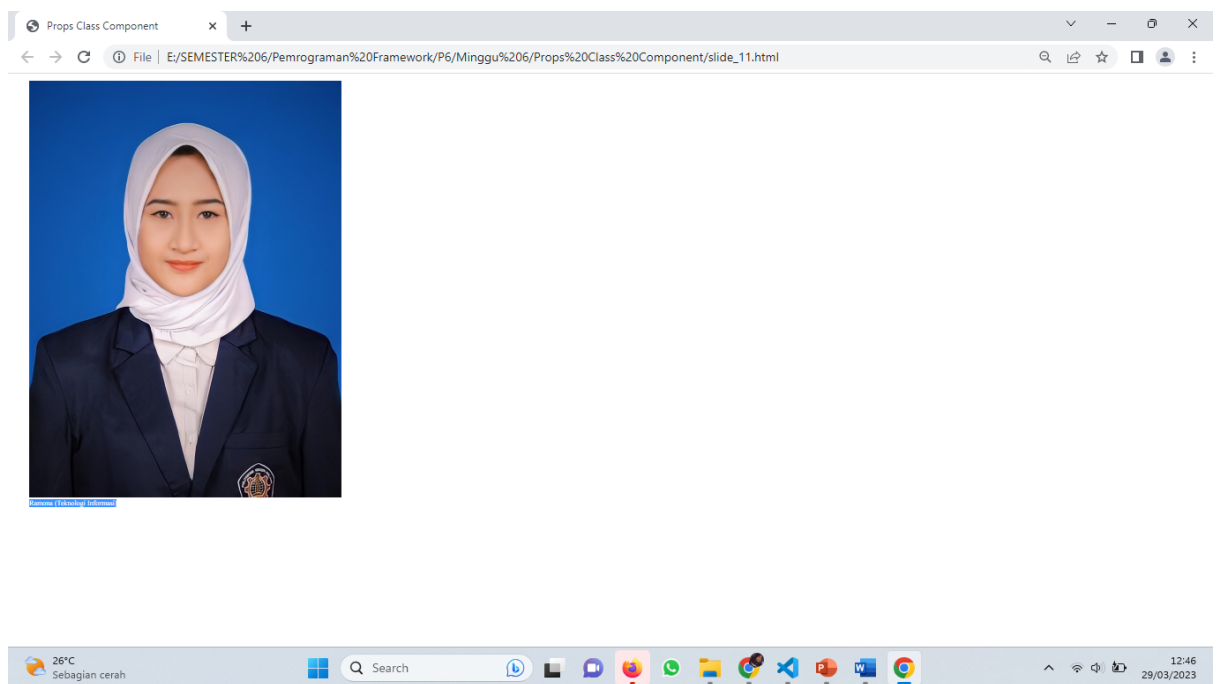


- Slide 11



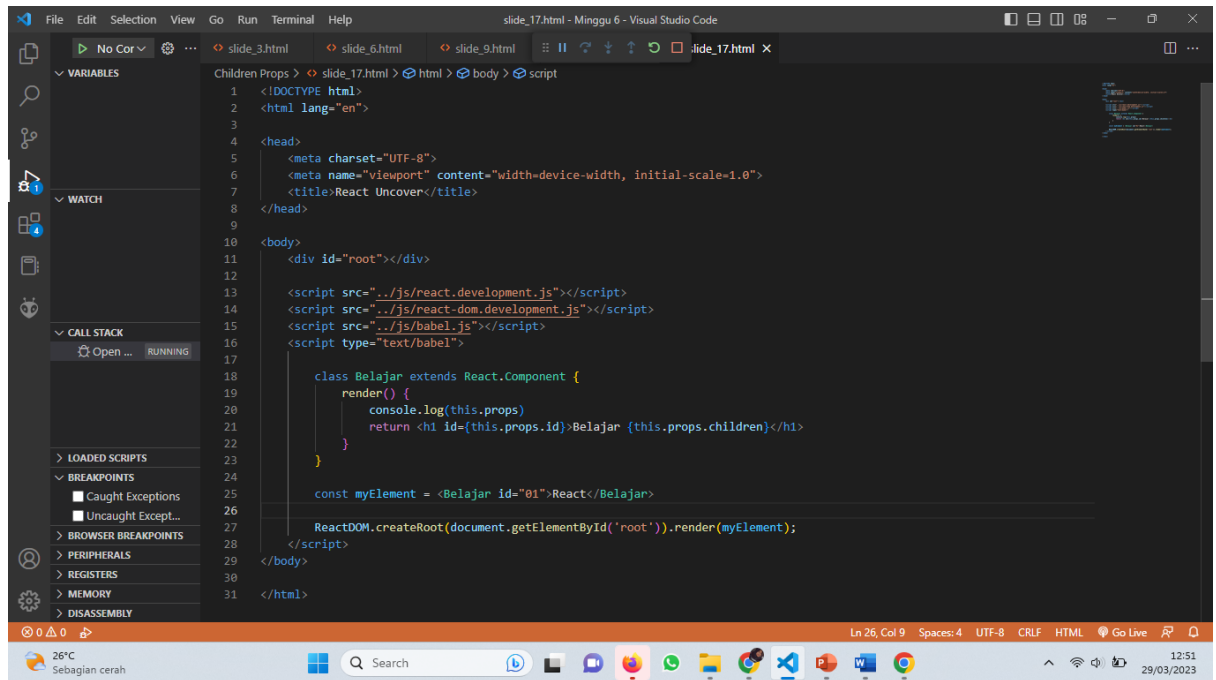
```
17 render() {
18   return (
19     <figure>
20       <img src= {this.props.pasFoto} alt={this.props.nama} />
21       <figcaption>{this.props.nama} {this.props.jurusan}</figcaption>
22     </figure>
23   )
24 }
25
26
27 class DaftarMahasiswa extends React.Component {
28   render () {
29     const mahasiswa = {
30       nama: "Ramona",
31       jurusan: "Teknologi Informasi",
32       pasFoto: "People1.jpg"
33     };
34     return(
35       <Mahasiswa
36         nama = {mahasiswa.nama}
37         jurusan = {mahasiswa.jurusan}
38         pasFoto = {mahasiswa.pasFoto}
39       />
40     )
41   }
42 }
43 ReactDOM.createRoot(document.getElementById('root')).render(<DaftarMahasiswa />)
44 </script>
45 </body>
46
47 </html>
```

