

**TUGAS INDIVIDU**  
**PEMROGRAMAN BERBASIS FRAMEWORK**  
**PERTEMUAN 11**



Disusun oleh:

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**D4 TEKNIK INFORMATIKA**  
**TEKNOLOGI INFORMASI**  
**POLITEKNIK NEGERI MALANG**

**2023**

## 1. Slide 3

Code:

```
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("Belajar React");
11
12        const handleClick = () => {
13          if (judul === "Belajar React") {
14            setJudul("Belajar JavaScript")
15          } else {
16            setJudul("Belajar React");
17          }
18        }
19        return (
20          <div>
21            <h1>{judul}</h1>
22            <button onClick={handleButtonClick}>Click Me</button>
23          </div>
24        )
25      }
26
27      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
28
29    </script>
30  </body>
31
```

Hasil:

# Belajar React

Click Me

# Belajar JavaScript

Click Me



## 2. Slide 6

Code:

```
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("Belajar React");
11      let foo = "Hei";
12
13      const handleClick = () => {
14        foo = "Hello"
15        if (judul === "Belajar React") {
16          setJudul("Belajar JavaScript")
17        } else {
18          setJudul("Belajar React");
19        }
20      }
21      const handleFooClick = () => {
22        console.log(foo)
23      }
24      return (
25        <div>
26          <h1>{judul}</h1>
27          <div>
28            <button onClick={handleButtonClick}>Click Me</button>
29            <button onClick={handleFooClick}>Get Foo</button>
30          </div>
31        </div>
32      )
33    }
34
35    ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
36
37  </script>
38 </body>
```

Hasil:

Belajar React

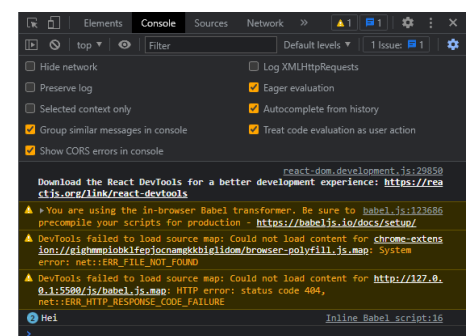
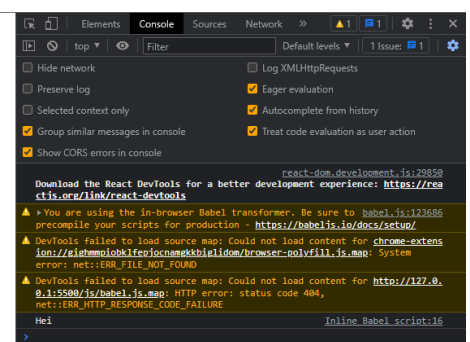
Click Me

Get Foo

Belajar JavaScript

Click Me

Get Foo



### 3. Slide 10

Code:

```
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("Belajar React");
11        let foo = "Hei";
12
13        const handleClick = () => {
14          console.log(foo)
15          foo = "Hello"
16          console.log(foo)
17          if (judul === "Belajar React") {
18            setJudul("Belajar JavaScript")
19          } else {
20            setJudul("Belajar React");
21          }
22        }
23        const handleFooClick = () => {
24          console.log(foo)
25        }
26        return (
27          <div>
28            <h1>{judul}</h1>
29            <div>
30              <button onClick={handleButtonClick}>Click Me</button>
31              <button onClick={handleFooClick}>Get Foo</button>
32            </div>
33          </div>
34        )
35      }
36
37      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
38
39    </script>
40  </body>
```

Hasil:

Belajar React

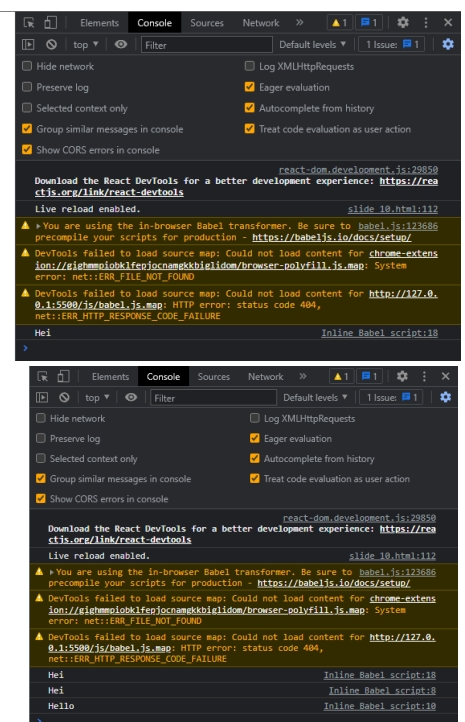
Click Me

Get Foo

Belajar JavaScript

Click Me

Get Foo



#### 4. Slide 13

Code:

