

TUGAS INDIVIDU
PEMROGRAMAN BERBASIS FRAMEWORK
PERTEMUAN 8



Disusun oleh:

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TI-3B/2041720184

D4 TEKNIK INFORMATIKA
TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG

2023

1. Slide 05

```
1 <!-- Rijal Ammar Irsyadul Ibad - 3B - 30 - 2041720184 -->
2 <!DOCTYPE html>
3 <html lang="id">
4
5 <head>
6   <meta charset="UTF-8">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <title>React Uncover</title>
9   <style>
10     #root {
11       display: flex;
12       justify-content: center;
13     }
14
15     div {
16       display: flex;
17       justify-content: center;
18       flex-direction: column;
19       align-items: center;
20     }
21
22     h1 {
23       background-color: gainsboro;
24       font-size: 3em;
25       text-align: center;
26       padding: 10px 20px;
27       margin: 15px 0;
28     }
29
30     button {
31       background-color: white;
32       cursor: pointer;
33       padding: 10px 20px;
34       font-weight: bold;
35       border: 1px solid gray;
36       box-shadow: 2px 2px 2px black;
37       margin: 10px;
38     }
39
40     button:hover {
41       box-shadow: 1px 1px 1px black;
42       background-color: #f1f1f1;
43     }
44   </style>
45 </head>
46
47 <body>
48   <div id="root"></div>
49   <script src="js/react.development.js"></script>
50   <script src="js/react-dom.development.js"></script>
51   <script src="js/babel.js"></script>
52   <script type="text/babel">
53
54     const MyApp = () => {
55       const [judul, setJudul] = React.useState("Belajar React");
56
57
58       const handleButtonClick = () => {
59         setJudul("Belajar javaScript");
60       }
61
62       return (
63         <div>
64           <h1>{judul}</h1>
65           <button onClick={handleButtonClick}>Click me</button>
66         </div>
67       )
68     }
69
70     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
71
72   </script>
73 </body>
74
75 </html>
```

Hasil dari slide 5:

Belajar React

Click me

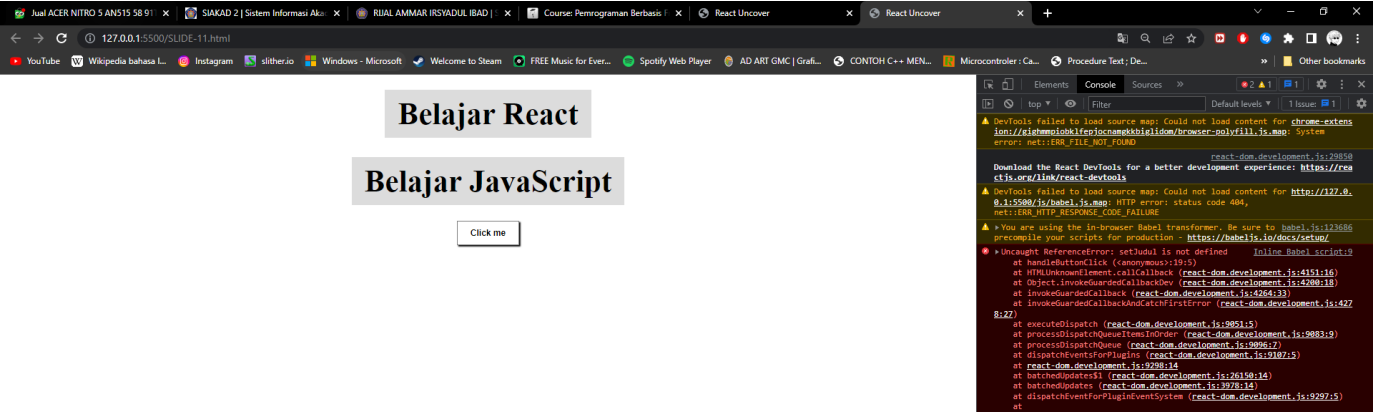
Belajar javaScript

Click me

2. Slide 11

```
1  <body>
2    <div id="root"></div>
3    <script src="js/react.development.js"></script>
4    <script src="js/react-dom.development.js"></script>
5    <script src="js/babel.js"></script>
6    <script type="text/babel">
7
8      const MyApp = () => {
9        const [judul1, setJudul1] = React.useState("Belajar React");
10       const [judul2, setJudul2] = React.useState("Belajar JavaScript");
11
12
13       const handleButtonClick = () => {
14         setJudul("Belajar javaScript");
15       }
16
17       return (
18         <div>
19           <h1>{judul1}</h1>
20           <h1>{judul2}</h1>
21           <button onClick={handleButtonClick}>Click me</button>
22         </div>
23       )
24     }
25
26     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
27
28   </script>
29 </body>
30
```

