TUGAS INDIVIDU

PEMROGRAMAN BERBASIS FRAMEWORK

PERTEMUAN 6

Disusun oleh:

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TI-3B/2041720184

D4 TEKNIK INFORMATIKA

TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2023

A. Props Class Component Percobaan 1
Code:

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Props Class Component</title>
</head>

<body>
    <div id="root"></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">
        class JudulReact extends React.Component {
            render() {
                return <h1>Belajar {this.props.materi}</h1>
            }
        }

        const myElement = <JudulReact materi="React" />
        ReactDOM.createRoot(document.getElementById('root')).render(myElement);
    </script>
</body>

</html>
```
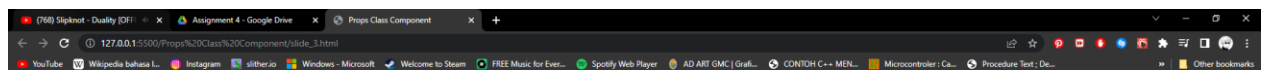
Hasil

Belajar React

B. Props Class Component Percobaan 2

Code:

```
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      <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          class JudulReact extends React.Component {
18              render() {
19                  console.log(this.props)
20                  return <h1>Belajar {this.props.materi}</h1>
21              }
22          }
23
24          const myElement = <JudulReact materi="React" id="01" className="judul" />
25          ReactDOM.createRoot(document.getElementById('root')).render(myElement);
26      </script>
27  </body>
28
29  </html>
```
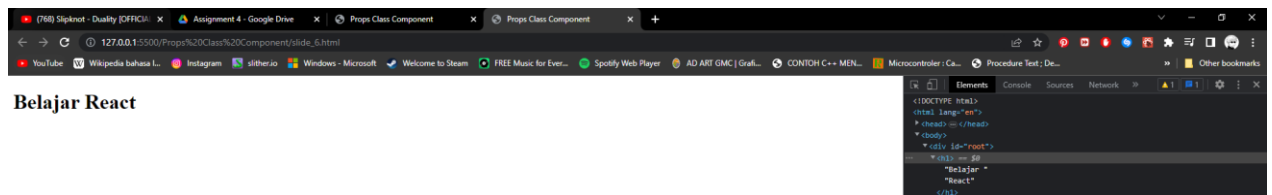
Hasil

C. Props Class Component Percobaan 3

Code:

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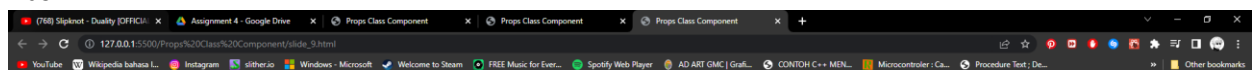
Hasil

Belajar React

Belajar JavaScript

Belajar Programmer

D. Props Class Component Percobaan 4

Code

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Props Class Component</title>
</head>

<body>
    <div id="root"></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">

        class Mahasiswa extends React.Component {
            render() {
                return (
                    <figure>
                        <img src= {"../img/" + this.props.pasFoto} alt={this.props.nama} />
                        <figcaption>{this.props.nama} ({this.props.jurusan})</figcaption>
                    </figure>
                )
            }
        }

        class DaftarMahasiswa extends React.Component {
            render () {
                const mahasiswa = {
                    nama: "Rijal",
                    jurusan: "Teknologi Informasi",
                    pasFoto: "dwl.jpeg"
                };
                return(
                    <Mahasiswa
                        nama = {mahasiswa.nama}
                        jurusan = {mahasiswa.jurusan}
                        pasFoto = {mahasiswa.pasFoto}
                    />
                )
            }
        }
        ReactDOM.createRoot(document.getElementById('root')).render(<DaftarMahasiswa />)
    </script>
</body>

</html>
```

Hasil

Rijal (Teknologi Informasi)

E. Children Props Percobaan 1
   Code:

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Props Class Component</title>
</head>

<body>
    <div id="root"></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">
        class Belajar extends React.Component {
            render() {
                console.log(this.props)
                return <h1 id={this.props.id}>Belajar {this.props.children}</h1>
            }
        }

        const myElement = <Belajar id="01">React</Belajar>
        ReactDOM.createRoot(document.getElementById('root')).render(myElement);
    </script>
</body>