Hasil



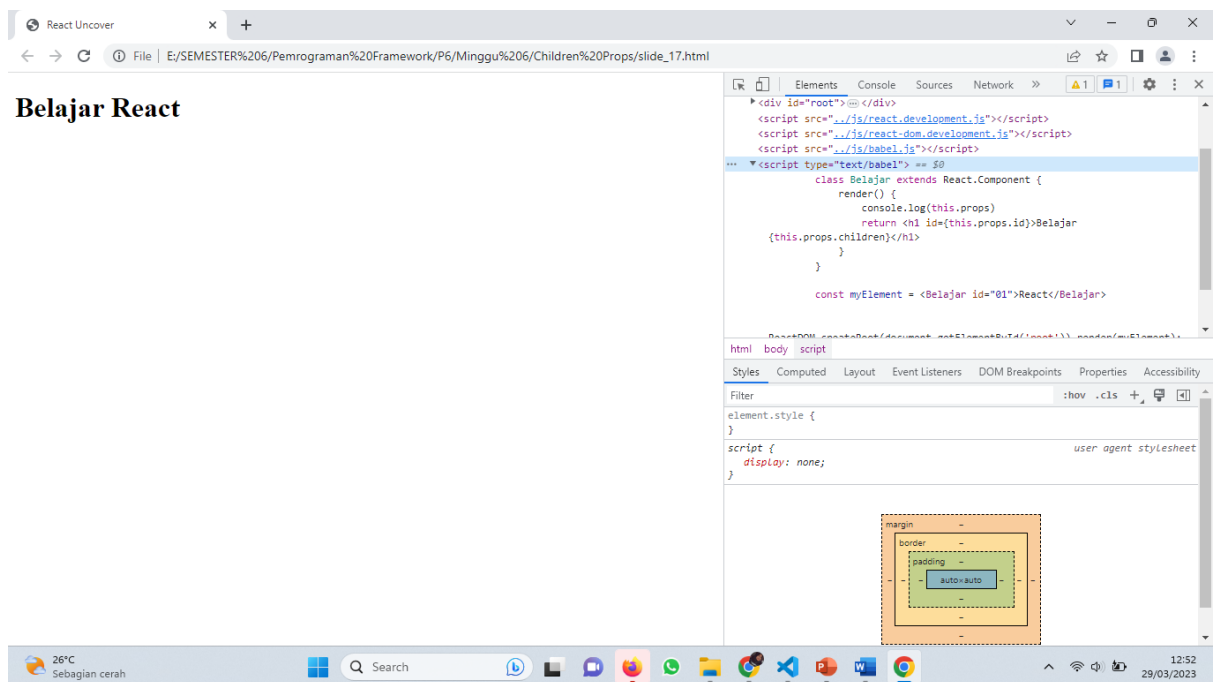
2. Childen Props

- Slide 17



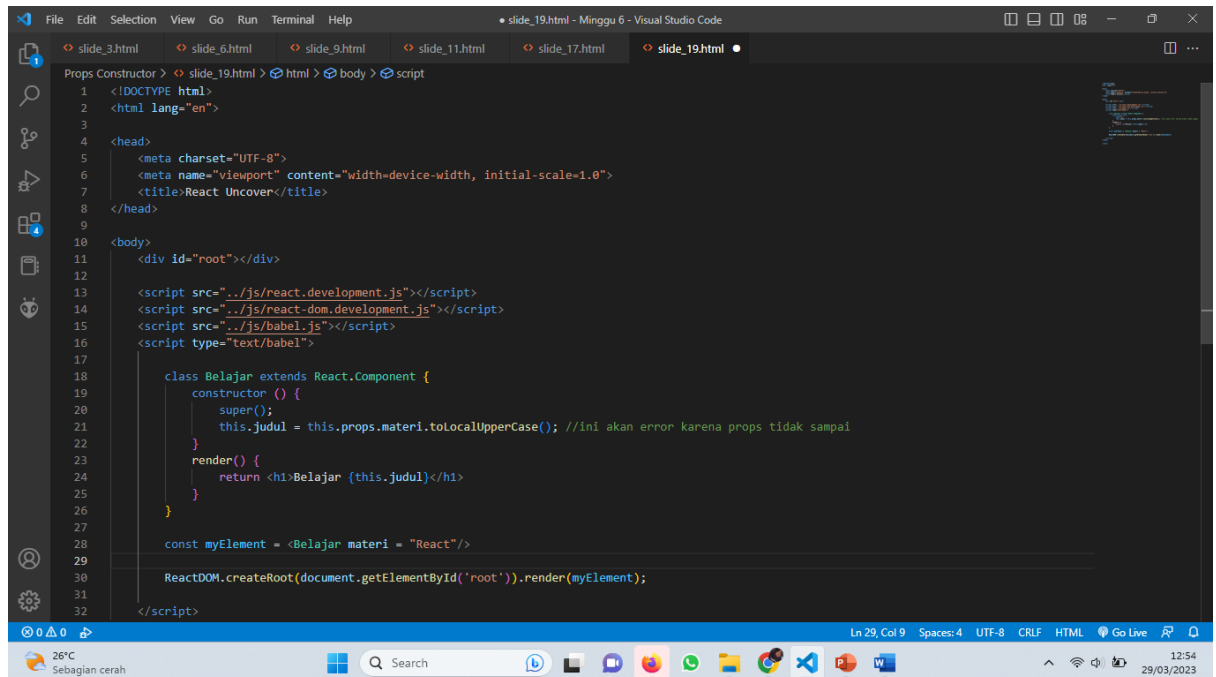
```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>React Uncover</title>
8 </head>
9
10 <body>
11   <div id="root"></div>
12
13   <script src="../../js/react.development.js"></script>
14   <script src="../../js/react-dom.development.js"></script>
15   <script src="../../js/babel.js"></script>
16   <script type="text/babel">
17
18     class Belajar extends React.Component {
19       render() {
20         console.log(this.props)
21         return <h1 id={this.props.id}>Belajar {this.props.children}</h1>
22       }
23     }
24
25     const myElement = <Belajar id="01">React</Belajar>
26
27     ReactDOM.createRoot(document.getElementById('root')).render(myElement);
28
29   </script>
30 </body>
31 </html>
```

Hasil



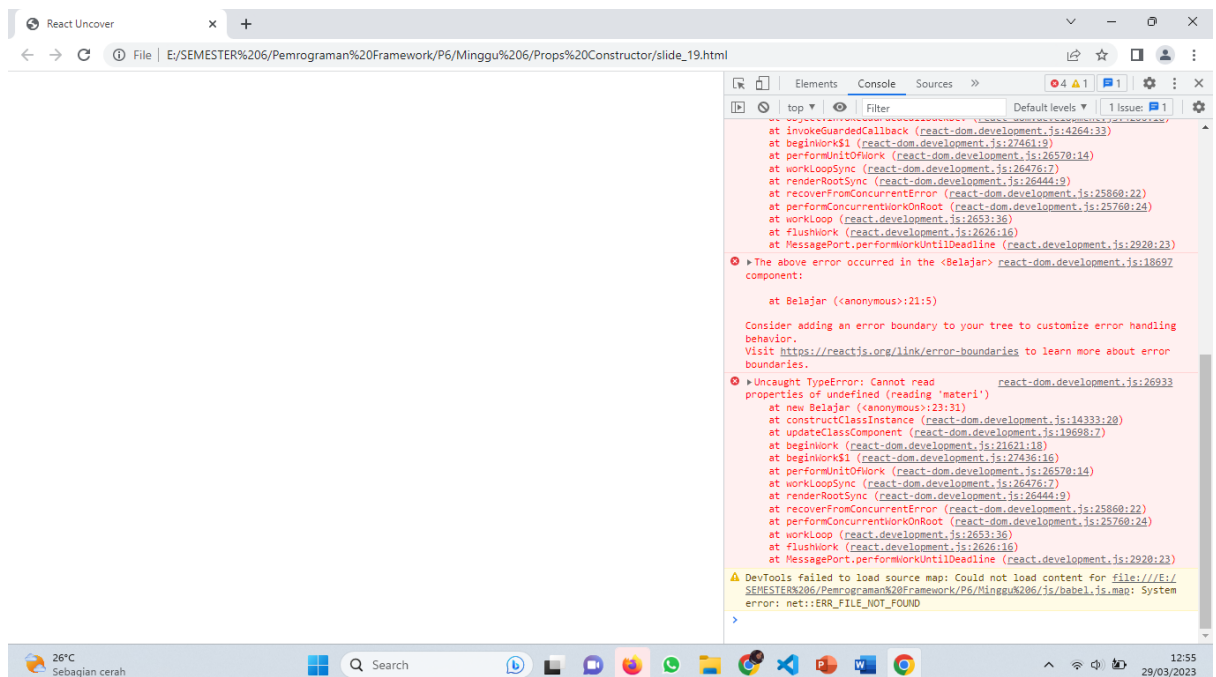
3. Mengakses Props di Constructor

- Slide 19



```
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 Belajar extends React.Component {
19       constructor () {
20         super();
21         this.judul = this.props.materi.toLowerCase(); //ini akan error karena props tidak sampai
22       }
23       render() {
24         return <h1>Belajar {this.judul}</h1>
25       }
26     }
27
28     const myElement = <Belajar materi = "React">
29
30     ReactDOM.createRoot(document.getElementById('root')).render(myElement);
31
32   </script>
```

Hasil (**ERROR**)



- Slide 21-24

```
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 Belajar = (props) => <h1>Belajar {props.materi}</h1>
19
20     const myElement = (
21       <div>
22         <Belajar materi="React"/>
23         <Belajar materi="JavaScript"/>
24         <Belajar materi="Programmer"/>
25       </div>
26     )
27     ReactDOM.createRoot(document.getElementById('root')).render(myElement);
28   </script>
29 </body>
30
31 </html>
```


TUGAS 1

The image displays two screenshots of a Visual Studio Code editor window, showing the development of a React application. The top screenshot shows the initial setup with a basic HTML structure and a class component. The bottom screenshot shows the completion of the component with a list of data and a map function to render it.

Top Screenshot:

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <title>Document</title>
9 </head>
10
11 <body>
12   <div id="root"></div>
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 Mahasiswas extends React.Component {
19       render() {
20         return (
21           <figure key={this.props.id}>
22             <img src={this.props.pasFoto} alt={this.props.nama} />
23             <figcaption>{this.props.nama} ({this.props.type})</figcaption>
24           </figure>
25         )
26       }
27     }
28
29     class DaftarMahasiswa extends React.Component {
30       render() {
31         const mahasiswa = [
32
```

Bottom Screenshot:

```
27
28
29     class DaftarMahasiswa extends React.Component {
30       render() {
31         const mahasiswa = [
32           {
33             id: 1,
34             nama: "Ramona",
35             type: "Mahasiswa",
36             pasFoto: "../img/people1.jpg"
37           },
38           {
39             id: 2,
40             nama: "Ramona",
41             type: "Mahasiswa",
42             pasFoto: "../img/people1.jpg"
43           },
44           {
45             id: 3,
46             nama: "Ramona Andhani",
47             type: "Mahasiswa",
48             pasFoto: "../img/people1.jpg"
49           }
50         ];
51         return (
52           <React.Fragment>
53             <h1><center>DAFTAR MAHASISWA</center></h1>
54             <hr />
55             <section style={{display: "flex", textAlign: "center"}}>
56               {
57                 mahasiswa.map((mhs, key) =>
58                   <Mahasiswas id={mhs.id} nama={mhs.nama} type={mhs.type} pasFoto={mhs.pasFoto}/>
59                 )
60               }
61             </section>
62           </React.Fragment>
63         )
64       }
65     }
66
```

```
File Edit Selection View Go Run Terminal Help
Tugas01.html - Minggu 6 - Visual Studio Code

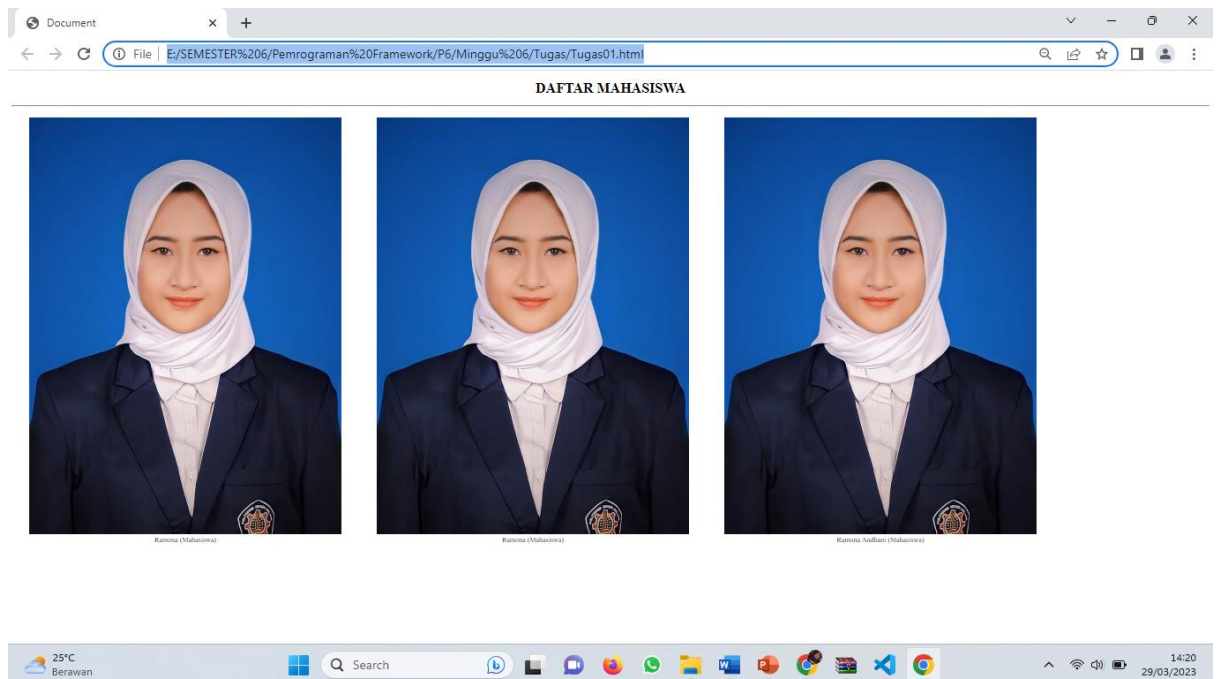
RUN AND DEBUG
Tugas01.html x Tugas02.html people1.JPG
Tugas > Tugas01.html > html > body > script > DaftarMahasiswa > render > mahasiswa > nama

43
44
45
46 id: 3,
47 nama: "Ramona Andhani",
48 type: "Mahasiswa",
49 pasFoto: "../img/people1.jpg"
50
51
52
53
54
55
56
57
58
59
60
61
62
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66
67
68
69
70
71

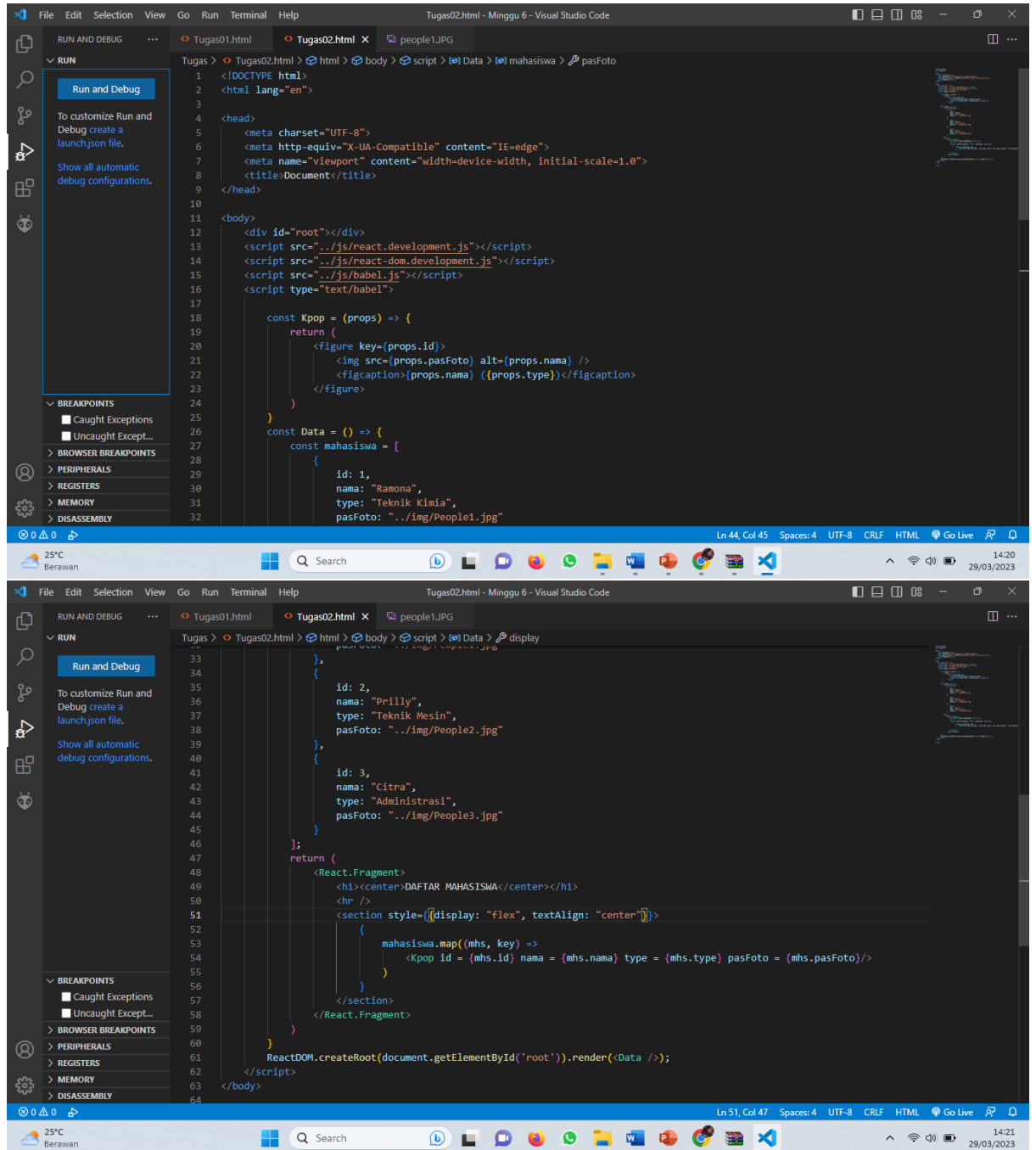
return (
  <React.Fragment>
    <h1><center>DAFTAR MAHASISWA</center></h1>
    <hr />
    <section style={{display: "flex", textAlign: "center"}}>
      {
        mahasiswa.map((mhs, key) =>
          <Mahasiswas id = {mhs.id} nama = {mhs.nama} type = {mhs.type} pasFoto = {mhs.pasFoto}/>
        )
      }
    </section>
  </React.Fragment>
)

ReactDOM.createRoot(document.getElementById("root")).render(<DaftarMahasiswa />);
</script>
</body>
</html>
```

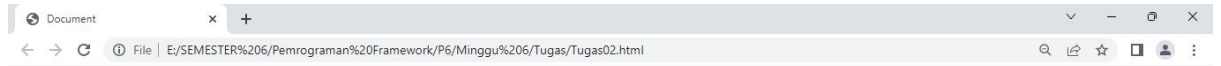
HASIL



TUGAS 2



HASIL



DAFTAR MAHASISWA



Ratna (Jahrik Kusni)



Prilly (Jahrik Kusni)



Citra (Administasi)