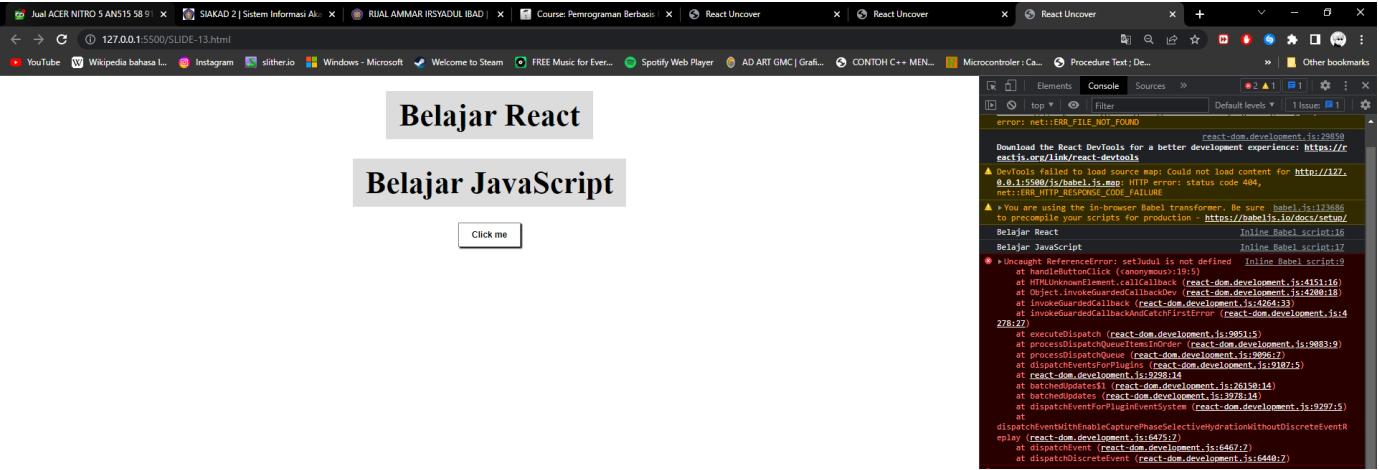
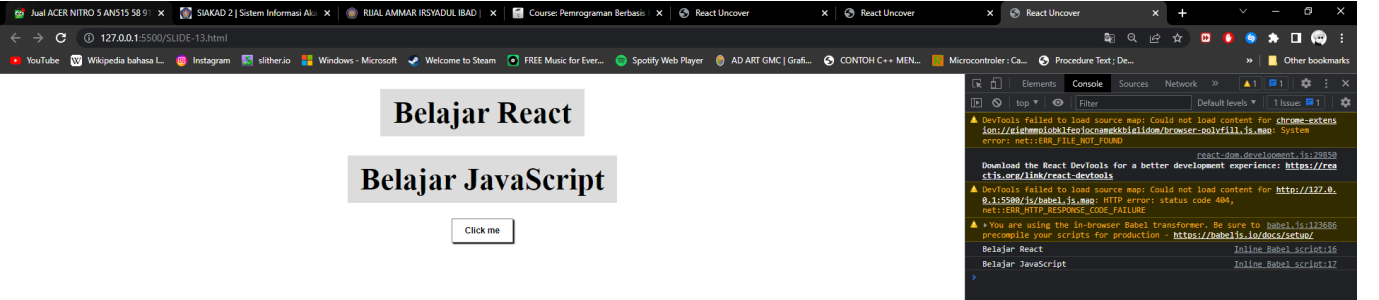
Hasil dari slide 11:



3. Slide 13

```
1  <body>
2    <div id="root"></div>
3    <script src="js/react.development.js"></script>
4    <script src="js/react-dom.development.js"></script>
5    <script src="js/babel.js"></script>
6    <script type="text/babel">
7
8      const MyApp = () => {
9        const [judul1, setJudul1] = React.useState("Belajar React");
10       const [judul2, setJudul2] = React.useState("Belajar JavaScript");
11
12
13       const handleButtonClick = () => {
14         setJudul("Belajar React State");
15         // Judul Akan Error
16         const [judul3, setJudul3] = React.useState("Belajar Web Programming");
17       }
18
19       return (
20         <div>
21           {console.log(judul1)}
22           {console.log(judul2)}
23           <h1>{judul1}</h1>
24           <h1>{judul2}</h1>
25           <button onClick={handleButtonClick}>Click me</button>
26         </div>
27       )
28     }
29
30     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
31
32   </script>
33 </body>
```

Hasil dari slide 13:



4. Slide 15

```
1  <body>
2    <div id="root"></div>
3    <script src="js/react.development.js"></script>
4    <script src="js/react-dom.development.js"></script>
5    <script src="js/babel.js"></script>
6    <script type="text/babel">
7
8      const MyApp = () => {
9        const [judul, setJudul] = React.useState(
10          {
11            satu: "Belajar React",
12            dua: "Belajar JavaScript"
13          });
14
15
16        const handleButtonClick = () => {
17          setJudul({...judul, satu:"Belajar React State"});
18        }
19
20        return (
21          <div>
22            <h1>{judul.satu}</h1>
23            <h1>{judul.dua}</h1>
24            <button onClick={handleButtonClick}>Click me</button>
25          </div>
26        )
27      }
28
29      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
30
31    </script>
32  </body>
```