</html>
```
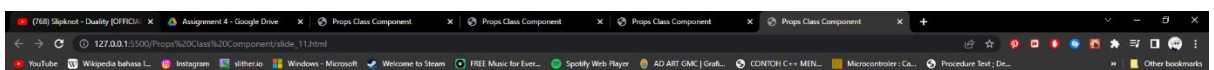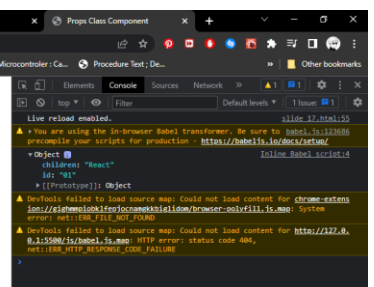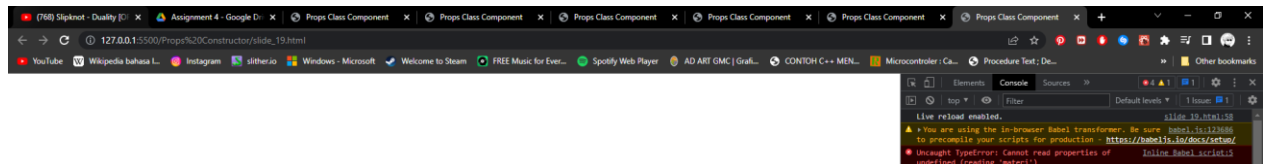
Hasil

Belajar React

F. Props Constructor Percobaan 1

Code:

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Props Class Component</title>
</head>

<body>
    <div id="root"></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">
        class Belajar extends React.Component {
            constructor () {
                super();
                this.judul = this.props.materi.toLocalUpperCase(); //ini akan error karena props tidak sampai
            }
            render() {
                return <h1>Belajar {this.judul}</h1>
            }
        }

        const myElement = <Belajar materi = "React"/>
        ReactDOM.createRoot(document.getElementById('root')).render(myElement);
    </script>
</body>

</html>
```

Hasil

Error karena props tidak sampai

G. Props Constructor Percobaan 2

Code:

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Props Class Component</title>
</head>

<body>
    <div id="root"></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">
        class Belajar extends React.Component {
            constructor (props) {
                super(props);
                this.judul = this.props.materi.toLocaleUpperCase(); //ini akan error karena props tidak sampai
            }
            render() {
                return <h1>Belajar {this.judul}</h1>
            }
        }

        const myElement = <Belajar materi = "React"/>
        ReactDOM.createRoot(document.getElementById('root')).render(myElement);
    </script>
</body>

</html>
```
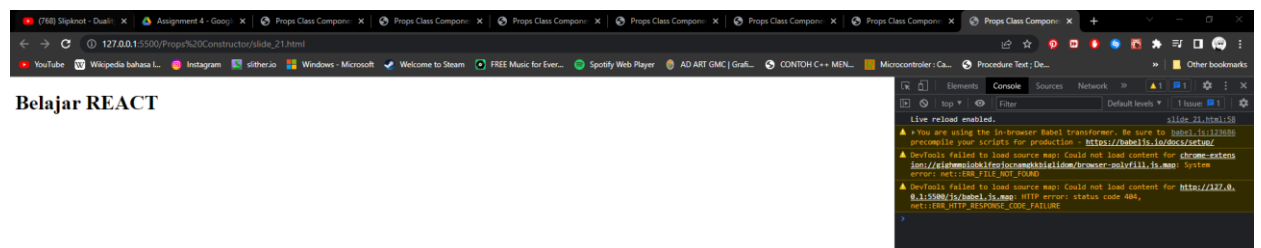
Hasil

H. Props Functional

Code:

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Props Class Component</title>
</head>

<body>
    <div id="root"></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">

        const Belajar = (props) => <h1>Belajar {props.materi}</h1>

        const myElement = (
            <div>
                <Belajar materi="React"/>
                <Belajar materi="JavaScript"/>
                <Belajar materi="Programmer"/>
            </div>
        )
        ReactDOM.createRoot(document.getElementById('root')).render(myElement);
    </script>
</body>

</html>
```
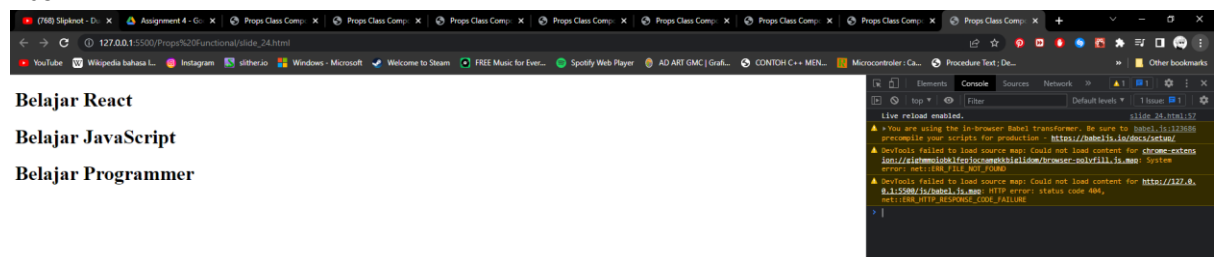
Hasil