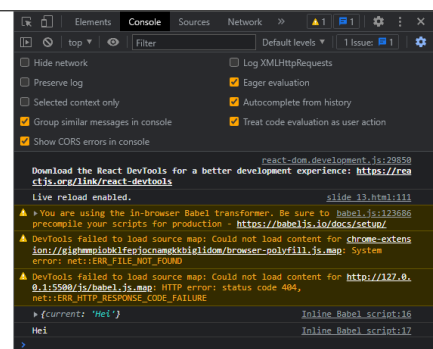
```
1 <body>
2   <div id = root></div>
3
4   <script src="js/react.development.js"></script>
5   <script src="js/react-dom.development.js"></script>
6   <script src="js/babel.js"></script>
7   <script type="text/babel">
8
9     const MyApp = () => {
10       const [judul, setJudul] = React.useState("Belajar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

Hasil:

Belajar React

Click Me

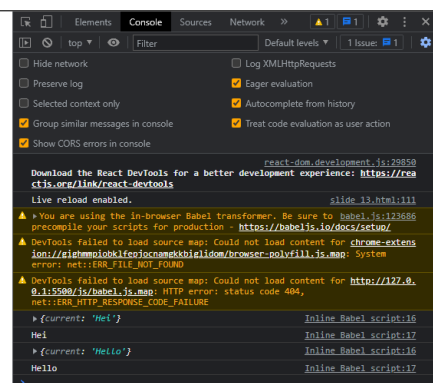
Get Foo



Belajar JavaScript

Click Me

Get Foo



## 5. Slide 15

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {judul: "Belajar React"}
13          this.foo = "Hei"
14        }
15
16        handleClick = () => {
17          this.foo = "Hello..."
18          if (this.state.judul === "Belajar React") {
19            this.setState({ judul: "Belajar JavaScript"})
20          } else {
21            this.setState({ judul: "Belajar React"})
22          }
23        }
24        handleFooClick = () => {
25          console.log(this.foo)
26        }
27        render() {
28          return (
29            <div>
30              <h1>{this.state.judul}</h1>
31              <div>
32                <button onClick={this.handleClick}>Click Me</button>
33                <button onClick={this.handleFooClick}>Get Foo</button>
34              </div>
35            </div>
36          )
37        }
38      }
39      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
40
41    </script>
42  </body>
```

Hasil:

Belajar React

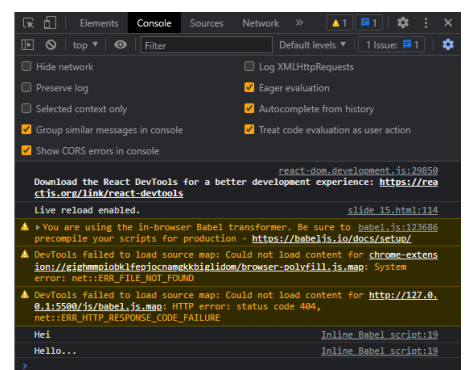
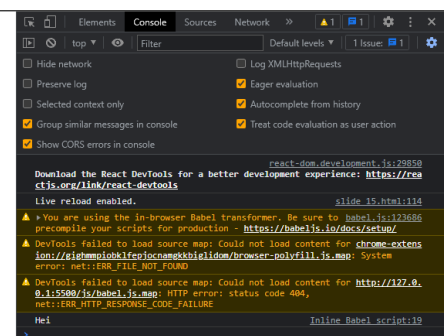
Click Me

Get Foo

Belajar JavaScript

Click Me

Get Foo

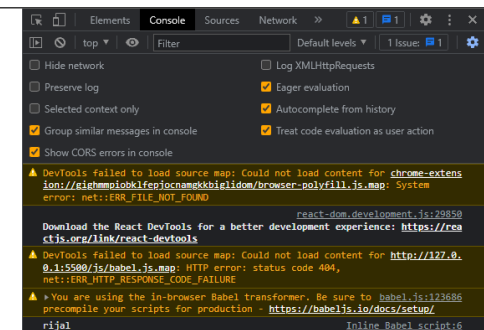
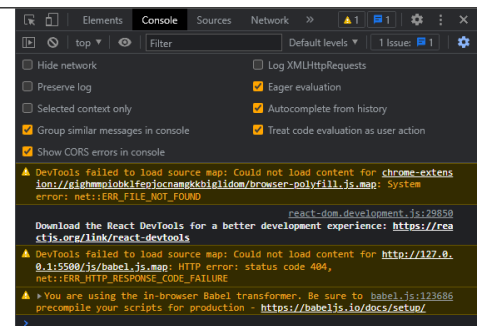


## 6. Slide 19

Code:

```
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      class MyApp extends React.Component {
10        handleClick = () => {
11          let inputName = document.getElementById("input").value
12          console.log(inputName)
13        }
14        render() {
15          return (
16            <div>
17              <input type="text" id="input" />
18              <button onClick={this.handleClick}>Check Input</button>
19            </div>
20          )
21        }
22      }
23      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
24
25    </script>
26  </body>
```

Hasil:



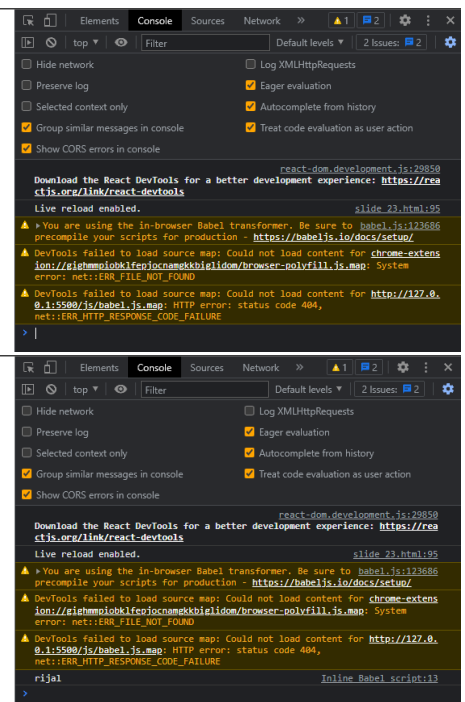


## 7. Slide 23

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {input: ""}
13        }
14
15        handleInputChange = (event) => {
16          this.setState({ input: event.target.value })
17        }
18        handleClick = () => {
19          console.log(this.state.input)
20        }
21        render() {
22          return (
23            <div>
24              <input type="text" onChange={this.handleInputChange} />
25              <button onClick={this.handleClick}>Check Input</button>
26            </div>
27          )
28        }
29      }
30      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
31
32    </script>
33  </body>
```

Hasil:




## 8. Slide 26

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {input: ""}
13        }
14
15        handleInputChange = (event) => {
16          this.setState({ input: event.target.value })
17        }
18        render() {
19          return (
20            <div>
21              <h1>{this.state.input}</h1>
22              <input type="text" onChange={this.handleInputChange} />
23            </div>
24          )
25        }
26      }
27      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
28
29    </script>
30  </body>
```

Hasil:

**Rijal Ammar**

Rijal Ammar

## 9. Slide 29

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {input: "Rudi"}
13        }
14
15        handleInputChange = (event) => {
16          this.setState({ input: event.target.value })
17        }
18
19        handleButtonClick = () => {
20          this.setState({ input: "Lisa"})
21        }
22        render() {
23          return (
24            <div>
25              <h1>{this.state.input}</h1>
26              <input type="text" value={this.state.input}
27                onChange={this.handleInputChange} />
28              <button onClick={this.handleButtonClick}>Tukar Nama</button>
29            </div>
30          )
31        }
32      }
33      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
34
35    </script>
36  </body>
```

Hasil:

Rudi

Rudi

Tukar Nama

Lisa

Lisa

Tukar Nama

## 10. Slide 34

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {alamat: "Jakarta"}
13        }
14
15        handleAlamatChange = (event) => {
16          this.setState({ alamat: event.target.value })
17        }
18        render() {
19          return (
20            <div>
21              <h1>{this.state.alamat}</h1>
22              <textarea value={this.state.alamat}
23                onChange={this.handleAlamatChange}
24              />
25            </div>
26          )
27        }
28      }
29      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
30
31    </script>
32  </body>
```

Hasil:

# Jakarta

# Malang

## 11. Slide 38

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {buah: "mangga"}
13        }
14
15        handleBuahChange = (event) => {
16          this.setState({ buah: event.target.value })
17        }
18        render() {
19          return (
20            <div>
21              <h1>{this.state.buah}</h1>
22              <select value={this.state.buah} onChange={this.handleBuahChange}>
23                <option value="semangka">Semangka</option>
24                <option value="pisang">Pisang</option>
25                <option value="kelapa">Kelapa</option>
26                <option value="mangga">Mangga</option>
27              </select>
28            </div>
29          )
30        }
31      }
32      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
33
34    </script>
35  </body>
```

Hasil:

**mangga**

Mangga ▼

**kelapa**

Kelapa ▼

**pisang**

Pisang ▼

**semangka**

Semangka ▼

## 12. Slide 40

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {buah: "mangga"}
13        }
14
15        handleBuahChange = (event) => {
16          this.setState({ buah: event.target.value })
17        }
18
19        handleButtonClick = () => {
20          this.setState({ buah: "Semangka"})
21        }
22        render() {
23          return (
24            <div>
25              <h1>{this.state.buah}</h1>
26              <select value={this.state.buah} onChange={this.handleBuahChange}>
27                <option value="semangka">Semangka</option>
28                <option value="pisang">Pisang</option>
29                <option value="kelapa">Kelapa</option>
30                <option value="mangga">Mangga</option>
31              </select>
32              <button onClick={this.handleButtonClick}>Pilih Semangka</button>
33            </div>
34          )
35        }
36      }
37      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
38
39    </script>
40  </body>
```

Hasil:

**pisang**

Pisang ▼

Pilih Semangka

**Semangka**

Semangka ▼

Pilih Semangka

### 13. Slide 42

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {belajarReact: true}
13        }
14
15        handleBelajarReactChange = (event) => {
16          this.setState({ belajarReact: event.target.checked })
17        }
18        render() {
19          return (
20            <div>
21              <h1>{this.state.belajarReact.toString()}</h1>
22              <input type="checkbox"
23                id="belajarReact"
24                checked={this.state.belajarReact}
25                onChange={this.handleBelajarReactChange} />
26              <label htmlFor="belajarReact">Belajar React</label>
27            </div>
28          )
29        }
30      }
31      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
32
33    </script>
34  </body>
```

Hasil:

true



Belajar React

false



Belajar React

#### 14. Slide 45

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {materi: ""}
13        }
14
15        handleMateriChange = (event) => {
16          this.setState({ materi: event.target.value })
17        }
18        render() {
19          return (
20            <div>
21              <h1>{this.state.materi}</h1>
22              <div onChange={this.handleMateriChange}>
23                <input type="radio" value="React" name="materi" id="materi1" />
24                <label htmlFor="materi1">Belajar React</label>
25                <input type="radio" value="JavaScript" name="materi" id="materi2" />
26                <label htmlFor="materi2">Belajar JavaScript</label>
27                <input type="radio" value="Front End" name="materi" id="materi3" />
28                <label htmlFor="materi3">Belajar Front End</label>
29              </div>
30            </div>
31          )
32        }
33      }
34      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
35
36    </script>
37  </body>
```

Hasil:

☐ Belajar React ☐ Belajar JavaScript ☐ Belajar Front End

**React**

☒ Belajar React ☐ Belajar JavaScript ☐ Belajar Front End

**JavaScript**

☐ Belajar React ☒ Belajar JavaScript ☐ Belajar Front End

**Front End**

☐ Belajar React ☐ Belajar JavaScript ☒ Belajar Front End



## 15. Slide 48

Code:

```
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     class MyApp extends React.Component {
10       constructor(props) {
11         super(props)
12         this.state = {materi: "JavaScript"}
13       }
14
15       handleMateriChange = (event) => {
16         this.setState({ materi: event.target.value })
17       }
18
19       render() {
20         return (
21           <div>
22             <h1>{this.state.materi}</h1>
23             <div onChange={this.handleMateriChange}>
24               <input type="radio" value="React" name="materi" id="materi1"
25                 checked={this.state.materi === "React"}
26                 onChange={this.handleMateriChange}/>
27               <label htmlFor="materi1">Belajar React</label>
28
29               <input type="radio" value="JavaScript" name="materi" id="materi2"
30                 checked={this.state.materi === "JavaScript"}
31                 onChange={this.handleMateriChange}/>
32               <label htmlFor="materi2">Belajar JavaScript</label>
33
34               <input type="radio" value="Front End" name="materi" id="materi3"
35                 checked={this.state.materi === "Front End"}
36                 onChange={this.handleMateriChange}/>
37               <label htmlFor="materi3">Belajar Front End</label>
38             </div>
39           </div>
40         )
41       }
42     }
43     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
44   </script>
45 </body>
```

Hasil:

☐ Belajar React ☐ Belajar JavaScript ☐ Belajar Front End

**React**

☒ Belajar React ☐ Belajar JavaScript ☐ Belajar Front End

**JavaScript**

☐ Belajar React ☒ Belajar JavaScript ☐ Belajar Front End

**Front End**

☐ Belajar React ☐ Belajar JavaScript ☒ Belajar Front End

## 16. Slide 51

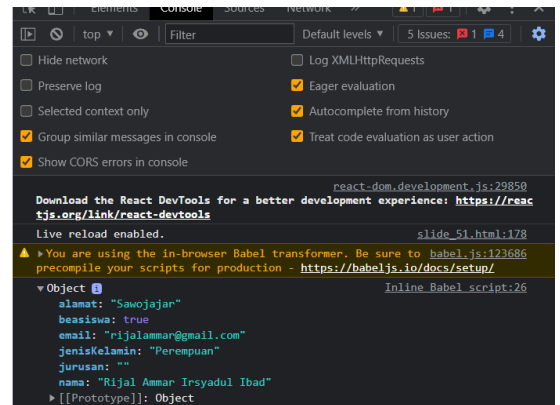
### Code:

```
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     class MyApp extends React.Component {
10       constructor(props) {
11         super(props)
12         this.state = {
13           nama: "",
14           email: "",
15           alamat: "",
16           jurusan: "",
17           jenisKelamin: "",
18           beasiswa: true,
19         }
20       }
21
22       handleInputChange = (event) => {
23         if (event.target.type === "checkbox") {
24           this.setState({ [event.target.name]: event.target.checked })
25         } else {
26           this.setState({ [event.target.name]: event.target.value })
27         }
28       }
29
30       handleButtonClick = () => {
31         console.log(this.state)
32       }
33
34       render() {
35         return (
36           <div className="container">
37             <div>
38               <label htmlFor="nama">Nama</label>
39               <input type="text" name="nama" id="nama"
40                 onChange={this.handleInputChange} />
41             </div>
42
43             <div>
44               <label htmlFor="email">Email</label>
45               <input type="text" name="email" id="email"
46                 onChange={this.handleInputChange} />
47             </div>
48
49             <div>
50               <label htmlFor="alamat">Alamat</label>
51               <input type="text" name="alamat" id="alamat"
52                 onChange={this.handleInputChange} />
53             </div>
54
55             <div>
56               <label htmlFor="jurusan">Jurusan</label>
57               <select name="jurusan" value={this.state.jurusan} onChange={this.handleInputChange}>
58                 <option value="Ilmu Komputer">Ilmu Komputer</option>
59                 <option value="Sistem Informasi">Sistem Informasi</option>
60                 <option value="Teknik Informatika">Teknik Informatika</option>
61                 <option value="Teknik Komputer">Teknik Komputer</option>
62               </select>
63             </div>
64
65             <div>
66               <label>JenisKelamin</label>
67               <input type="radio" name="jenisKelamin" id="jenisKelamin1"
68                 value="Pria" checked={this.state.jenisKelamin === "Pria"}
69                 onChange={this.handleInputChange} />
70               <label htmlFor="jenisKelamin1">Pria</label>
71               <input type="radio" name="jenisKelamin" id="jenisKelamin2"
72                 value="Perempuan" checked={this.state.jenisKelamin === "Perempuan"}
73                 onChange={this.handleInputChange} />
74               <label htmlFor="jenisKelamin2">Perempuan</label>
75             </div>
76
77             <div>
78               <label>Status Beasiswa</label>
79               <input type="checkbox" name="beasiswa" id="beasiswa"
80                 onChange={this.handleInputChange} />
81               <label htmlFor="beasiswa">Dapat Beasiswa</label>
82             </div>
83             <button onClick={this.handleButtonClick}>Check Form</button>
84           </div>
85         )
86       }
87     }
88
89     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
90
91   </script>
92 </body>
```

## Hasil:

Nama	<input type="text"/>
Email	<input type="text"/>
Alamat	<input type="text"/>
Jurusan	<input type="text" value="Ilmu Komputer"/>
JenisKelamin	<input type="radio"/> Pria <input type="radio"/> Perempuan
Status Beasiswa	<input type="checkbox"/> Dapat Beasiswa
<input type="button" value="Check Form"/>	

Nama	<input type="text" value="Rijal Ammar Irsyadul Ibad"/>
Email	<input type="text" value="rijalammar@gmail.com"/>
Alamat	<input type="text" value="Sawojajar"/>
Jurusan	<input type="text" value="Ilmu Komputer"/>
JenisKelamin	<input type="radio"/> Pria <input checked="" type="radio"/> Perempuan
Status Beasiswa	<input checked="" type="checkbox"/> Dapat Beasiswa
<input type="button" value="Check Form"/>	

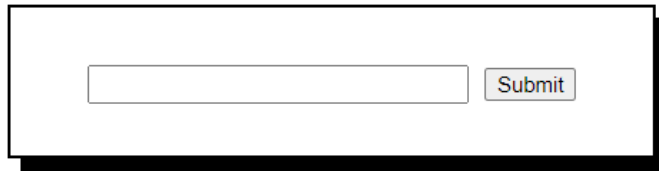


## 17. Slide 58

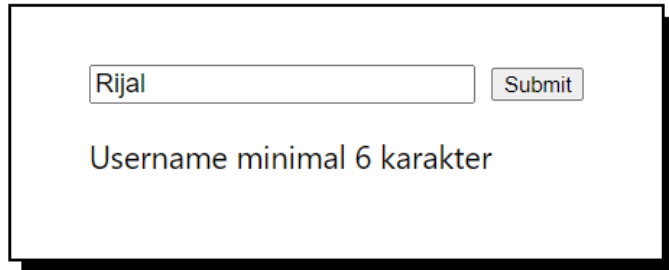
Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {
13            username: "",
14            pesanError: "",
15          }
16        }
17
18        handleUsernameChange = (event) => {
19          this.setState({ username: event.target.value})
20        }
21
22        handleFormSubmit = (event) => {
23          event.preventDefault();
24          console.log(this.state.username)
25
26          if (this.state.username.trim() === "") {
27            this.setState({ pesanError: "Username tidak boleh kosong"})
28          } else if (this.state.username.length < 6) {
29            this.setState({ pesanError: "Username minimal 6 karakter"})
30          } else {
31            this.setState({ pesanError: ""})
32            alert("Username valid")
33          }
34        }
35
36        render() {
37          return (
38            <div className="container">
39              <form onSubmit={this.handleFormSubmit}>
40                <input type="text" value={this.state.username}
41                  onChange={this.handleUsernameChange} />
42                <input type="submit" style={{ marginLeft: "10px" }} />
43              </form>
44              {this.state.pesanError && <p>{this.state.pesanError}</p>}
45            </div>
46          )
47        }
48      }
49      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
50
51    </script>
52  </body>
```

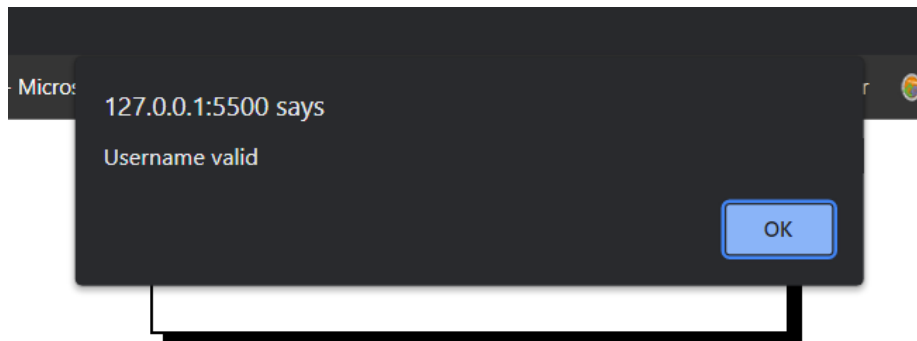
Hasil:



A screenshot of a web form. It features a single-line text input field that is currently empty. To the right of the input field is a button labeled "Submit". The entire form is enclosed in a light gray border.



A screenshot of a web form. The text input field now contains the name "Rijal". Below the input field, an error message is displayed: "Username minimal 6 karakter". The "Submit" button remains to the right of the input field.

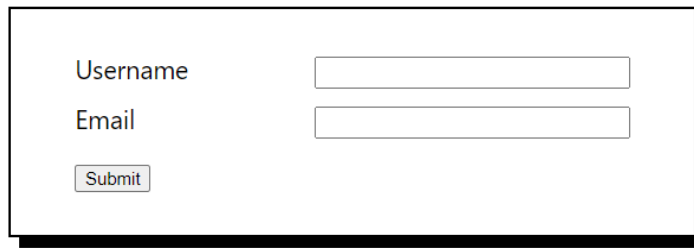


## 18. Slide 64

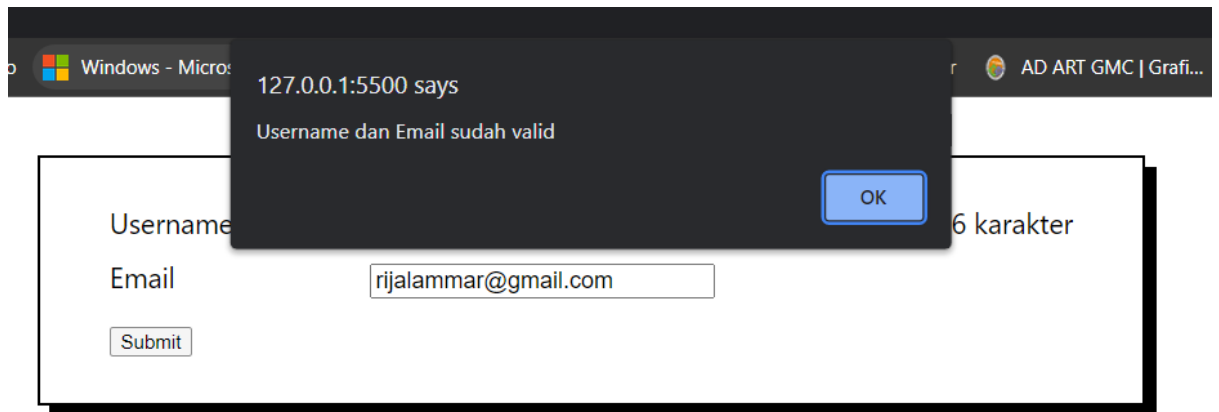
### Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {
13            username: "",
14            email: "",
15            errors: {
16              username: "",
17              email: ""
18            },
19          }
20        }
21
22        handleInputChange = (event) => {
23          this.setState({ [event.target.name]: event.target.value })
24        }
25
26        handleFormSubmit = (event) => {
27          event.preventDefault();
28
29          const username = this.state.username;
30          const email = this.state.email;
31          let errors = this.state.errors;
32
33          if (!username) {
34            errors.username = "Username Tidak Boleh Kosong"
35          } else if (username.length < 6) {
36            errors.username = "Username minimal 6 karakter"
37          } else {
38            errors.username = ""
39          }
40
41          if (!email) {
42            errors.email = "Email Tidak Boleh Kosong"
43          } else if (email.length < 6) {
44            errors.email = "Email minimal 6 karakter"
45          } else {
46            errors.email = ""
47          }
48
49          this.setState({ errors: errors })
50
51          let formValid = true;
52          for (let propName in errors) {
53            if (errors[propName].length > 0) {
54              formValid = false;
55            }
56          }
57
58          if (formValid) {
59            console.log(formValid)
60            alert("Username dan Email sudah valid")
61          }
62        }
63
64        render() {
65          return (
66            <div className="container">
67              <form onSubmit={this.handleFormSubmit} noValidate>
68
69                <div>
70                  <label htmlFor="username">Username</label>
71                  <input type="text" name="username" id="username"
72                    value={this.state.username}
73                    onChange={this.handleInputChange}/>
74                  {this.state.errors.username &&
75                    <small>{this.state.errors.username}</small>}
76                </div>
77
78                <div>
79                  <label htmlFor="email">Email</label>
80                  <input type="text" name="email" id="email"
81                    value={this.state.email}
82                    onChange={this.handleInputChange}/>
83                  {this.state.errors.email &&
84                    <small>{this.state.errors.email}</small>}
85                </div>
86                <input type="submit" style={{ marginTop: "10px" }} />
87              </form>
88            </div>
89          )
90        }
91      }
92      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
93
94    </script>
95  </body>
```

Hasil:



A screenshot of a web form with two input fields: "Username" and "Email". Below the "Email" field is a "Submit" button. The form is enclosed in a black border.



A screenshot of the same web form, but with a dark overlay message box in the center. The message box contains the text "127.0.0.1:5500 says" and "Username dan Email sudah valid", with an "OK" button. The "Email" field now contains the text "rijalammar@gmail.com". To the right of the "Email" field, the text "6 karakter" is visible. The "Submit" button is still present. The background shows a Windows taskbar with "Windows - Micro..." and "AD ART GMC | Grafi..." open.

## 19. Slide 66

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.state = {judul: "Belajar React"}
13        }
14
15        handleClick = () => {
16          this.setState({ judul: "Belajar JavaScript" })
17        }
18        render() {
19          return (
20            <div>
21              <h1>{this.state.judul}</h1>
22              <button onClick={this.handleClick}>Tukar Judul</button>
23            </div>
24          )
25        }
26      }
27      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
28
29    </script>
30  </body>
```

Hasil:

# Belajar React

Tukar Judul

# Belajar JavaScript

Tukar Judul



## 20. Slide 68

Code:

```
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      class MyApp extends React.Component {
10        handleClick = () => {
11          document.getElementById("judul").innerHTML = "Belajar JavaScript"
12        }
13        render() {
14          return (
15            <div>
16              <h1 id="judul">Belajar React</h1>
17              <button onClick={this.handleClick}>Tukar Judul</button>
18            </div>
19          )
20        }
21      }
22      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
23
24    </script>
25  </body>
```

Hasil:

# Belajar React

Tukar Judul

# Belajar JavaScript

Tukar Judul

## 21. Slide 69

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.judulRef = React.createRef()
13        }
14
15        handleButtonClick = () => {
16          this.judulRef.current.innerHTML = "Belajar JavaScript"
17        }
18        render() {
19          return (
20            <div>
21              <h1 ref={this.judulRef}>Belajar React</h1>
22              <button onClick={this.handleButtonClick}>Tukar Judul</button>
23            </div>
24          )
25        }
26      }
27      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
28
29    </script>
30  </body>
```

Hasil:

# Belajar React

Tukar Judul

# Belajar JavaScript

Tukar Judul

## 22. Slide 71

Code:

```
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      class MyApp extends React.Component {
10        constructor(props) {
11          super(props)
12          this.inputRef = React.createRef()
13        }
14
15        handleButtonClick = () => {
16          console.log(this.inputRef.current.value)
17        }
18        render() {
19          return (
20            <div>
21              <input type="text" ref={this.inputRef} />
22              <button onClick={this.handleButtonClick}>Check Input</button>
23            </div>
24          )
25        }
26      }
27      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
28
29    </script>
30  </body>
```

Hasil:

Check Input