Hasil dari slide 15:

Belajar React

Belajar JavaScript

Click me

Belajar React State

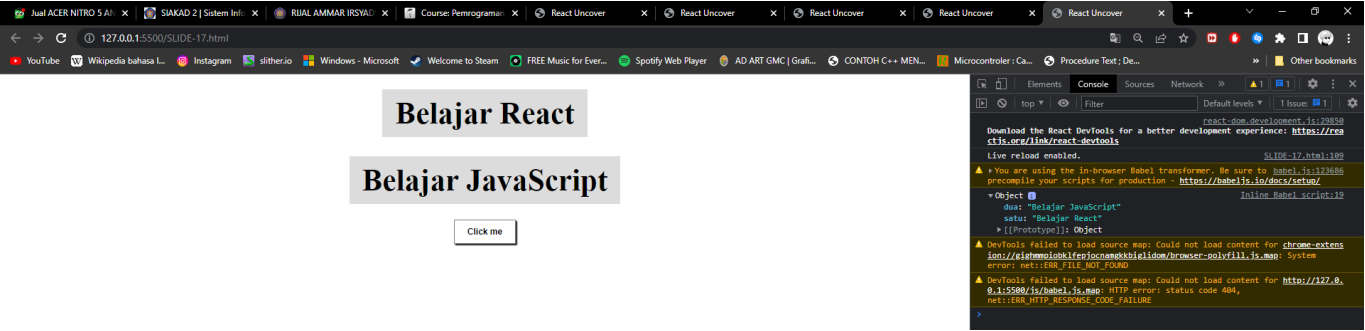
Belajar JavaScript

Click me

5. Slide 17

```
1  <body>
2    <div id="root"></div>
3    <script src="js/react.development.js"></script>
4    <script src="js/react-dom.development.js"></script>
5    <script src="js/babel.js"></script>
6    <script type="text/babel">
7
8      const MyApp = () => {
9        const [judul, setJudul] = React.useState(
10          {
11            satu: "Belajar React",
12            dua: "Belajar JavaScript"
13          });
14
15
16        const handleButtonClick = () => {
17          let judulSementara = judul;
18          judulSementara.satu = "Belajar React State";
19          setJudul(judulSementara);
20        }
21
22        return (
23          <div>
24            {console.log(judul)}
25            <h1>{judul.satu}</h1>
26            <h1>{judul.dua}</h1>
27            <button onClick={handleButtonClick}>Click me</button>
28          </div>
29        )
30      }
31
32      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
33
34    </script>
35  </body>
```

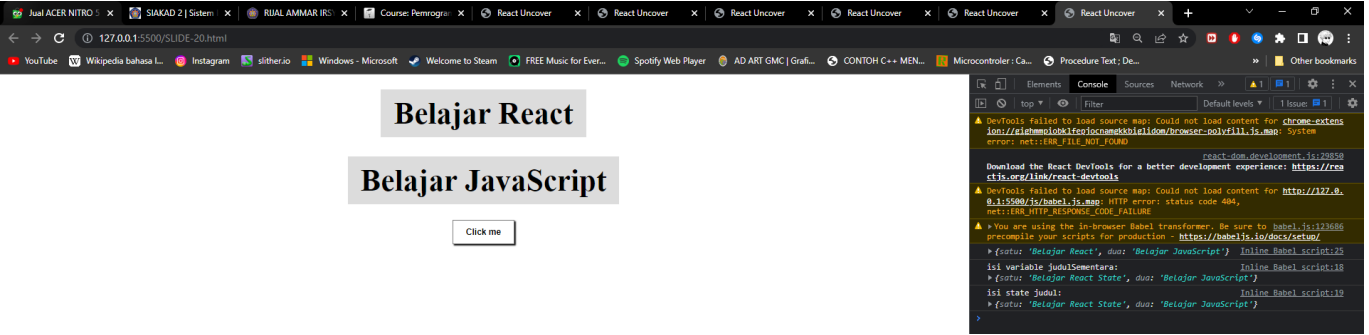
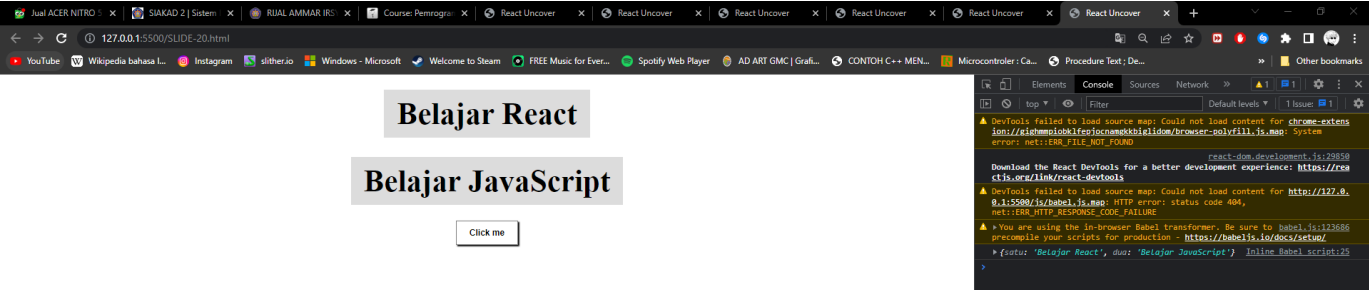
Hasil dari slide 17:




6. Slide 20

```
1  <body>
2    <div id="root"></div>
3    <script src="js/react.development.js"></script>
4    <script src="js/react-dom.development.js"></script>
5    <script src="js/babel.js"></script>
6    <script type="text/babel">
7
8      const MyApp = () => {
9        const [judul, setJudul] = React.useState(
10          {
11            satu: "Belajar React",
12            dua: "Belajar JavaScript"
13          });
14
15
16        const handleButtonClick = () => {
17          let judulSementara = judul; // Copy References
18          judulSementara.satu = "Belajar React State";
19          setJudul(judulSementara); // Tidak akan re-render
20
21
22          // Bisa di cek isi kedua variable
23          console.log("isi variable judulSementara:", judulSementara);
24          console.log("isi state judul:", judul);
25        }
26
27
28        return (
29          <div>
30            {console.log(judul)}
31            <h1>{judul.satu}</h1>
32            <h1>{judul.dua}</h1>
33            <button onClick={handleButtonClick}>Click me</button>
34          </div>
35        )
36      }
37
38      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
39
40    </script>
41  </body>
42
```

Hasil dari slide 20:

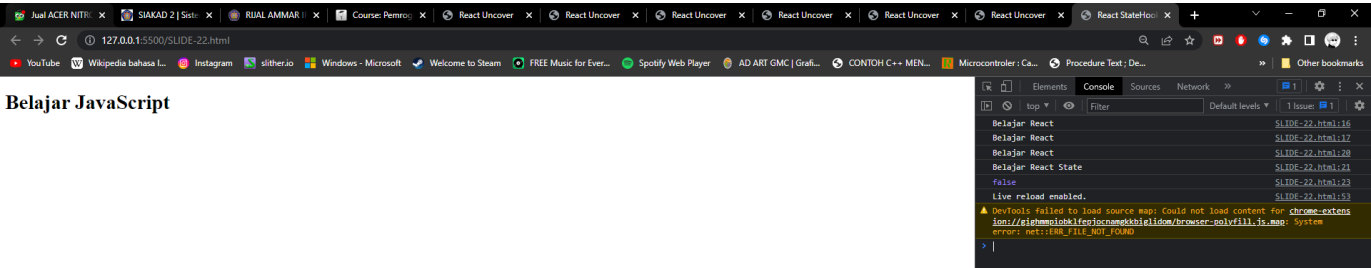


7. Slide 22




```
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 StateHook</title>
8
9  </head>
10 <body>
11   <h1>Belajar JavaScript</h1>
12
13   <script>
14     let foo = "Belajar React";
15     let bar = foo;
16     console.log(foo)
17     console.log(bar)
18
19     bar = "Belajar React State";
20     console.log(foo)
21     console.log(bar)
22
23     console.log(foo == bar)
24   </script>
25 </body>
26 </html>
```

Hasil dari slide 22:



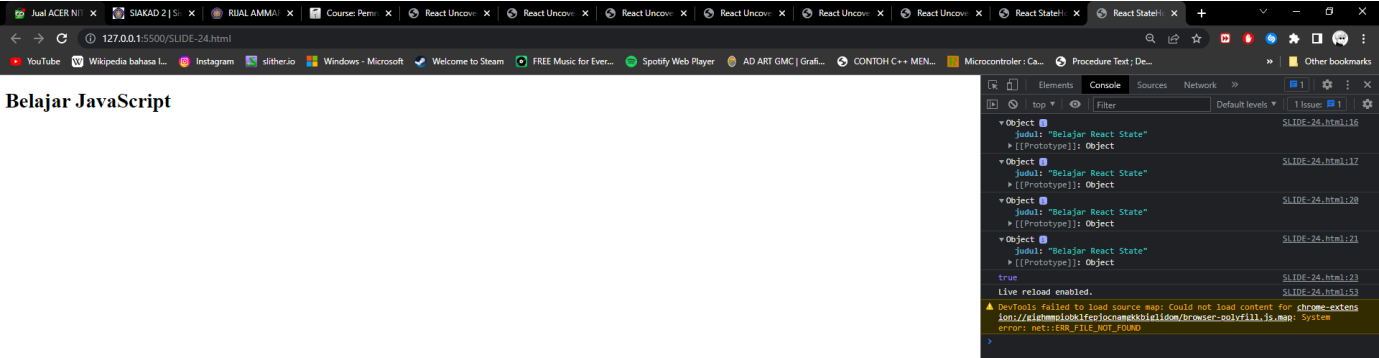
8. Slide 24



```
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 StateHook</title>
8
9  </head>
10 <body>
11   <h1>Belajar JavaScript</h1>
12
13   <script>
14       let foo = { judul: "Belajar React"};
15       let bar = foo;
16       console.log(foo)
17       console.log(bar)
18
19       bar.judul = "Belajar React State";
20       console.log(foo)
21       console.log(bar)
22
23       console.log(foo == bar)
24   </script>
25 </body>
26 </html>
```


Hasil dari slide 24:

Belajar JavaScript

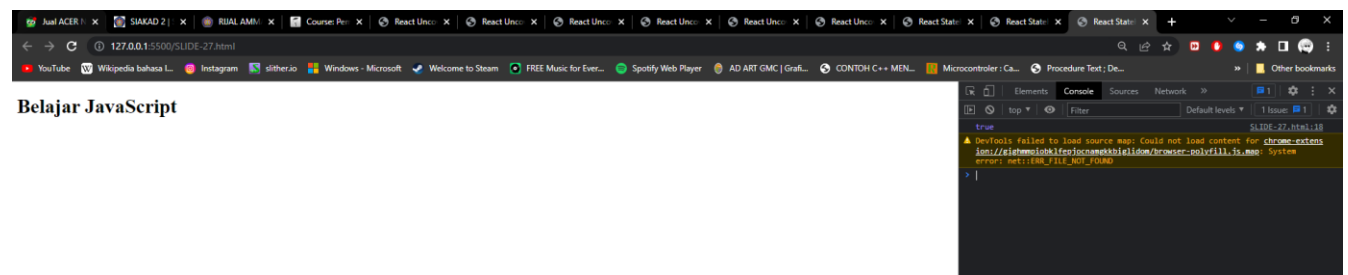


9. Slide 27



```
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 StateHook</title>
8
9  </head>
10 <body>
11     <h1>Belajar JavaScript</h1>
12
13     <script>
14         let judul = {satu: "Belajar React", dua: "Belajar JavaScript"}
15         let judulSementara = judul;
16         judulSementara.satu = "Belajar React State";
17
18         console.log(judul === judulSementara)
19     </script>
20 </body>
21 </html>
```

Hasil dari slide 27:



10. Slide 29



```
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 StateHook</title>
8
9  </head>
10 <body>
11     <h1>Belajar JavaScript</h1>
12
13     <script>
14         let judul = {satu: "Belajar React", dua: "Belajar JavaScript"}
15         let judulSementara = {...judul};
16         judulSementara.satu = "Belajar React State";
17
18         console.log(judul === judulSementara)
19
20         console.log(judul)
21
22         console.log(judulSementara)
23     </script>
24 </body>
25 </html>
```

Hasil dari slide 29:

Belajar JavaScript

Elements

Console

Sources

Network

127.0.0.1:5500/SLIDE-29.html

YouTube

Wikipedia bahasa L...

Instagram

sietherio

Windows - Microsoft

Welcome to Steam

FREE Music for Ever...

Spotify Web Player

AD ART GMC | Graf...

CONTOH C++ MEN...

Microcontroller: Ca...

Procedure Test; De...

1

1 issue

SLIDE-29.html:18

SLIDE-29.html:28

SLIDE-29.html:22

SLIDE-29.html:32

Live reload enabled.

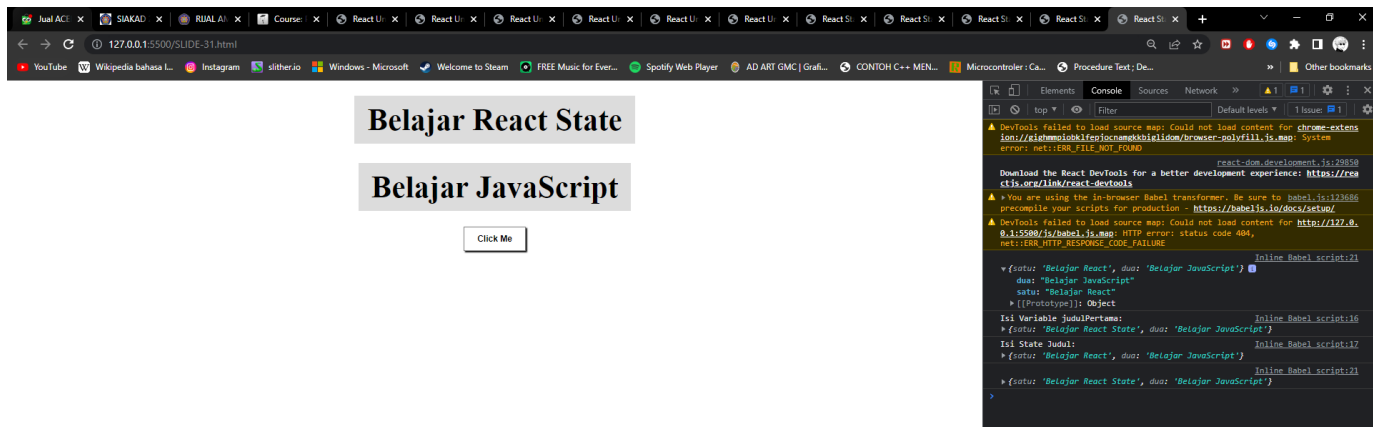
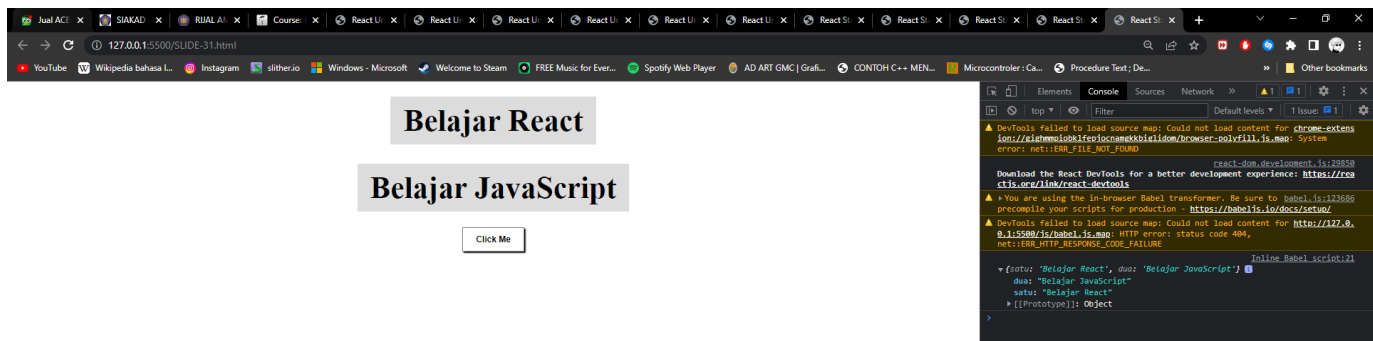
SLIDE-29.html:32

DevTools failed to load source map: Could not load content for chrome-extensions://relmemplohterjocamqkxhslidw/roochr-polyfill.js.map. System error: net::ERR_FILE_NOT_FOUND

11. Slide 31

```
1  <body>
2    <div id = root></div>
3
4    <script src="js/react.development.js"></script>
5    <script src="js/react-dom.development.js"></script>
6    <script src="js/babel.js"></script>
7    <script type="text/babel">
8
9      const MyApp = () => {
10        const [judul, setJudul] = React.useState(
11          {
12            satu: "Belajar React",
13            dua: "Belajar JavaScript"
14          }
15        );
16
17        const handleButtonClick = () => {
18          let judulSementara = {...judul};
19          judulSementara.satu = "Belajar React State";
20          setJudul(judulSementara)
21
22          console.log("Isi Variable judulPertama:", judulSementara)
23          console.log("Isi State Judul:", judul)
24        }
25        return (
26          <div>
27            {console.log(judul)}
28            <h1>{judul.satu}</h1>
29            <h1>{judul.dua}</h1>
30            <button onClick={handleButtonClick}>Click Me</button>
31          </div>
32        )
33      }
34
35      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
36
37    </script>
38  </body>
```

Hasil dari slide 31:



12. Slide 33

```
1  <body>
2    <div id = root></div>
3
4    <script src="js/react.development.js"></script>
5    <script src="js/react-dom.development.js"></script>
6    <script src="js/babel.js"></script>
7    <script type="text/babel">
8
9      const MyApp = () => {
10        const [counter, setCounter] = React.useState(0)
11
12        const handleDec = () => {
13          setCounter(counter - 1)
14          setCounter(counter - 1)
15        }
16
17        const handleInc = () => {
18          setCounter(counter + 1)
19          setCounter(counter + 1)
20        }
21
22        return (
23          <div>
24            <h1>{counter}</h1>
25            <button onClick={handleDec}> -1 </button>
26            <button onClick={handleInc}> +1 </button>
27          </div>
28        )
29      }
30
31      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
32
33    </script>
34  </body>
```


Hasil dari slide 33:

0

-1

+1

1

-1

+1

0

-1

+1

13. Slide 35

```
1  <body>
2    <div id = root></div>
3
4    <script src="js/react.development.js"></script>
5    <script src="js/react-dom.development.js"></script>
6    <script src="js/babel.js"></script>
7    <script type="text/babel">
8
9      const MyApp = () => {
10        const [counter, setCounter] = React.useState(0)
11
12        const handleDec = () => {
13          setCounter((prevCount) => { return prevCount -1})
14          setCounter((prevCount) => { return prevCount -1})
15        }
16
17        const handleInc = () => {
18          setCounter((prevCount) => { return prevCount +1})
19          setCounter((prevCount) => { return prevCount +1})
20        }
21
22        return (
23          <div>
24            <h1>{counter}</h1>
25            <button onClick={handleDec}> -1 </button>
26            <button onClick={handleInc}> +1 </button>
27          </div>
28        )
29      }
30
31      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
32
33    </script>
34  </body>
```

Hasil dari slide 35:

0

-1

+1

2

-1

+1

0

-1

+1

14. Slide 36

```
1  <body>
2    <div id = root></div>
3
4    <script src="js/react.development.js"></script>
5    <script src="js/react-dom.development.js"></script>
6    <script src="js/babel.js"></script>
7    <script type="text/babel">
8
9      const MyApp = () => {
10        const [counter, setCounter] = React.useState(0)
11
12        const handleDec = () => {
13          setCounter(prevCount => prevCount - 1)
14          setCounter(prevCount => prevCount - 1)
15        }
16
17        const handleInc = () => {
18          setCounter(prevCount => prevCount + 1)
19          setCounter(prevCount => prevCount + 1)
20        }
21
22        return (
23          <div>
24            <h1>{counter}</h1>
25            <button onClick={handleDec}> -1 </button>
26            <button onClick={handleInc}> +1 </button>
27          </div>
28        )
29      }
30
31      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
32
33    </script>
34  </body>
```

Hasil dari slide 36:

0

-1

+1

2

-1

+1

0

-1

+1

-2

-1

+1

15. Slide 38

```
1  <body>
2    <div id = root></div>
3
4    <script src="js/react.development.js"></script>
5    <script src="js/react-dom.development.js"></script>
6    <script src="js/babel.js"></script>
7    <script type="text/babel">
8
9      const Tombol = (props) => {
10        const handleClick = () => {
11          if (props.tombolType === "dec") {
12            props.onTombolClick(-1);
13          } else {
14            props.onTombolClick(+1)
15          }
16        }
17
18        return (
19          <button onClick={handleClick}>{props.children}</button>
20        )
21      }
22
23      const MyApp = () => {
24        const [counter, setCounter] = React.useState(0)
25
26        const handleTombolClick = (change) => {
27          setCounter((prevCount) => {return prevCount + change })
28        }
29
30
31        return (
32          <div>
33            <h1>{counter}</h1>
34            <Tombol onClick={handleTombolClick} tombolType="dec">-1</Tombol>
35            <Tombol onClick={handleTombolClick} tombolType="inc">+1</Tombol>
36          </div>
37        )
38      }
39
40      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
41
42    </script>
43  </body>
```

Hasil dari slide 38:

0

-1

+1

4

-1

+1

3

-1

+1

-1

-1

+1

16. Slide 44

```
1  <body>
2    <div id = root></div>
3
4    <script src="js/react.development.js"></script>
5    <script src="js/react-dom.development.js"></script>
6    <script src="js/babel.js"></script>
7    <script type="text/babel">
8
9      const Tombol = (props) => {
10        const handleClick = () => {
11          (props.tombolType === "dec") ? props.onTombolClick(-1) : props.onTombolClick(+1)
12        }
13
14        return (
15          <button onClick={handleClick}>{props.children}</button>
16        )
17      }
18
19      const MyApp = () => {
20        const [counter, setCounter] = React.useState(0)
21
22        const handleTombolClick = (change) => {
23          setCounter((prevCount) => {return prevCount + change })
24        }
25
26
27        return (
28          <div>
29            <h1>{counter}</h1>
30            <Tombol onClick={handleTombolClick} tombolType="dec">-1</Tombol>
31            <Tombol onClick={handleTombolClick} tombolType="inc">+1</Tombol>
32          </div>
33        )
34      }
35
36      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
37
38    </script>
39  </body>
```


Hasil dari slide 44:

0

-1

+1

4

-1

+1

3

-1

+1

-1

-1

+1

17. Slide 45

```
1  <body>
2    <div id = root></div>
3
4    <script src="js/react.development.js"></script>
5    <script src="js/react-dom.development.js"></script>
6    <script src="js/babel.js"></script>
7    <script type="text/babel">
8
9      const Tombol = (props) => {
10        const handleClick = () => {
11          props.onTombolClick(parseInt(props.counterChange));
12        }
13
14        return (
15          <button onClick={handleClick}>{props.children}</button>
16        )
17      }
18
19      const MyApp = () => {
20        const [counter, setCounter] = React.useState(0)
21
22        const handleTombolClick = (change) => {
23          setCounter((prevCount) => {return prevCount + change })
24        }
25
26
27        return (
28          <div>
29            <h1>{counter}</h1>
30            <Tombol onTombolClick={handleTombolClick} counterChange="-1">-1</Tombol>
31            <Tombol onTombolClick={handleTombolClick} counterChange="+1">+1</Tombol>
32          </div>
33        )
34      }
35
36      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
37
38    </script>
39  </body>
```

Hasil dari slide 45:

0

-1

+1

4

-1

+1

3

-1

+1

-1

-1

+1

18. Slide 47

```
1  <body>
2    <div id = root></div>
3
4    <script src="js/react.development.js"></script>
5    <script src="js/react-dom.development.js"></script>
6    <script src="js/babel.js"></script>
7    <script type="text/babel">
8
9      const Tombol = (props) => {
10        return (
11          <button onClick={() => props.onTombolClick(parseInt(props.counterChange))}>{props.children}</button>
12        )
13      }
14
15      const MyApp = () => {
16        const [counter, setCounter] = React.useState(0)
17
18        const handleTombolClick = (change) => {
19          setCounter((prevCount) => {return prevCount + change })
20        }
21
22        return (
23          <div>
24            <h1>{counter}</h1>
25            <Tombol onTombolClick={handleTombolClick} counterChange="-1">-1</Tombol>
26            <Tombol onTombolClick={handleTombolClick} counterChange="+1">+1</Tombol>
27          </div>
28        )
29      }
30
31      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
32
33    </script>
34  </body>
```

Hasil dari slide 47:

0

-1

+1

4

-1

+1

3

-1

+1

-1

-1

+1

19. Slide 49

```
1  <body>
2    <div id = root></div>
3
4    <script src="js/react.development.js"></script>
5    <script src="js/react-dom.development.js"></script>
6    <script src="js/babel.js"></script>
7    <script type="text/babel">
8
9      const getNumber = () => {
10        console.log("getNumber dijalankan")
11        return 100000
12      }
13
14      const MyApp = () => {
15        const [judul, setJudul] = React.useState("Belajar React")
16        const [counter, setCounter] = React.useState(getNumber())
17
18        const handleClick = () => {
19          if (judul === "Belajar React") {
20            setJudul("Belajar JavaScript")
21          } else {
22            setJudul("Belajar React")
23          }
24        }
25
26        const handleFooClick = () => {
27          setCounter(prevCounter => prevCounter + 1)
28        }
29        return (
30          <div>
31            <h1> {judul} {counter}</h1>
32            <button onClick = {handleButtonClick}>Ganti Judul</button>
33            <button onClick = {handleFooClick}>+1</button>
34          </div>
35        )
36      }
37
38      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
39
40    </script>
41  </body>
```

Hasil dari slide 49:

Belajar React 100000

Ganti Judul

+1

Belajar JavaScript 100000

Ganti Judul

+1

Belajar JavaScript 100001

Ganti Judul

+1

20. Tugas

```
1  <body>
2    <div id="root"></div>
3    <script src="js/react.development.js"></script>
4    <script src="js/react-dom.development.js"></script>
5    <script src="js/babel.js"></script>
6    <script type="text/babel">
7
8      const Mahasiswa = (props) => {
9        const handleTukarMahasiswa = () => {
10          props.onTukarMahasiswa({
11            nama: "Lisa",
12            jurusan: "Sistem Informasi",
13            pasFoto: "rijal1.jpg",
14          });
15        };
16
17        return (
18          <React.Fragment>
19            <button onClick={handleTukarMahasiswa}>Tukar Mahasiswa</button>
20            <figure>
21              <img
22                src={"img/" + props.mahasiswa.pasFoto}
23                alt={props.mahasiswa.jurusan}
24              />
25              <figcaption>
26                {props.mahasiswa.nama} ({props.mahasiswa.jurusan})
27              </figcaption>
28            </figure>
29          </React.Fragment>
30        );
31      };
32
33      const MyApp = () => {
34        const [state, setState] = React.useState({
35          nama: "Eka",
36          jurusan: "Teknik Informatika",
37          pasFoto: "rijal.jpg",
38        });
39
40        const handleTukarMahasiswa = (mahasiswaBaru) => {
41          setState({
42            nama: mahasiswaBaru.nama,
43            jurusan: mahasiswaBaru.jurusan,
44            pasFoto: mahasiswaBaru.pasFoto,
45          });
46        };
47
48        return (
49          <div>
50            <Mahasiswa
51              mahasiswa={state}
52              onTukarMahasiswa={handleTukarMahasiswa}
53            />
54          </div>
55        );
56      };
57
58      ReactDOM.createRoot(document.getElementById("root")).render(<MyApp />);
59    </script>
60  </body>
```


Hasil dari Tugas:

Tukar Mahasiswa



Eka (Teknik Informatika)

Tukar Mahasiswa



Lisa (Sistem Informasi)