Belajar React

Belajar JavaScript

Belajar Programmer

I.   Tugas 1 PPT
     Code:

```html
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                      {
33                          id: 1,
34                          nama: "BMTH",
35                          type: "MetalCore",
36                          pasFoto: "../img/bmth.jpg"
37                      },
38                      {
39                          id: 2,
40                          nama: "BMTH",
41                          type: "MetalCore",
42                          pasFoto: "../img/bmth.jpg"
43                      },
44                      {
45                          id: 3,
46                          nama: "BMTH",
47                          type: "MetalCore",
48                          pasFoto: "../img/bmth.jpg"
49                      }
50                  ];
51                  return (
52                      <React.Fragment>
53                          <h1><center>Bring Me The Horizon</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
67          ReactDOM.createRoot(document.getElementById('root')).render(<DaftarMahasiswa />);
68      </script>
69  </body>
70
71  </html>
```
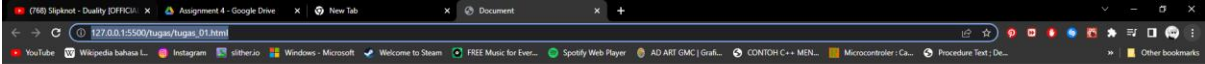
Hasil:

J. Tugas 2 PPT
Code:

```
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          const bmth = (props) => {
19              return (
20                  <figure key={props.id}>
21                      <img src={props.pasFoto} alt={props.nama} />
22                      <figcaption>{props.nama} ({props.type})</figcaption>
23                  </figure>
24              )
25          }
26          const TampilkanData = () => {
27              const mahasiswa = [
28                  {
29                      id: 1,
30                      nama: "BMTH",
31                      type: "MetalCore",
32                      pasFoto: "../img/bmth.jpg"
33                  },
34                  {
35                      id: 2,
36                      nama: "BMTH",
37                      type: "MetalCore",
38                      pasFoto: "../img/bmth.jpg"
39                  },
40                  {
41                      id: 3,
42                      nama: "BMTH",
43                      type: "MetalCore",
44                      pasFoto: "../img/bmth.jpg"
45                  }
46              ];
47              return (
48                  <React.Fragment>
49                      <h1><center>BMTH</center></h1>
50                      <hr />
51                      <section style={{display: "flex", textAlign: "center"}}>
52                          {
53                              mahasiswa.map((mhs, key) =>
54                                  <bmth id = {mhs.id} nama = {mhs.nama} type = {mhs.type} pasFoto = {mhs.pasFoto}/>
55                              )
56                          }
57                      </section>
58                  </React.Fragment>
59              )
60          }
61          ReactDOM.createRoot(document.getElementById('root')).render(<TampilkanData />);
62      </script>
63  </body>
64
65  </html>
```
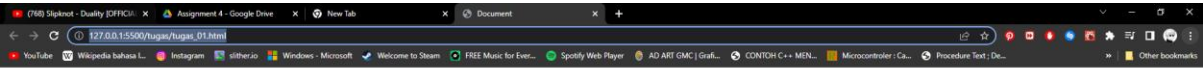
Hasil: