

**LAPORAN PRAKTIKUM PEMOGRAMAN BERBASIS FRAMEWORK**

**MINNGU KE-7**

**REACT STATE**



**Oleh :**

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**JURUSAN TEKNOLOGI INFORMASI**

**PROGRAM STUDI D-IV TEKNIK INFORMATIKA**

**POLITEKNIK NEGERI MALANG**

**2023**

1. STATE

```
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</title>
8.   <style>
9.     #root {
10.       display: flex;
11.       justify-content: center;
12.     }
13.
14.     div {
15.       display: flex;
16.       justify-content: center;
17.       flex-direction: column;
18.       align-items: center;
19.     }
20.
21.   h1 {
22.     background-color: gainsboro;
23.     font-size: 3em;
24.     text-align: center;
25.     padding: 10px 20px;
26.     margin: 15px 0;
27.   }
28.
29.   button {
30.     background-color: white;
31.     cursor: pointer;
32.     padding: 10px 20px;
33.     font-weight: bold;
34.     border: 1px solid gray;
35.     box-shadow: 2px 2px 2px black;
36.     margin: 10px;
37.   }
38.
39.   button:hover {
40.     box-shadow: 1px 1px 1px black;
41.     background-color: #f1f1f1;
42.   }
43.   </style>
44. </head>
45. <body>
46.   <div id="root"></div>
```

```
47.      <script src="js/react.development.js"></script>
48.      <script src="js/react-dom.development.js"></script>
49.      <script src="js/babel.js"></script>
50.      <script type="text/babel">
51.          class MyApp extends React.Component {
52.              constructor(props) {
53.                  super(props);
54.                  this.judul = "Belajar React";
55.              }
56.
57.              handleButtonClick = () => {
58.                  alert("Hello React");
59.              }
60.
61.              render() {
62.                  return (
63.                      <div>
64.                          <h1>{this.judul}</h1>
65.                          <button onClick={this.handleButtonClick}>Click
me</button>
66.                      </div>
67.                  )
68.              }
69.          }
70.
71.          ReactDOM.createRoot(document.getElementById('root')).render(<My
App />);
72.      </script>
73.</body>
74.</html>
```

HASIL:

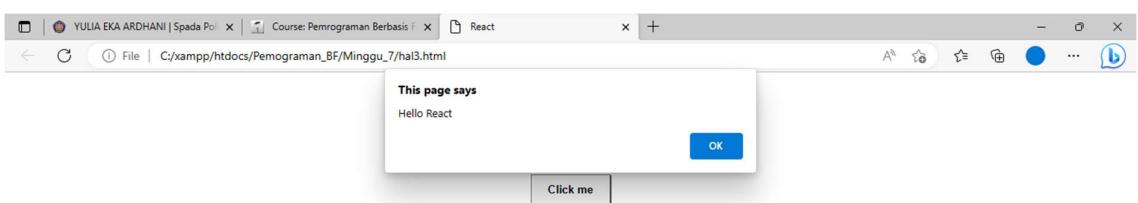


## Belajar React

Click me



Saat diklik



Click me



```
<!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>React</title>
    <style>
```

```
#root {
    display: flex;
    justify-content: center;
}

div {
    display: flex;
    justify-content: center;
    flex-direction: column;
    align-items: center;
}

h1 {
    background-color: gainsboro;
    font-size: 3em;
    text-align: center;
    padding: 10px 20px;
    margin: 15px 0;
}

button {
    background-color: white;
    cursor: pointer;
    padding: 10px 20px;
    font-weight: bold;
    border: 1px solid gray;
    box-shadow: 2px 2px 2px black;
    margin: 10px;
}

button:hover {
    box-shadow: 1px 1px 1px black;
    background-color: #f1f1f1;
}

</style>
</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 MyApp extends React.Component {
            constructor(props) {
                super(props);
                this.judul = "Belajar React";
            }
        }
    </script>
</body>
```

```

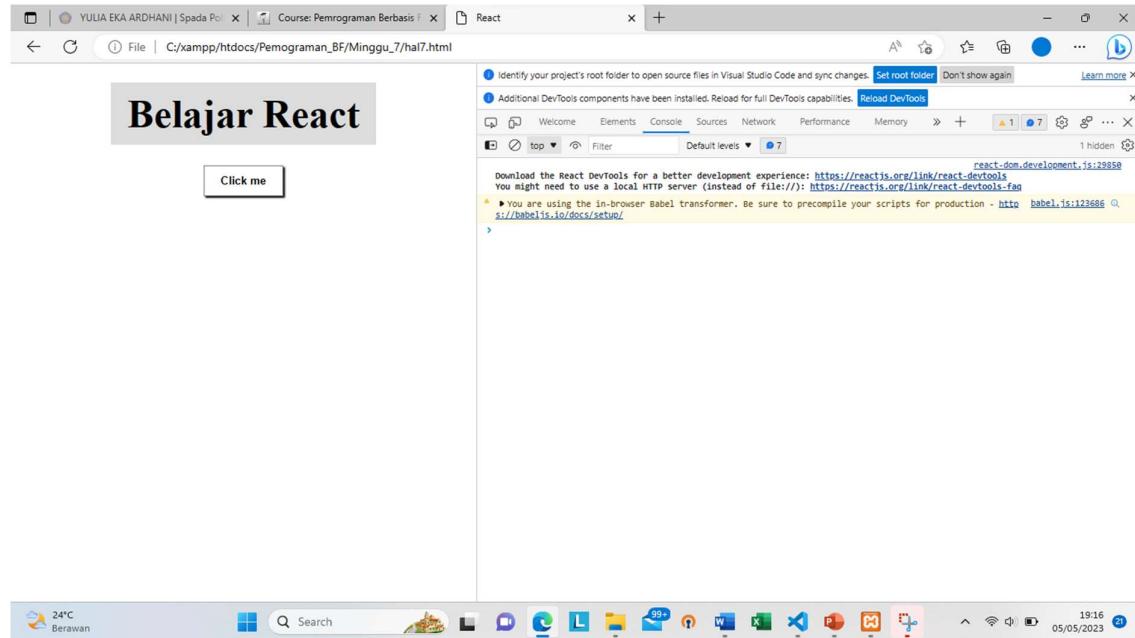
        handleButtonClick = () => {
            this.judul = "Belajar JavaScript";
        }

        render() {
            return (
                <div>
                    <h1>{this.judul}</h1>
                    <button onClick={this.handleButtonClick}>Click
me</button>
                </div>
            )
        }
    }

    ReactDOM.createRoot(document.getElementById('root')).render(<MyApp
/>);
</script>
</body>
</html>

```

## Hasil



```

<!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>React Uncover</title>

```

```
<style>
  #root {
    display: flex;
    justify-content: center;
  }

  div {
    display: flex;
    justify-content: center;
    flex-direction: column;
    align-items: center;
  }

  h1 {
    background-color: gainsboro;
    font-size: 3em;
    text-align: center;
    padding: 10px 20px;
    margin: 15px 0;
  }

  button {
    background-color: white;
    cursor: pointer;
    padding: 10px 20px;
    font-weight: bold;
    border: 1px solid gray;
    box-shadow: 2px 2px 2px black;
    margin: 10px;
  }

  button:hover {
    box-shadow: 1px 1px 1px black;
    background-color: #f1f1f1;
  }
</style>
</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 MyApp extends React.Component {
      constructor(props) {
        super(props);
        this.judul = "Belajar React";
      }
    }
  </script>
</body>
```

```

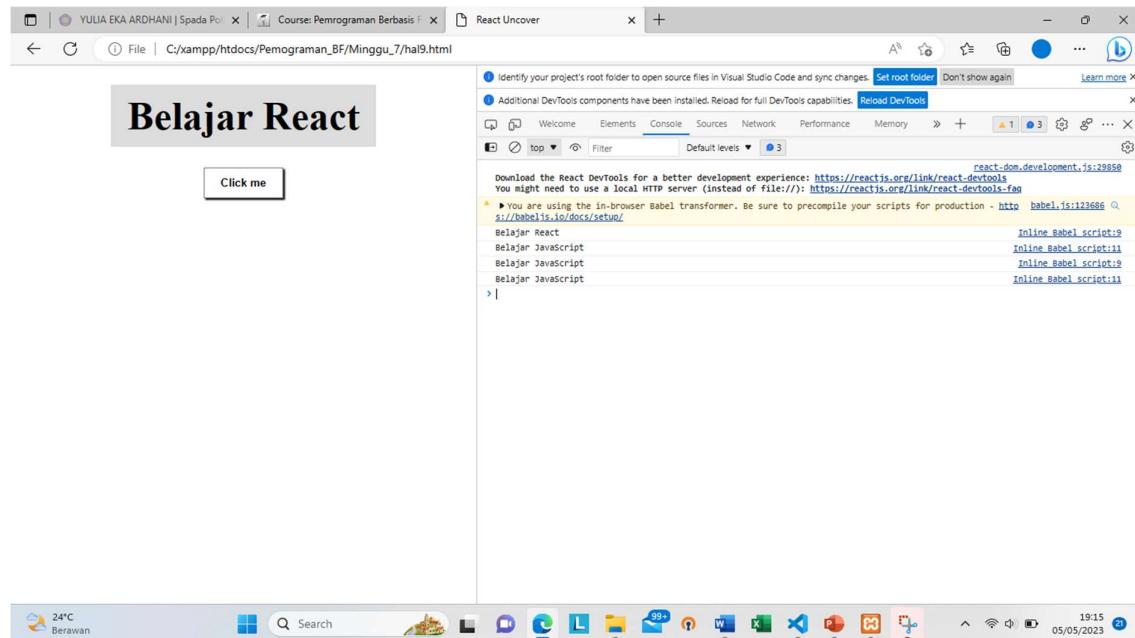
        handleButtonClick = () => {
            console.log(this.judul);
            this.judul = "Belajar JavaScript";
            console.log(this.judul);
        }

        render() {
            return (
                <div>
                    <h1>{this.judul}</h1>
                    <button onClick={this.handleButtonClick}>Click
me</button>
                </div>
            )
        }
    }

    ReactDOM.createRoot(document.getElementById('root')).render(<MyApp
/>);
</script>
</body>
</html>

```

## Hasil



```

<!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>React Uncover</title>
    <style>
        #root {
            display: flex;
            justify-content: center;
        }

        div {
            display: flex;
            justify-content: center;
            flex-direction: column;
            align-items: center;
        }

        h1 {
            background-color: gainsboro;
            font-size: 3em;
            text-align: center;
            padding: 10px 20px;
            margin: 15px 0;
        }

        button {
            background-color: white;
            cursor: pointer;
            padding: 10px 20px;
            font-weight: bold;
            border: 1px solid gray;
            box-shadow: 2px 2px 2px black;
            margin: 10px;
        }

        button:hover {
            box-shadow: 1px 1px 1px black;
            background-color: #f1f1f1;
        }
    </style>
</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 MyApp extends React.Component {
        constructor(props) {
            super(props);
            this.state = { judul: "Belajar React" };
        }

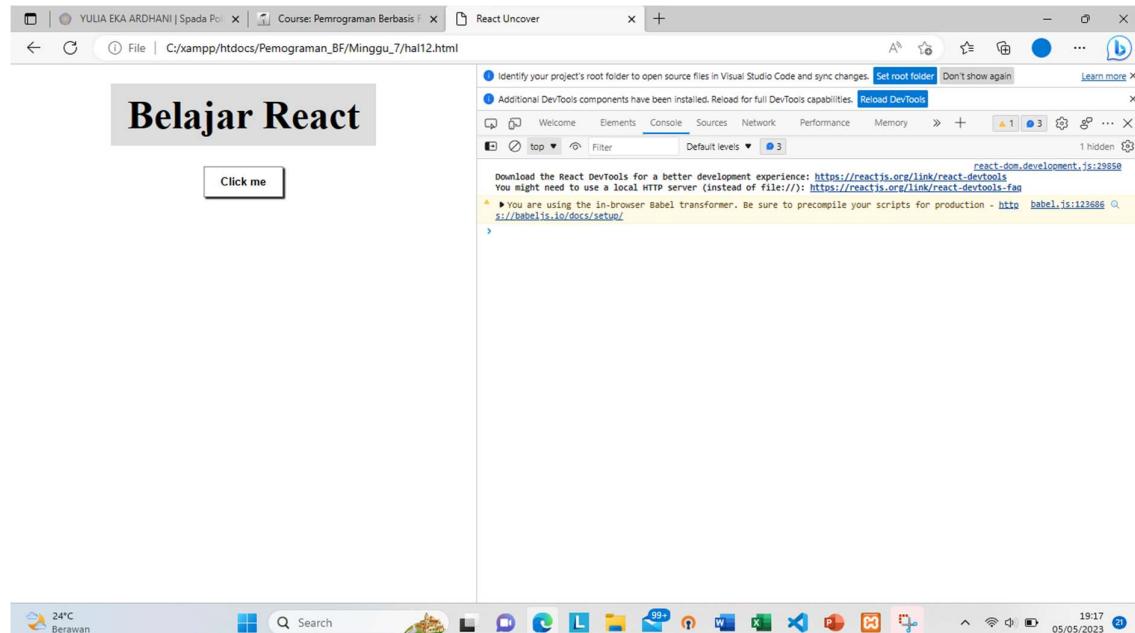
        handleButtonClick = () => {
            this.setState({judul: "Belajar JavaScript"});
        }

        render() {
            return (
                <div>
                    <h1>{this.state.judul}</h1>
                    <button onClick={this.handleButtonClick}>Click
me</button>
                </div>
            )
        }
    }

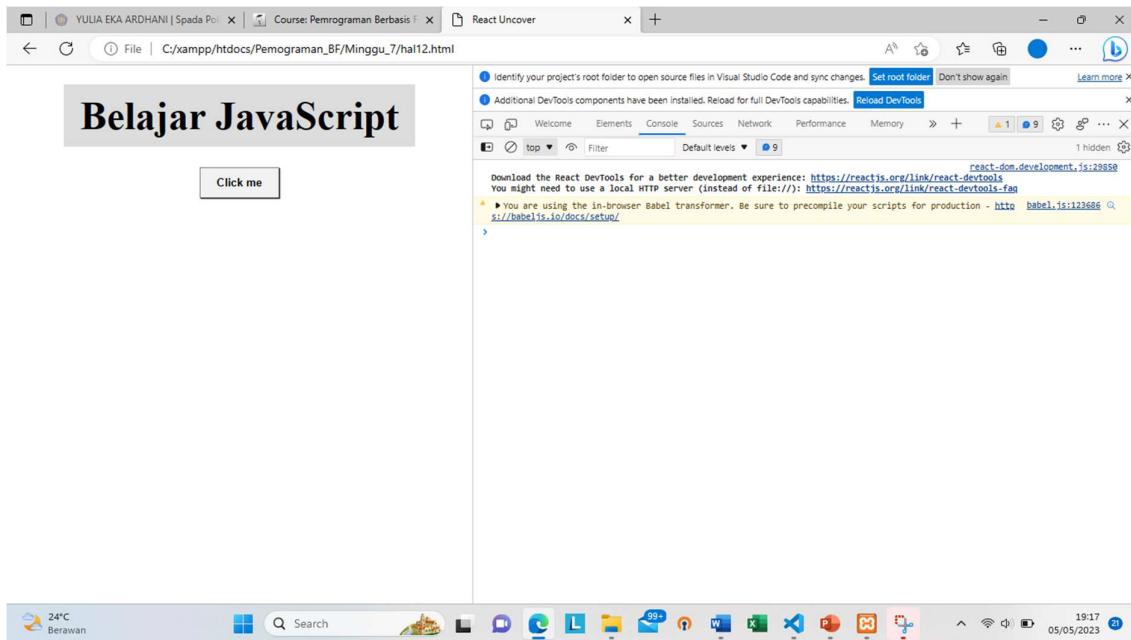
    ReactDOM.createRoot(document.getElementById('root')).render(<MyApp
/>);
</script>
</body>
</html>

```

Hasil



Saat diklik



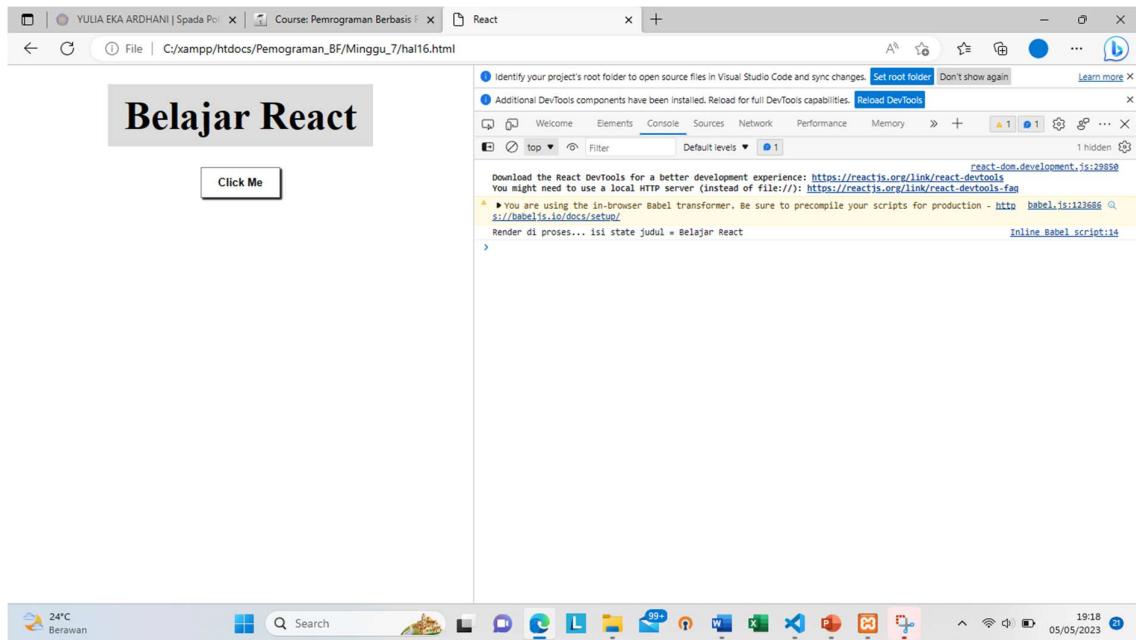
## 2. Prinsip kerja state

```
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</title>
8.   <style>
9.     #root {
10.       display: flex;
11.       justify-content: center;
12.     }
13.
14.   div {
15.     display: flex;
16.     justify-content: center;
17.     flex-direction: column;
18.     align-items: center;
19.   }
20.
21.   h1 {
22.     background-color: gainsboro;
23.     font-size: 3em;
24.     text-align: center;
25.     padding: 10px 20px;
26.     margin: 15px 0;
```

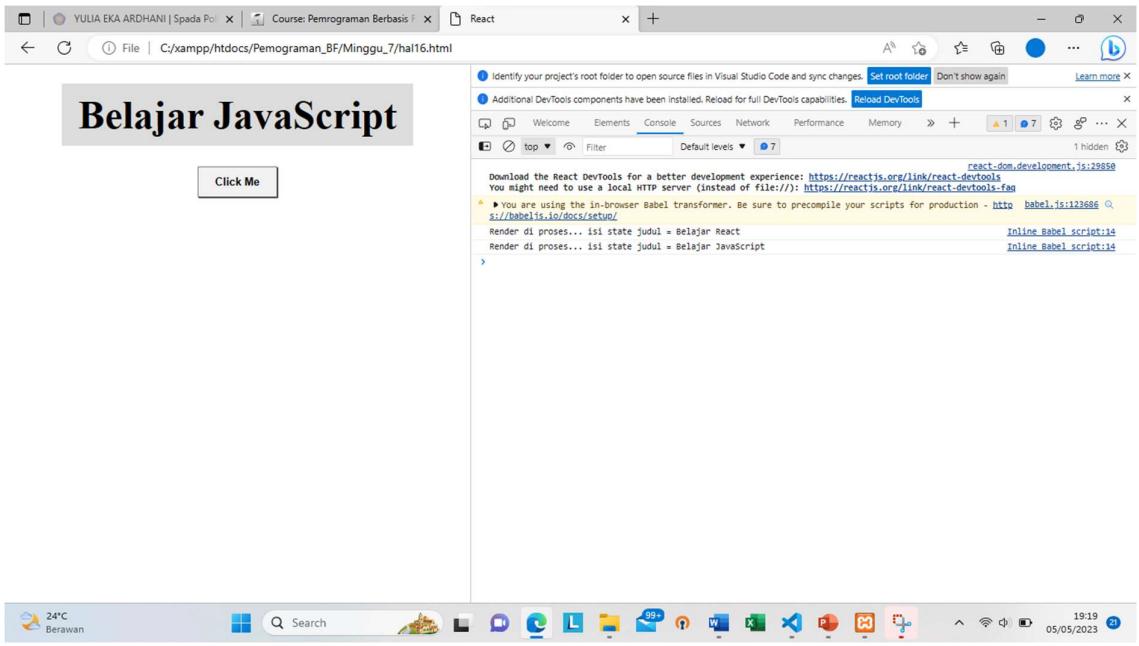
```
27.      }
28.
29.      button{
30.          background-color: white;
31.          cursor: pointer;
32.          padding: 10px 20px;
33.          font-weight: bold;
34.          border: 1px solid gray;
35.          box-shadow: 2px 2px 2px black;
36.          margin: 10px;
37.      }
38.
39.      button:hover{
40.          box-shadow: 1px 1px 1px black;
41.          background-color: #f1f1f1;
42.      }
43.  </style>
44.</head>
45.<body>
46.  <div id="root"></div>
47.
48.  <script src="js/react.development.js"></script>
49.  <script src="js/react-dom.development.js"></script>
50.  <script src="js/babel.js"></script>
51.  <script type="text/babel">
52.
53.      class MyApp extends React.Component {
54.          constructor(props){
55.              super(props);
56.              this.state = { judul: "Belajar React"};
57.          }
58.
59.          handleButtonClick = () => {
60.              this.setState({judul: "Belajar JavaScript"});
61.          }
62.
63.          render(){
64.              console.log(`Render di proses... isi state judul =
${this.state.judul}`);
65.              //lihat juga ke insperct element, bahwa hanya tag <h1>
66.              //yang berkedip
67.              return(
68.                  <div>
69.                      <h1>{this.state.judul}</h1>
70.                      <button
71.                          onClick={this.handleButtonClick}>Click Me</button>
72.                  )
```

```
72.          }
73.      }
74.
75.      ReactDOM.createRoot(document.getElementById('root')).render
76.        (<MyApp/>);
77.    </script>
78.</body>
79.</html>
```

## Hasil



Saat diklik



```
<!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>React</title>
    <style>
        #root {
            display: flex;
            justify-content: center;
        }

        div {
            display: flex;
            justify-content: center;
            flex-direction: column;
            align-items: center;
        }

        h1 {
            background-color: gainsboro;
            font-size: 3em;
            text-align: center;
            padding: 10px 20px;
            margin: 15px 0;
        }

        button{
            background-color: white;
        }
    </style>

```

```
        cursor: pointer;
        padding: 10px 20px;
        font-weight: bold;
        border: 1px solid gray;
        box-shadow: 2px 2px 2px black;
        margin: 10px;
    }

    button:hover{
        box-shadow: 1px 1px 1px black;
        background-color: #f1f1f1;
    }

```

```
</style>
</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">

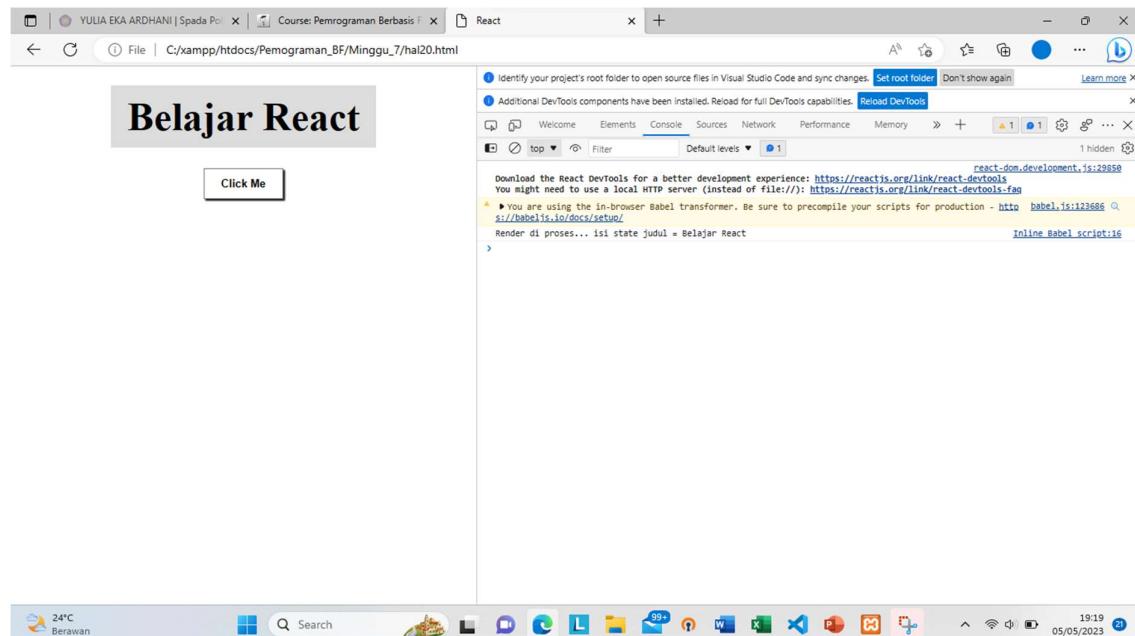
        class MyApp extends React.Component {
            constructor(props){
                super(props);
                this.state = { judul: "Belajar React"};
            }

            handleButtonClick = () => {
                if (this.state.judul !== "Belajar JavaScript"){
                    this.setState({judul: "Belajar JavaScript"});
                }
            }

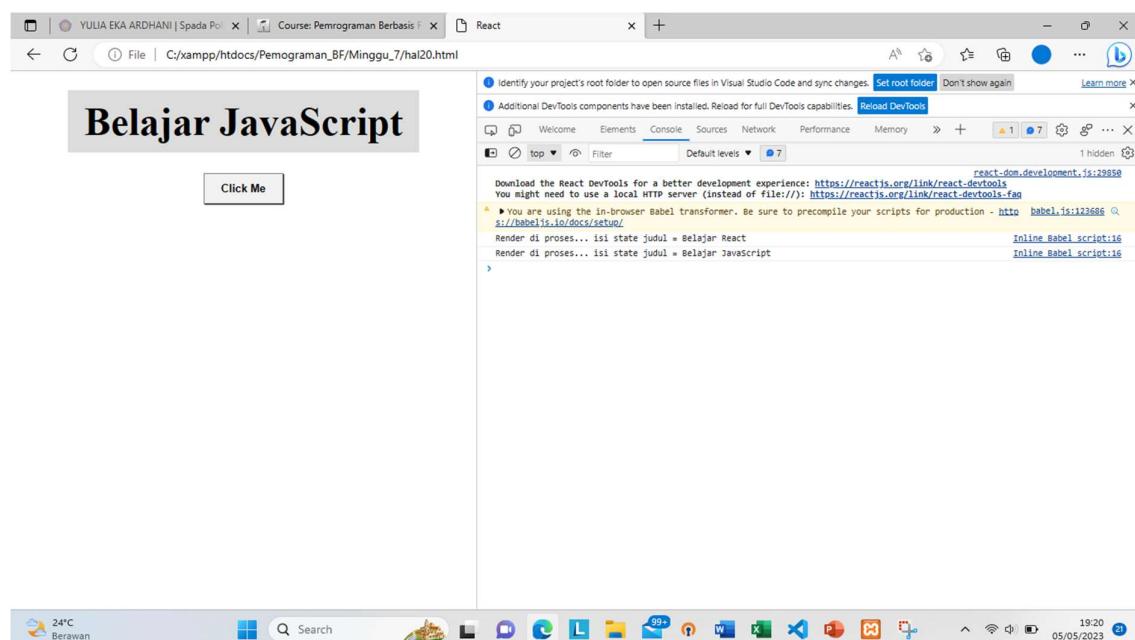
            render(){
                console.log(`Render di proses... isi state judul =
${this.state.judul}`);
                //lihat juga ke insperct element, bahwa hanya tag <h1> yang
berkedip
                return(
                    <div>
                        <h1>{this.state.judul}</h1>
                        <button onClick={this.handleButtonClick}>Click
Me</button>
                    </div>
                )
            }
        }
    
```

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

## Hasil



## Saat diklik



```
<!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>React</title>
    <style>
        #root {
            display: flex;
            justify-content: center;
        }

        div {
            display: flex;
            justify-content: center;
            flex-direction: column;
            align-items: center;
        }

        h1 {
            background-color: gainsboro;
            font-size: 3em;
            text-align: center;
            padding: 10px 20px;
            margin: 15px 0;
        }

        button{
            background-color: white;
            cursor: pointer;
            padding: 10px 20px;
            font-weight: bold;
            border: 1px solid gray;
            box-shadow: 2px 2px 2px black;
            margin: 10px;
        }

        button:hover{
            box-shadow: 1px 1px 1px black;
            background-color: #f1f1f1;
        }
    </style>
</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">

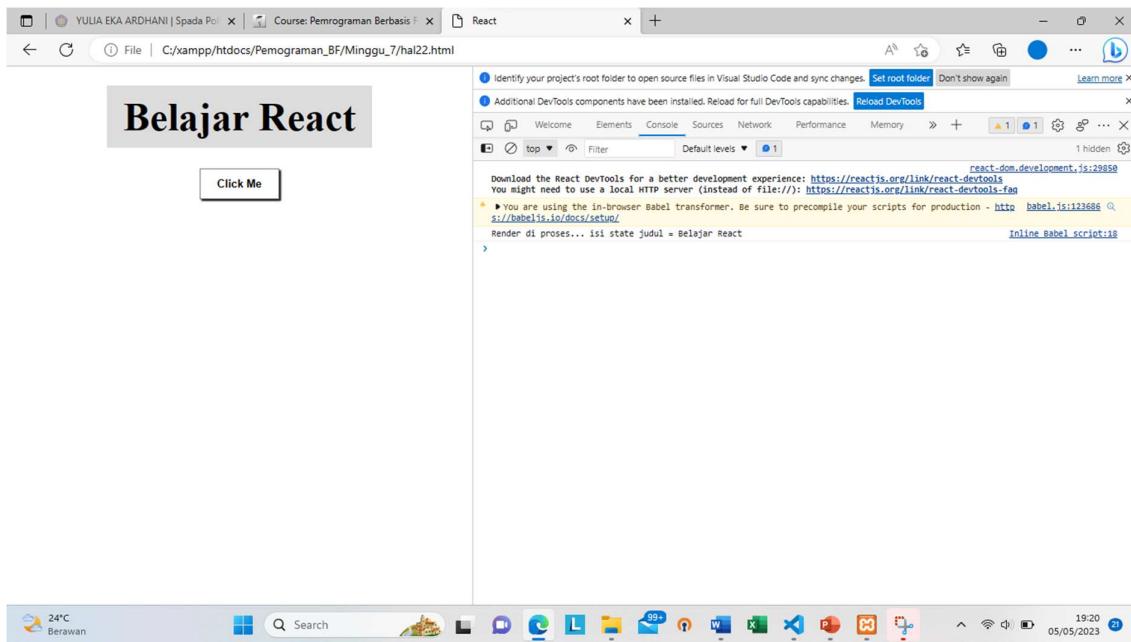
    class MyApp extends React.Component {
        constructor(props){
            super(props);
            this.state = { judul: "Belajar React"};
        }

        handleButtonClick = () => {
            if (this.state.judul !== "Belajar JavaScript"){
                this.setState({judul: "Belajar JavaScript"});
            } else{
                this.setState({judul: "Belajar React"});
            }
        }

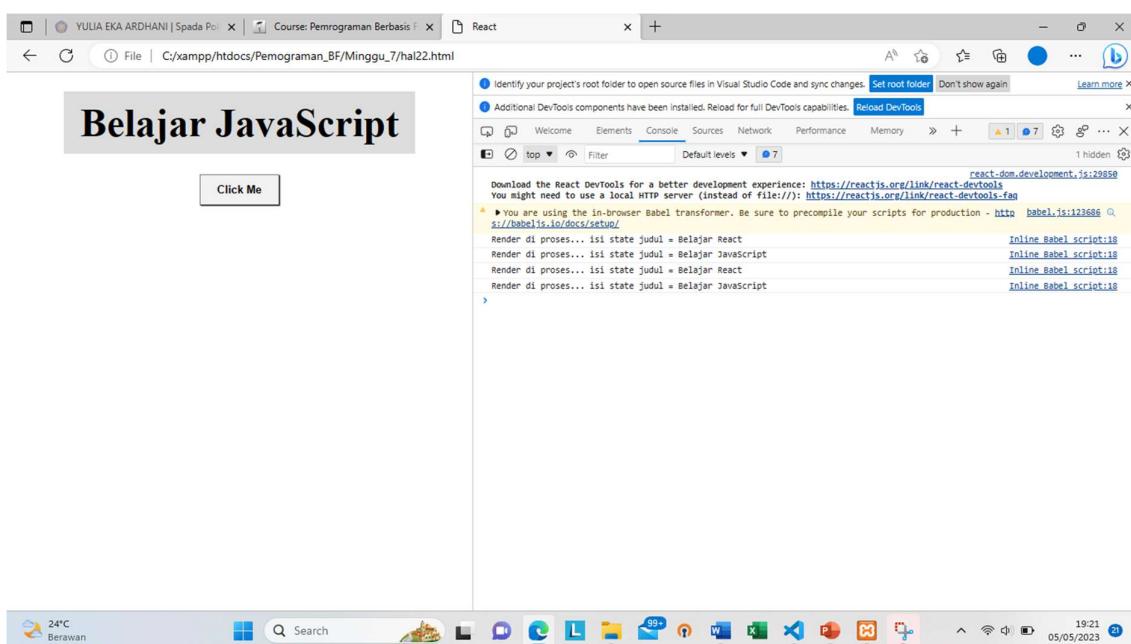
        render(){
            console.log(`Render di proses... isi state judul =
${this.state.judul}`);
            //lihat juga ke insperct element, bahwa hanya tag <h1> yang
berkedip
            return(
                <div>
                    <h1>{this.state.judul}</h1>
                    <button onClick={this.handleButtonClick}>Click
Me</button>
                </div>
            )
        }
    }

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

Hasil



Saat diklik

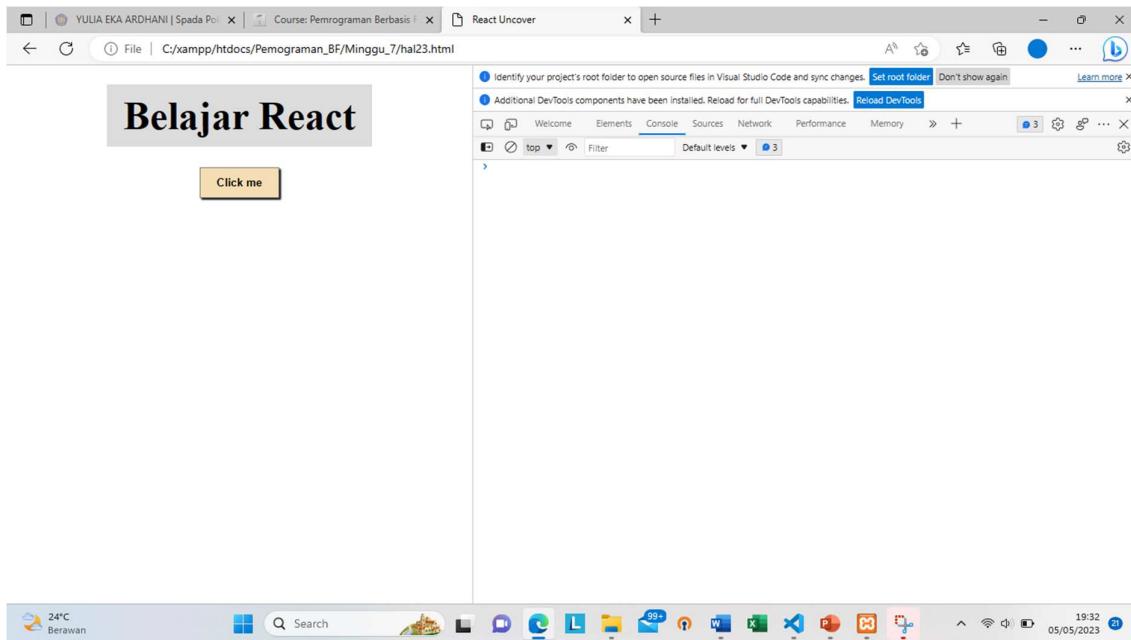


### 3. Virtual DOM React

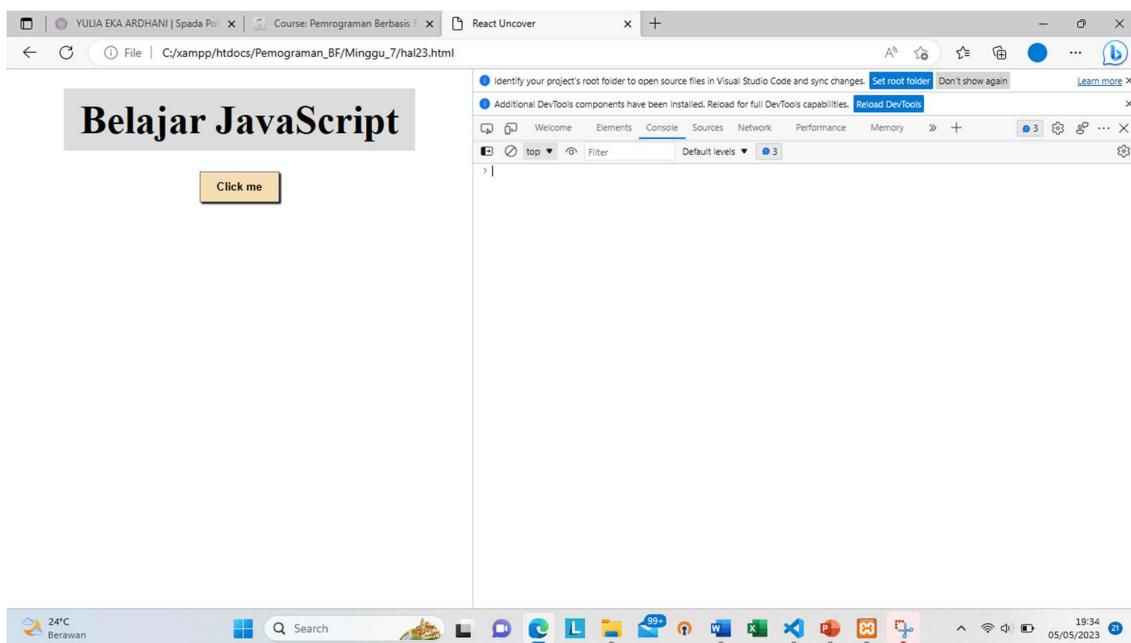
```
1. <!DOCTYPE html>
2. <html lang="en">
3. <head>
4.   <meta charset="UTF-8">
5.   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6.   <meta name="viewport" content="width=device-width, initial-
   scale=1.0">
7.   <title>React Uncover</title>
8.   <style>
```

```
9.      #root{
10.        display: flex;
11.        justify-content: center;
12.      }
13.      div{
14.        display: flex;
15.        justify-content: center;
16.        flex-direction: column;
17.        align-items: center;
18.      }
19.      h1 {
20.        background-color: gainsboro;
21.        font-size: 3em;
22.        text-align: center;
23.        padding: 10px 20px;
24.        margin: 15px 0;
25.      }
26.      button{
27.        background-color: wheat;
28.        cursor: pointer;
29.        padding: 10px 20px;
30.        font-weight: bold;
31.        border: 1px solid gray;
32.        box-shadow: 2px 2px 2px black;
33.        margin: 10px;
34.      }
35.      button:hover{
36.        box-shadow: 1px 1px 1px black;
37.        background-color: aliceblue;
38.      }
39.    </style>
40.</head>
41.<body>
42.  <div id="root">
43.    <div>
44.      <h1 id="judul">Belajar React</h1>
45.      <button onclick="handleButtonClick()">Click me</button>
46.    </div>
47.  </div>
48.
49.  <script>
50.    let h1Node = document.getElementById("judul");
51.    const handleButtonClick = () => {
52.      h1Node.innerHTML = "Belajar JavaScript";
53.    };
54.  </script>
55.  </body>
56.</html>
```

## Hasil



## Saat diklik



### 4. State di Class Component

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">

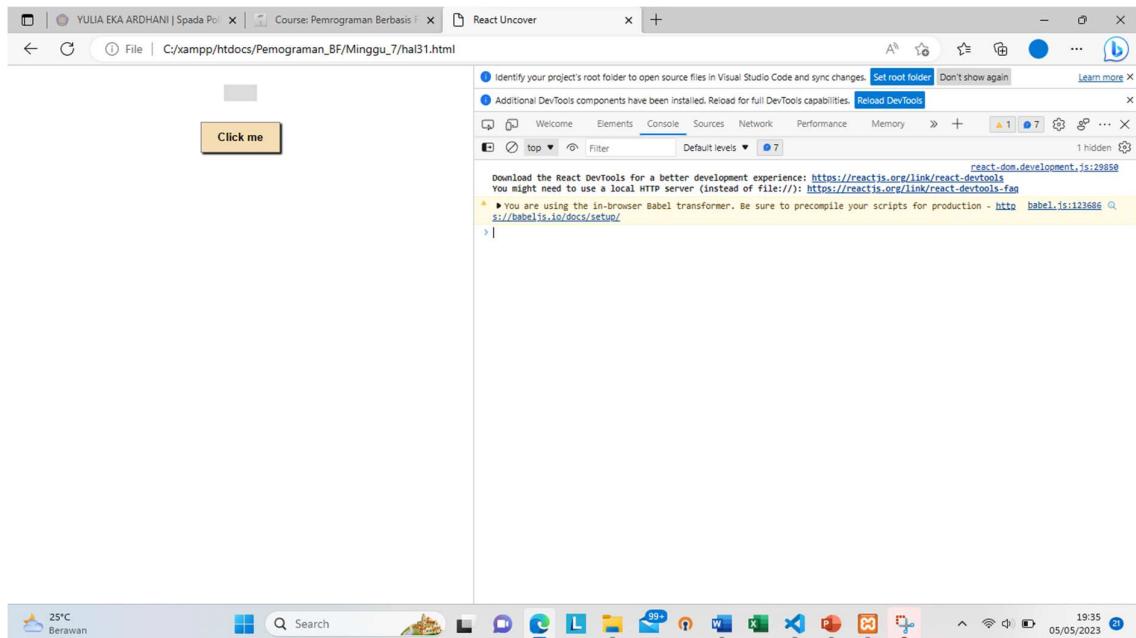
```
7.      <meta name="viewport" content="width=device-width, initial-
   scale=1.0">
8.      <title>React Uncover</title>
9.      <style>
10.         #root {
11.             display: flex;
12.             justify-content: center;
13.         }
14.
15.         div {
16.             display: flex;
17.             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: wheat;
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: aliceblue;
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.
```

```

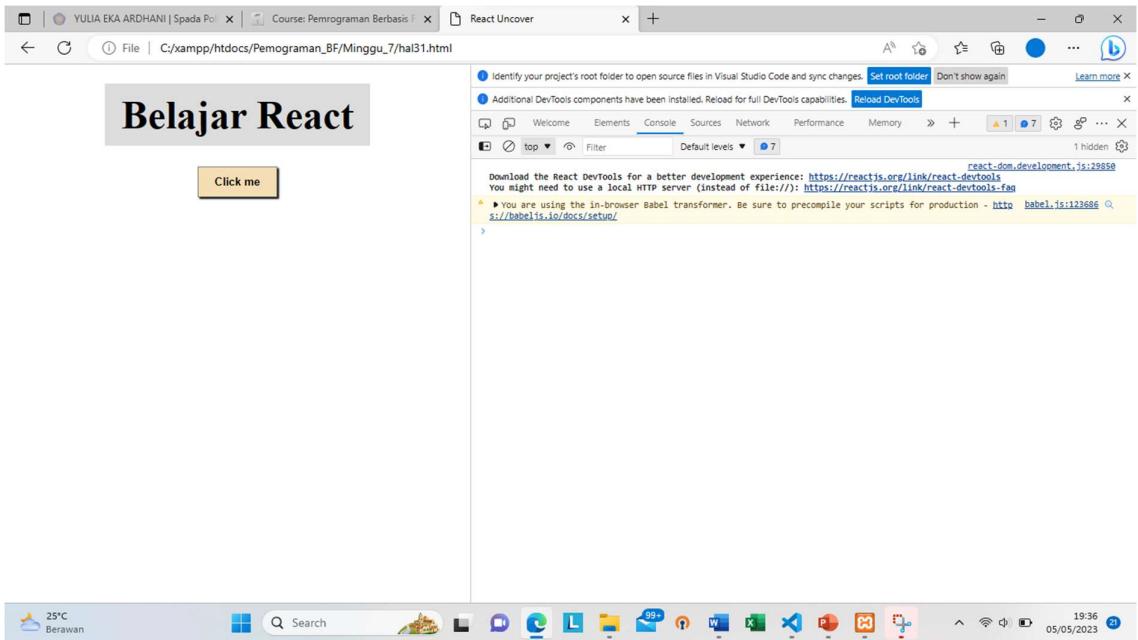
54.     class MyApp extends React.Component {
55.         handleClick = () => {
56.             this.state = {judul: "Belajar React"};
57.             document.getElementById("judul").innerHTML =
58.                 this.state.judul;
59.             }
60.             render(){
61.                 return(
62.                     <div>
63.                         <h1 id="judul"></h1>
64.                         <button onClick={this.handleClick}>Click
65.                             me</button>
66.                         )
67.                     }
68.                 }
69.                 ReactDOM.createRoot(document.getElementById('root')).render(<My
App />);
70.             </script>
71. </body>
72.
73.</html>

```

## Hasil



Saat diklik



```
<!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>React Uncover</title>
    <style>
        #root {
            display: flex;
            justify-content: center;
        }

        div {
            display: flex;
            justify-content: center;
            flex-direction: column;
            align-items: center;
        }

        h1 {
            background-color: gainsboro;
            font-size: 3em;
            text-align: center;
            padding: 10px 20px;
            margin: 15px 0;
        }

        button {
            border: none;
            border-radius: 5px;
            padding: 10px 20px;
            font-size: 1em;
            color: inherit;
            background-color: inherit;
        }
    </style>

```

```
        background-color: wheat;
        cursor: pointer;
        padding: 10px 20px;
        font-weight: bold;
        border: 1px solid gray;
        box-shadow: 2px 2px 2px black;
        margin: 10px;
    }

    button:hover {
        box-shadow: 1px 1px 1px black;
        background-color: aliceblue;
    }

```

</style>

</head>

<body>

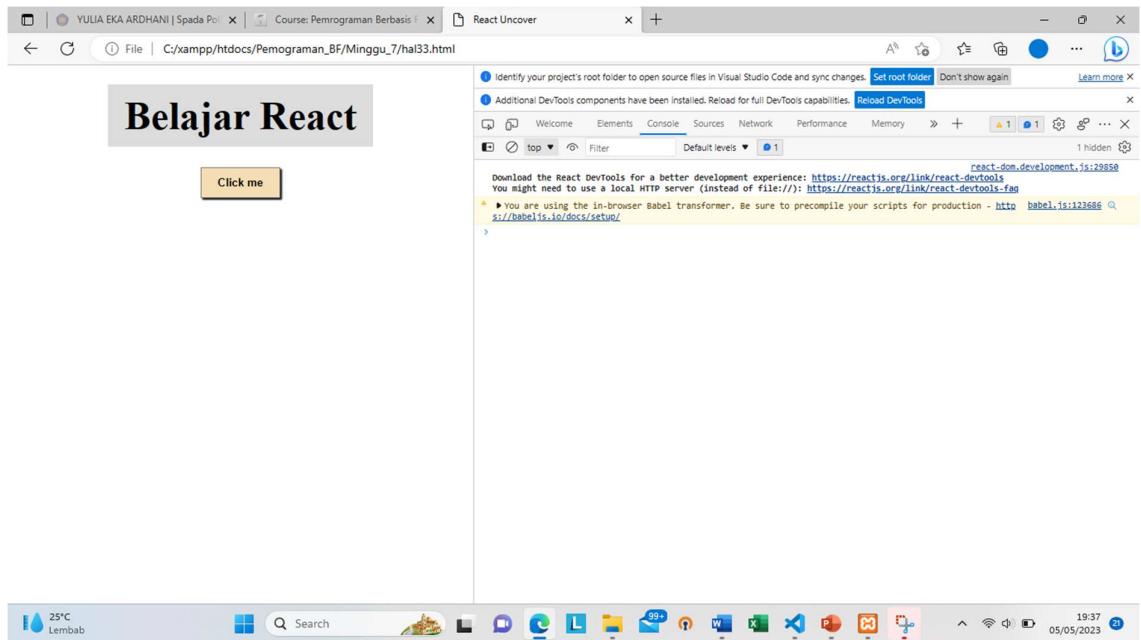
```
<div id="root"></div>
<script src="js/react.development.js"></script>
<script src="js/react-dom.development.js"></script>
<script src="js/babel.js"></script>
<script type="text/babel">

    class MyApp extends React.Component {
        constructor(props) {
            super(props);
            this.state = {judul: "Belajar React"};
        }

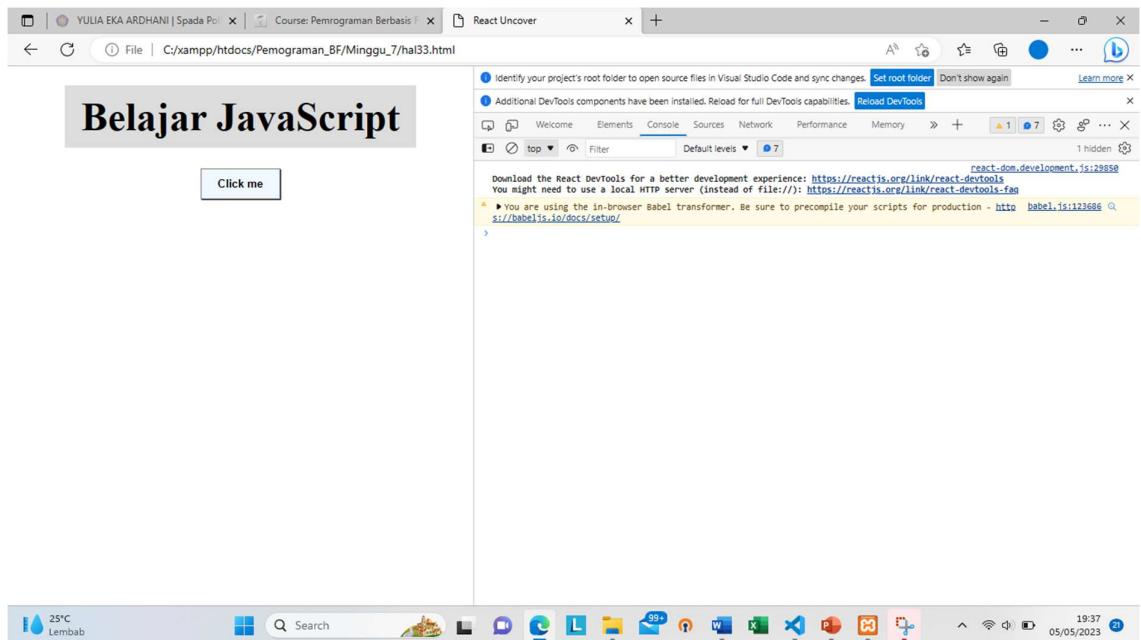
        render(){
            return(
                <div>
                    <h1>{this.state.judul}</h1>
                    <button onClick={() => this.setState({ judul: "Belajar
JavaScript"})}>
                        Click me
                    </button>
                </div>
            )
        }
    }
    ReactDOM.createRoot(document.getElementById('root')).render(<MyApp
/>);
</script>
</body>

</html>
```

## Hasil



## Saat diklik



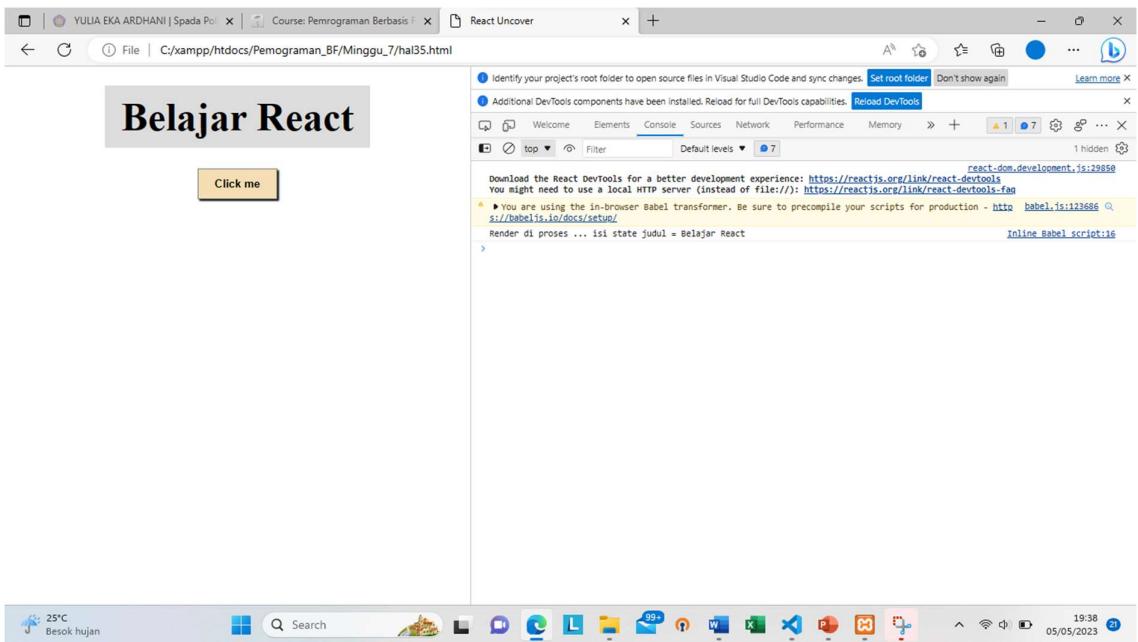
## 5. Mengakses State Setelah di Update

```
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">
```

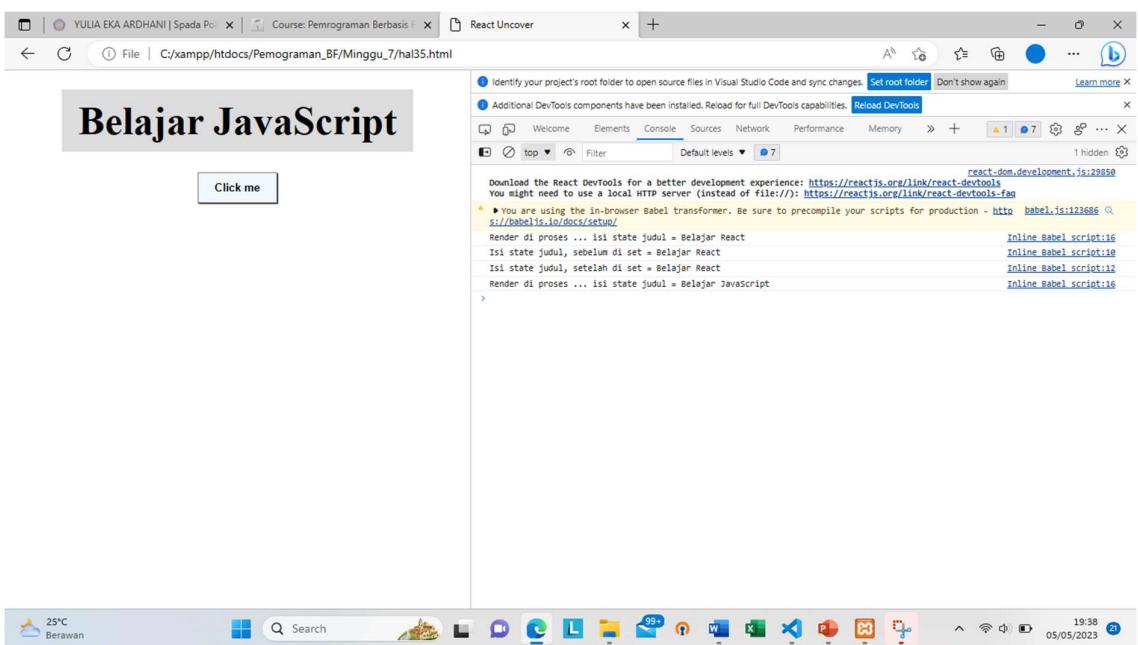
```
7.      <meta name="viewport" content="width=device-width, initial-
   scale=1.0">
8.      <title>React Uncover</title>
9.      <style>
10.         #root {
11.             display: flex;
12.             justify-content: center;
13.         }
14.
15.         div {
16.             display: flex;
17.             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: wheat;
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: aliceblue;
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.      class MyApp extends React.Component {
55.          constructor(props) {
56.              super(props);
57.              this.state = {judul: "Belajar React"};
58.          }
59.
60.          handleButtonClick = () => {
61.              console.log(`Isi state judul, sebelum di set =
62. ${this.state.judul}`);
63.              this.setState({ judul: "Belajar JavaScript" });
64.              console.log(`Isi state judul, setelah di set =
65. ${this.state.judul}`);
66.          }
67.
68.          render(){
69.              console.log(`Render di proses ... isi state judul =
70. ${this.state.judul}`);
71.              return(
72.                  <div>
73.                      <h1>{this.state.judul}</h1>
74.                      <button onClick={this.handleButtonClick}>
75.                          Click me
76.                      </button>
77.                  </div>
78.              )
79.          }
80.      }
81.
82.</html>
```

Hasil



Saat diklik



```
<!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>React Uncover</title>
    <style>
        #root {
```

```
        display: flex;
        justify-content: center;
    }

    div {
        display: flex;
        justify-content: center;
        flex-direction: column;
        align-items: center;
    }

    h1 {
        background-color: gainsboro;
        font-size: 3em;
        text-align: center;
        padding: 10px 20px;
        margin: 15px 0;
    }

    button {
        background-color: wheat;
        cursor: pointer;
        padding: 10px 20px;
        font-weight: bold;
        border: 1px solid gray;
        box-shadow: 2px 2px 2px black;
        margin: 10px;
    }

    button:hover {
        box-shadow: 1px 1px 1px black;
        background-color: aliceblue;
    }
</style>
</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 MyApp extends React.Component {
            constructor(props){
                super(props);
                this.state = {judul: "Belajar React"}
            }
    
```

```

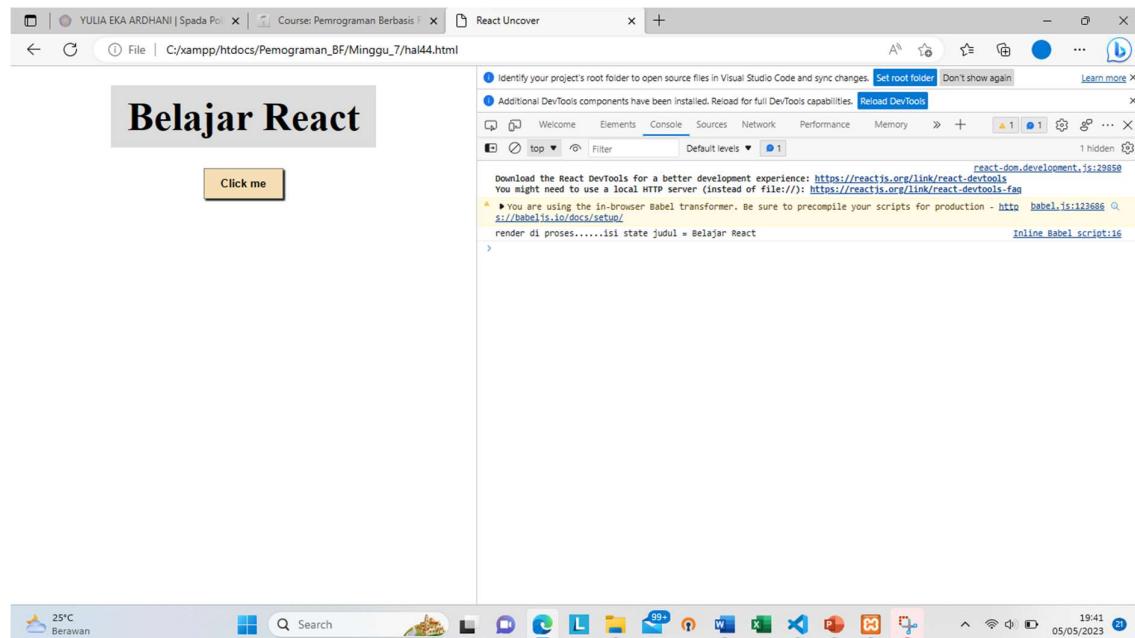
        handleButtonClick = () => {
            console.log(`Isi state judul, sebelum di set =
${this.state.judul}`);
            let varJudul = "Belajar JavaScript";
            this.setState({judul: varJudul});
            console.log(`Isi state judul, setelah di set = ${varJudul}`);
            // state tidak berubah!
        }

        render() {
            console.log(`render di proses.....isi state judul =
${this.state.judul}`);
            return(
                <div>
                    <h1>{this.state.judul}</h1>
                    <button onClick={this.handleButtonClick}>Click
me</button>
                </div>
            )
        }
    }
    ReactDOM.createRoot(document.getElementById('root')).render(<MyApp
/>);
</script>
</body>

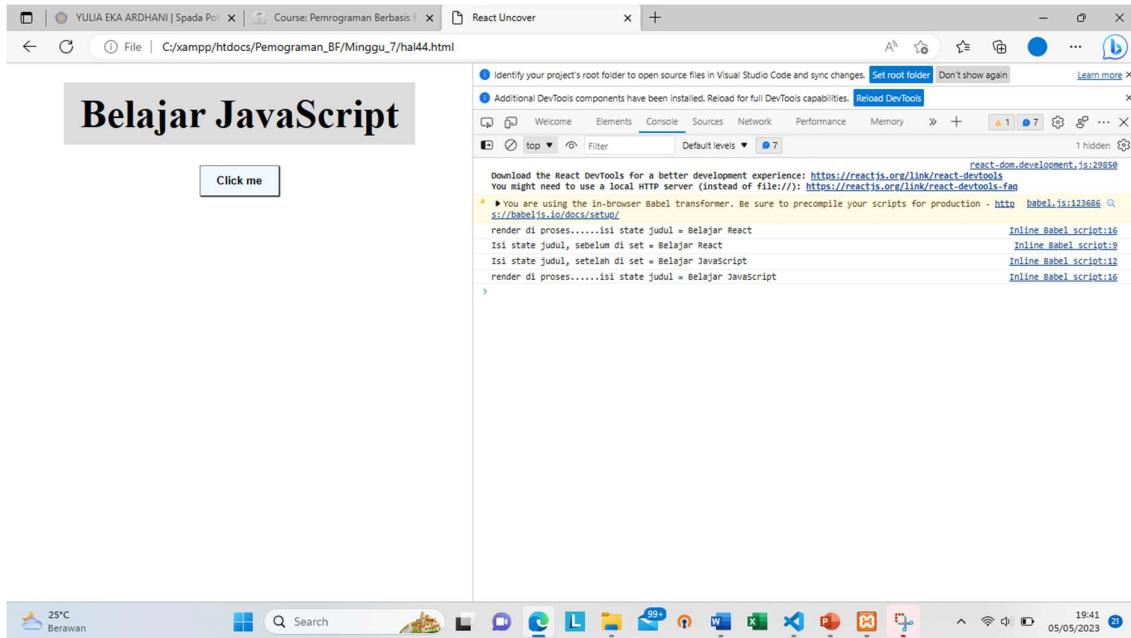
</html>

```

## Hasil



## Saat diklik



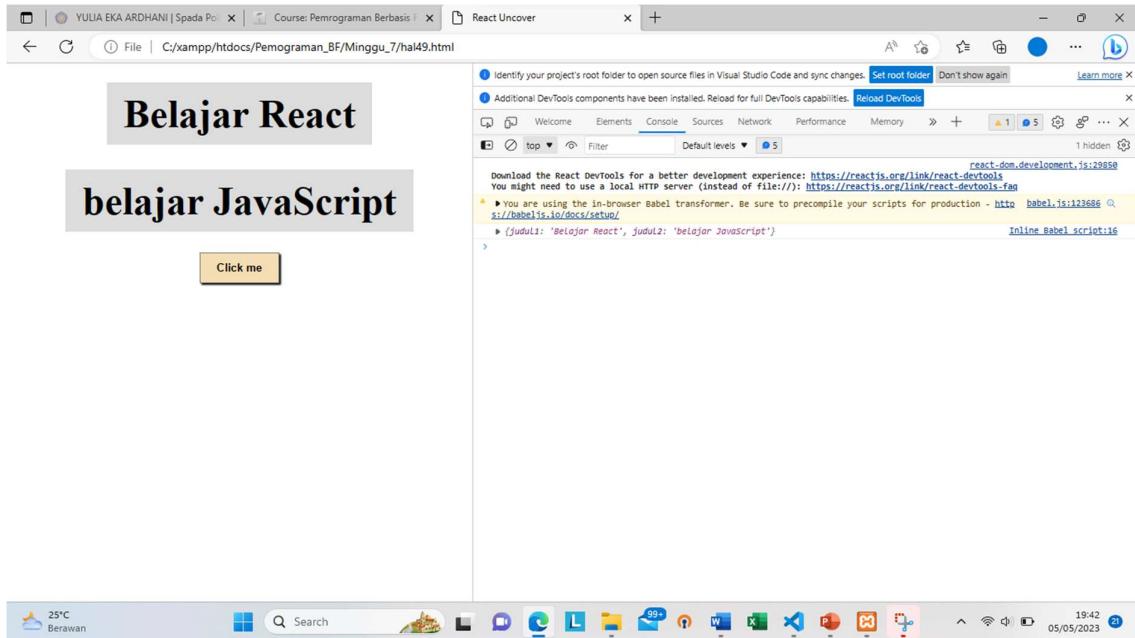
## 6. Membuat Beberapa State

```
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>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;
```

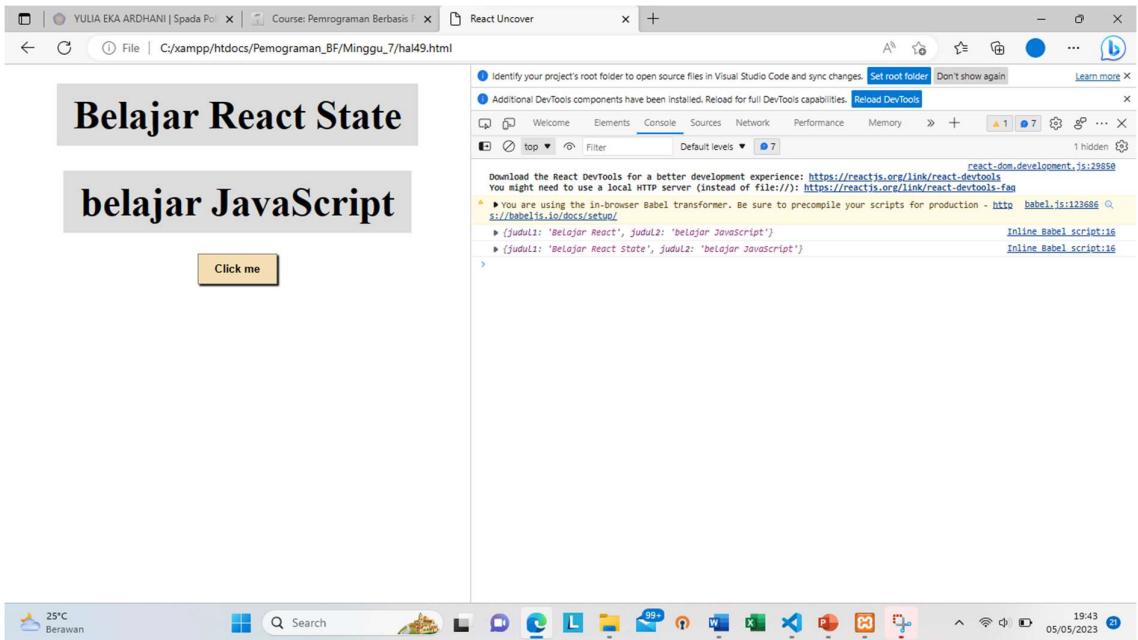
```
27.         margin: 15px 0;
28.     }
29.
30.     button {
31.         background-color: wheat;
32.         cursor: pointer;
33.         padding: 10px 20px;
34.         font-weight: bold;
35.         border: 1px solid gray;
36.         box-shadow: 2px 2px 2px black;
37.         margin: 10px;
38.     }
39.
40.     button:hover {
41.         box-shadow: 1px 1px 1px black;
42.         background-color: aliceblue;
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.         class MyApp extends React.Component {
54.             constructor(props){
55.                 super(props);
56.                 this.state = {
57.                     judul1: "Belajar React",
58.                     judul2: "belajar JavaScript",
59.                 };
60.             }
61.
62.             handleButtonClick = () => {
63.                 this.setState({judul1: "Belajar React State"})
64.             }
65.
66.             render() {
67.                 console.log(this.state);
68.                 return(
69.                     <div>
70.                         <h1>{this.state.judul1}</h1>
71.                         <h1>{this.state.judul2}</h1>
72.                         <button onClick={this.handleButtonClick}>Click
me</button>
73.                     </div>
```

```
74.          )
75.        }
76.      }
77.      ReactDOM.createRoot(document.getElementById('root')).render(<My
    App />);
78.    </script>
79.</body>
80.
81.</html>
```

## Hasil



Saat diklik



```
<!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>React Uncover</title>
    <style>
        #root {
            display: flex;
            justify-content: center;
        }

        div {
            display: flex;
            justify-content: center;
            flex-direction: column;
            align-items: center;
        }

        h1 {
            background-color: gainsboro;
            font-size: 3em;
            text-align: center;
            padding: 10px 20px;
            margin: 15px 0;
        }

        button {
            border: 1px solid black;
            border-radius: 5px;
            padding: 5px 15px;
            font-size: 1em;
            cursor: pointer;
        }
    </style>

```

```
        background-color: wheat;
        cursor: pointer;
        padding: 10px 20px;
        font-weight: bold;
        border: 1px solid gray;
        box-shadow: 2px 2px 2px black;
        margin: 10px;
    }

    button:hover {
        box-shadow: 1px 1px 1px black;
        background-color: aliceblue;
    }

```

</style>

</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 MyApp extends React.Component {
        constructor(props){
            super(props);
            this.state = {
                judul1: "Belajar React",
                judul2: "belajar JavaScript",
            };
        }

        handleButtonClick = () => {
            this.setState({
                judul1: "Belajar React State",
                judul2: "Belajar Programming",
            });
        }
    }

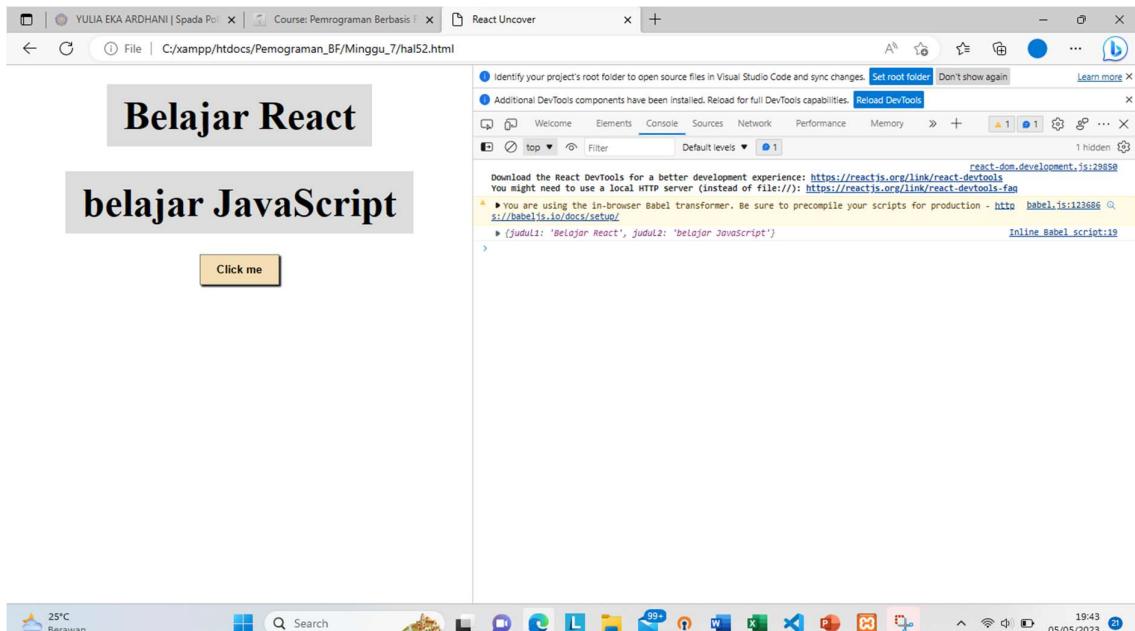
    render() {
        console.log(this.state);
        return(
            <div>
                <h1>{this.state.judul1}</h1>
                <h1>{this.state.judul2}</h1>
                <button onClick={this.handleButtonClick}>Click
me</button>
            </div>
        )
    }

```

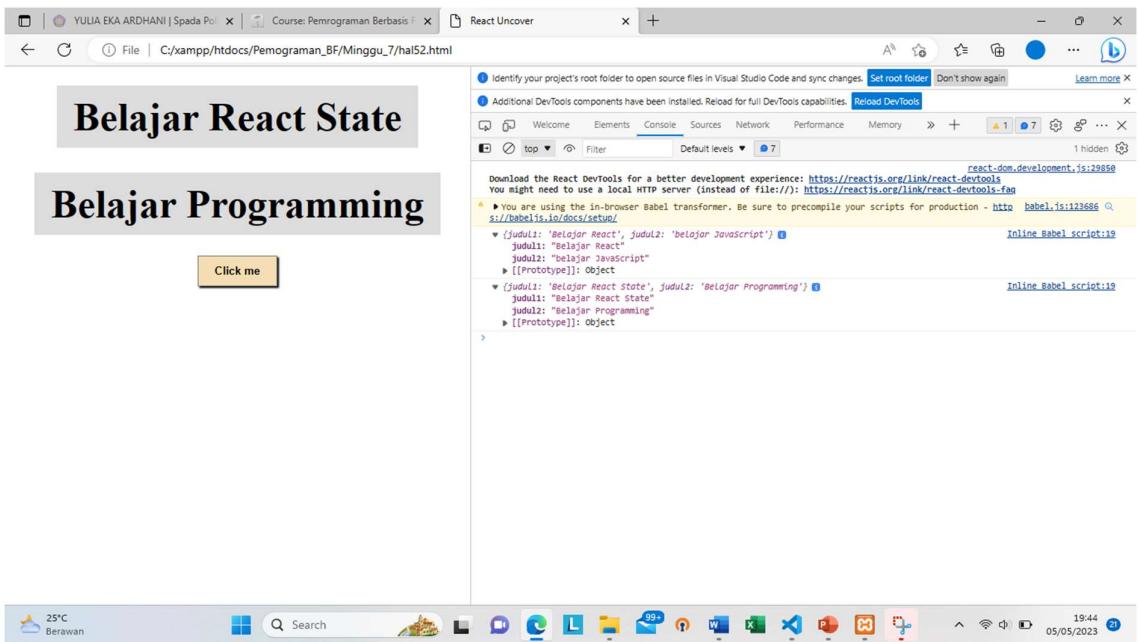
```
        }
    }
ReactDOM.createRoot(document.getElementById('root')).render(<MyApp>
/>);
</script>
</body>

</html>
```

## Hasil



## Saat diklik

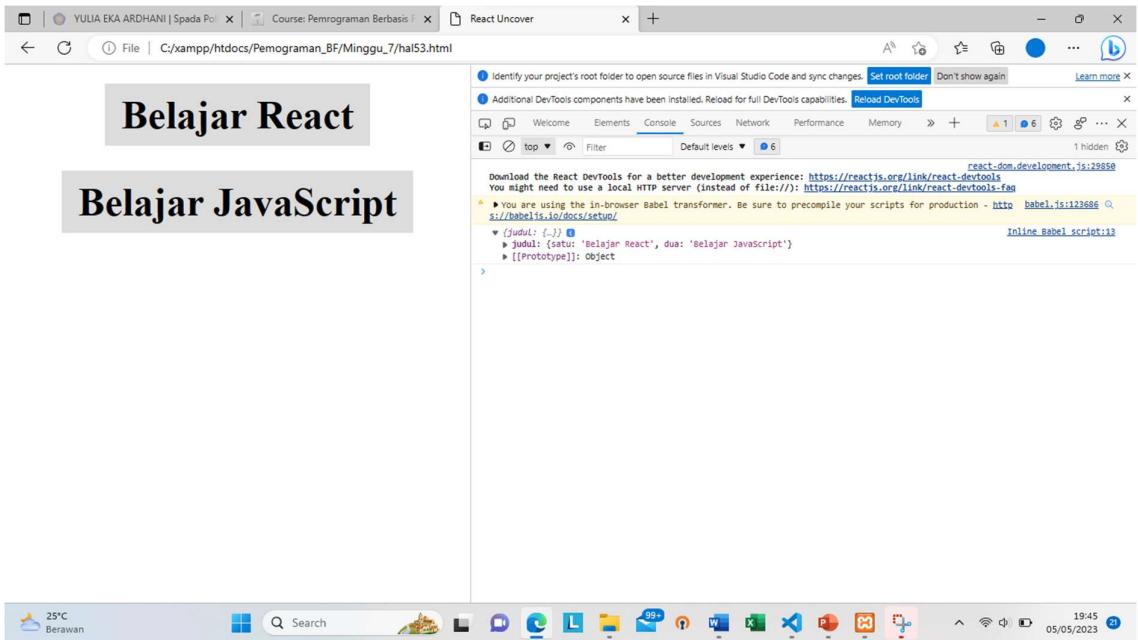


## 7. Mengisi Object Sebagai Nilai State

```
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.   <style>
9.     #root{
10.       display: flex;
11.       justify-content: center;
12.     }
13.     div{
14.       display: flex;
15.       justify-content: center;
16.       flex-direction: column;
17.       align-items: center;
18.     }
19.     h1 {
20.       background-color: gainsboro;
21.       font-size: 3em;
22.       text-align: center;
23.       padding: 10px 20px;
24.       margin: 15px 0;
25.     }
26.     button{
27.       background-color: wheat;
28.       cursor: pointer;
```

```
29.         padding: 10px 20px;
30.         font-weight: bold;
31.         border: 1px solid gray;
32.         box-shadow: 2px 2px 2px black;
33.         margin: 10px;
34.     }
35.     button:hover{
36.         box-shadow: 1px 1px 1px black;
37.         background-color: aliceblue;
38.     }
39. </style>
40.</head>
41.<body>
42.     <div id="root"></div>
43.     <script src="js/react.development.js"></script>
44.     <script src="js/react-dom.development.js"></script>
45.     <script src="js/babel.js"></script>
46.     <script type="text/babel">
47.         class MyApp extends React.Component {
48.             constructor(props){
49.                 super(props);
50.                 this.state = {
51.                     judul: {
52.                         satu: "Belajar React",
53.                         dua: "Belajar JavaScript"
54.                     }
55.                 };
56.             }
57.             render() {
58.                 console.log(this.state);
59.                 return(
60.                     <div>
61.                         <h1>{this.state.judul.satu}</h1>
62.                         <h1>{this.state.judul.dua}</h1>
63.                     </div>
64.                 )
65.             }
66.         }
67.         ReactDOM.createRoot(document.getElementById('root')).render(<My
  App />);
68.     </script>
69.     </body>
70.</html>
```

Hasil



```
<!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>React Uncover</title>
    <style>
        #root {
            display: flex;
            justify-content: center;
        }

        div {
            display: flex;
            justify-content: center;
            flex-direction: column;
            align-items: center;
        }

        h1 {
            background-color: gainsboro;
            font-size: 3em;
            text-align: center;
            padding: 10px 20px;
            margin: 15px 0;
        }

        button {
    
```

```
        background-color: wheat;
        cursor: pointer;
        padding: 10px 20px;
        font-weight: bold;
        border: 1px solid gray;
        box-shadow: 2px 2px 2px black;
        margin: 10px;
    }

    button:hover {
        box-shadow: 1px 1px 1px black;
        background-color: aliceblue;
    }

```

</style>

</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 MyApp extends React.Component {
        constructor(props){
            super(props);
            this.state = {
                judul: {
                    satu: "Belajar React",
                    dua: "Belajar JavaScript"
                }
            };
        }

        handleButtonClick = () => {
            this.setState({judul: {satu: "Belajar React State"} });
        }

        render() {
            console.log(this.state);
            return(
                <div>
                    <h1>{this.state.judul.satu}</h1>
                    <h1>{this.state.judul.dua}</h1>
                    <button onClick={this.handleButtonClick}>Click
me</button>
                </div>
            )
        }
    }

```

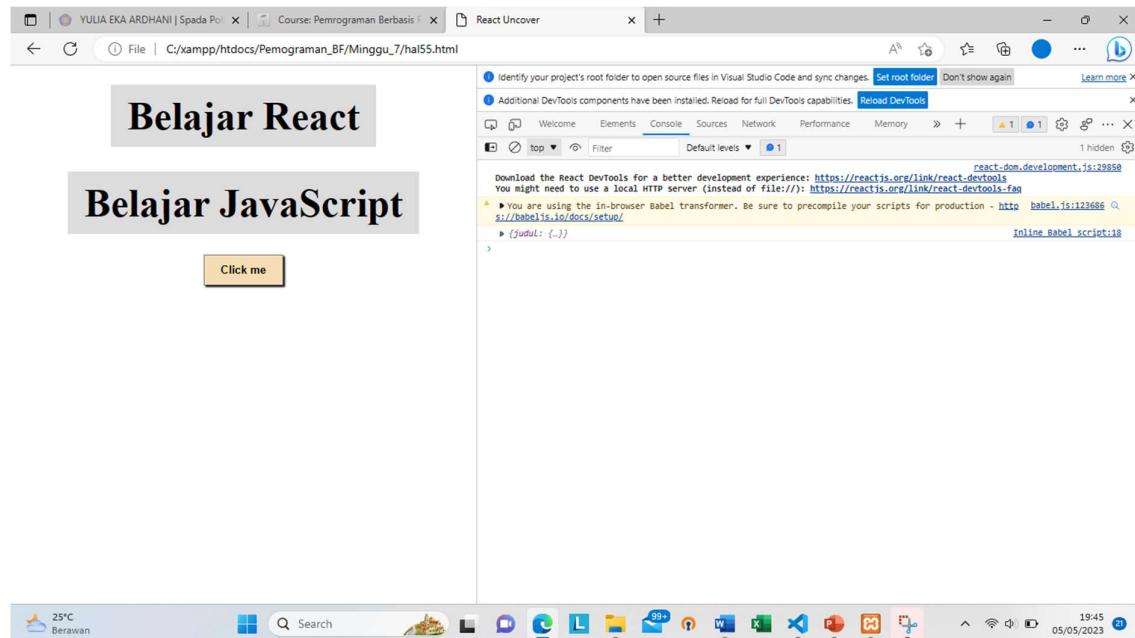
```

        }
      ReactDOM.createRoot(document.getElementById('root')).render(<MyApp
/>);
</script>
</body>

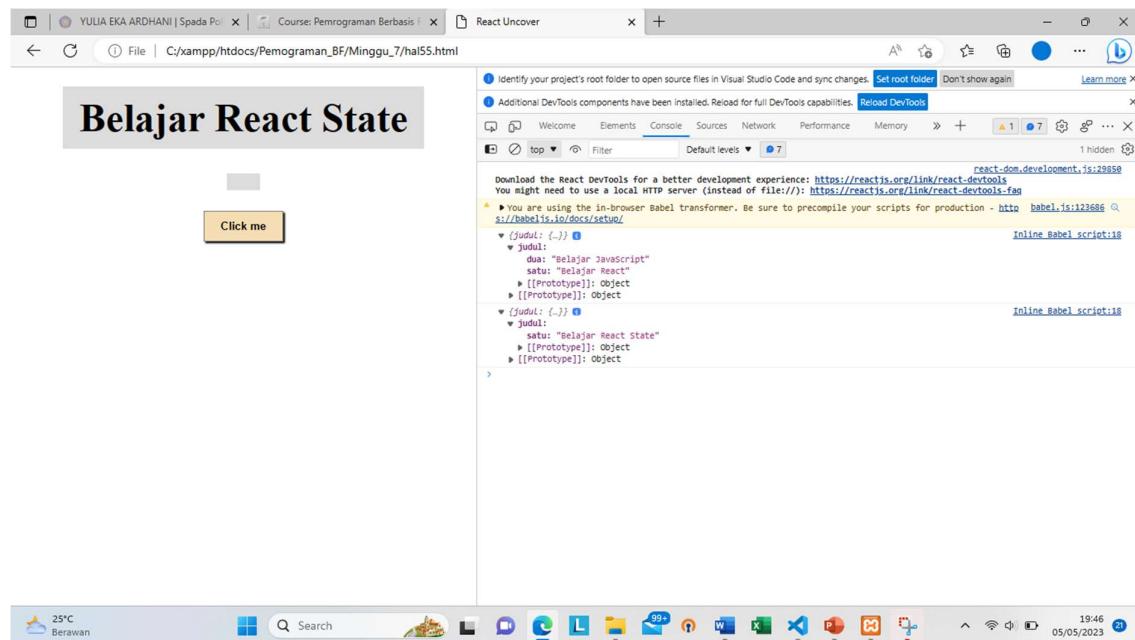
</html>

```

## Hasil



## Saat diklik

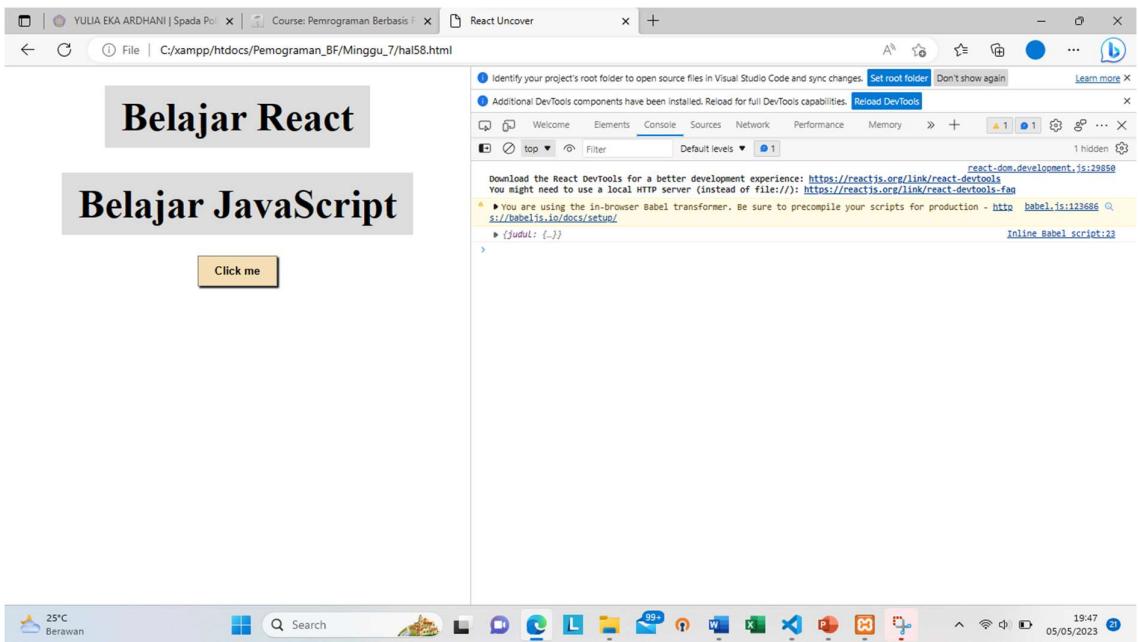


8. Mengisi Object Sebagai Nilai State (solusi pertama)

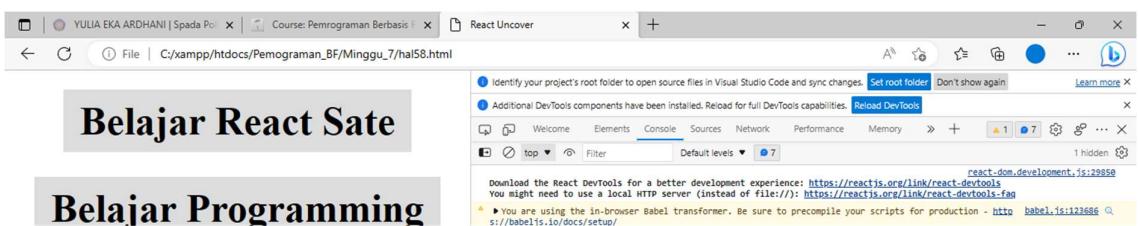
```
1. <!DOCTYPE html>
2. <html lang="en">
3.
4. <head>
5.     <meta charset="UTF-8">
6.     <meta http-equiv="X-UA-Compatible" content="IE=edge">
7.     <meta name="viewport" content="width=device-width, initial-
   scale=1.0">
8.     <title>React Uncover</title>
9.     <style>
10.    #root {
11.        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: wheat;
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: aliceblue;
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.        class MyApp extends React.Component {
54.            constructor(props){
55.                super(props);
56.                this.state = {
57.                    judul: {
58.                        satu: "Belajar React",
59.                        dua: "Belajar JavaScript"
60.                    }
61.                };
62.            }
63.
64.            handleButtonClick = () => {
65.                this.setState({
66.                    judul: {
67.                        satu: "Belajar React Sate",
68.                        dua: "Belajar Programming"
69.                    }
70.                });
71.            }
72.
73.            render() {
74.                console.log(this.state);
75.                return(
76.                    <div>
77.                        <h1>{this.state.judul.satu}</h1>
78.                        <h1>{this.state.judul.dua}</h1>
79.                        <button onClick={this.handleButtonClick}>Click
     me</button>
80.                    </div>
81.                )
82.            }
83.        }
84.        ReactDOM.createRoot(document.getElementById('root')).render(<My
     App />);
85.    </script>
86.</body>
87.
88.</html>
```

Hasil



Saat diklik



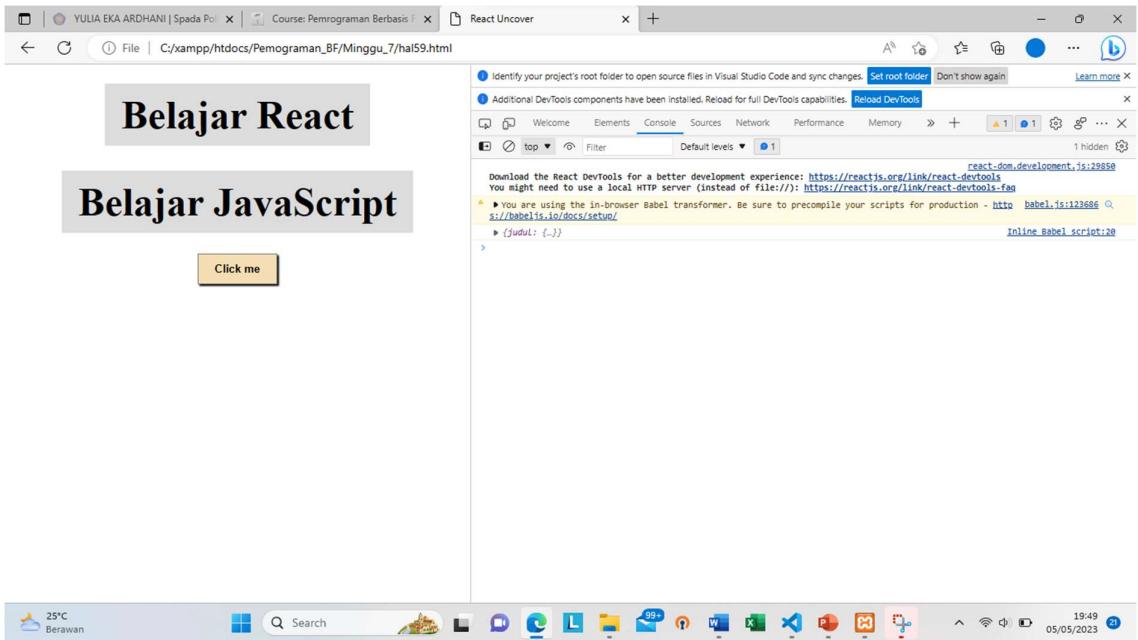
9. Mengisi Object Sebagai Nilai State (solusi kedua)

```
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>React Uncover</title>
```

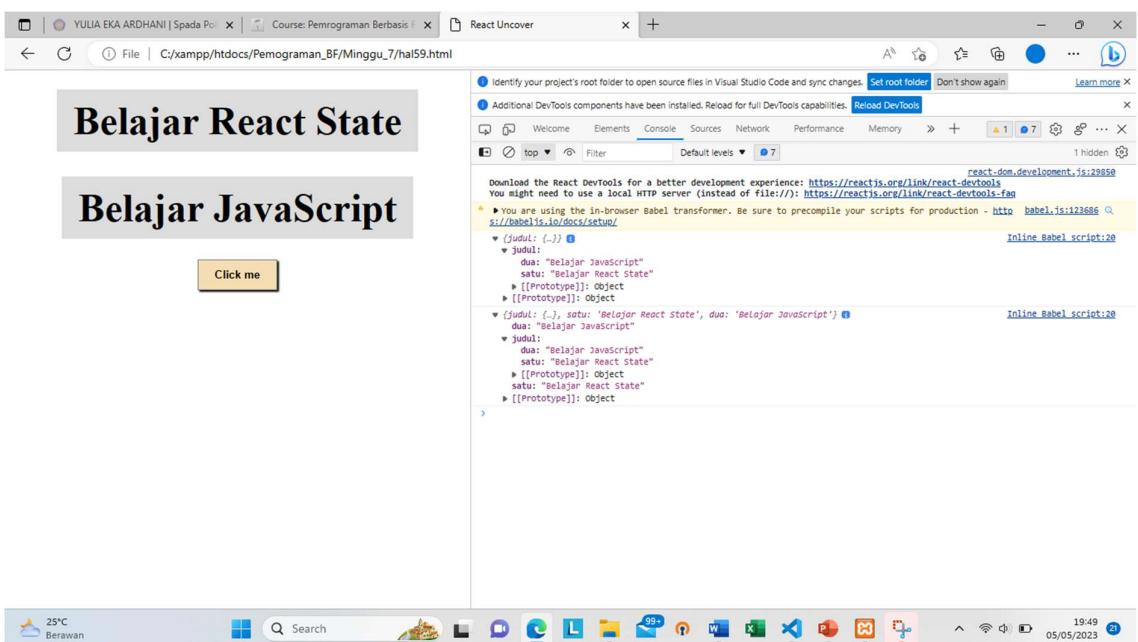
```
9.      <style>
10.     #root {
11.       display: flex;
12.       justify-content: center;
13.     }
14.
15.     div {
16.       display: flex;
17.       justify-content: center;
18.       flex-direction: column;
19.       align-items: center;
20.     }
21.
22.     h1 {
23.       background-color: gainsboro;
24.       font-size: 3em;
25.       text-align: center;
26.       padding: 10px 20px;
27.       margin: 15px 0;
28.     }
29.
30.     button {
31.       background-color: wheat;
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: aliceblue;
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.     class MyApp extends React.Component {
54.       constructor(props){
55.         super(props);
56.         this.state = {
```

```
57.          judul: {
58.              satu: "Belajar React",
59.              dua: "Belajar JavaScript"
60.          }
61.      );
62.  }
63.
64.  handleButtonClick = () => {
65.      let judulObj = this.state.judul;
66.      judulObj.satu = "Belajar React State";
67.      this.setState(judulObj);
68.  }
69.
70.  render() {
71.      console.log(this.state);
72.      return(
73.          <div>
74.              <h1>{this.state.judul.satu}</h1>
75.              <h1>{this.state.judul.dua}</h1>
76.              <button onClick={this.handleButtonClick}>Click
    me</button>
77.          </div>
78.      )
79.  }
80. }
81. ReactDOM.createRoot(document.getElementById('root')).render(<My
  App />);
82. </script>
83.</body>
84.
85.</html>
```

Hasil



Saat diklik



#### 10. Mengisi Object Sebagai Nilai State (solusi ketiga)

```

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.   <style>
```

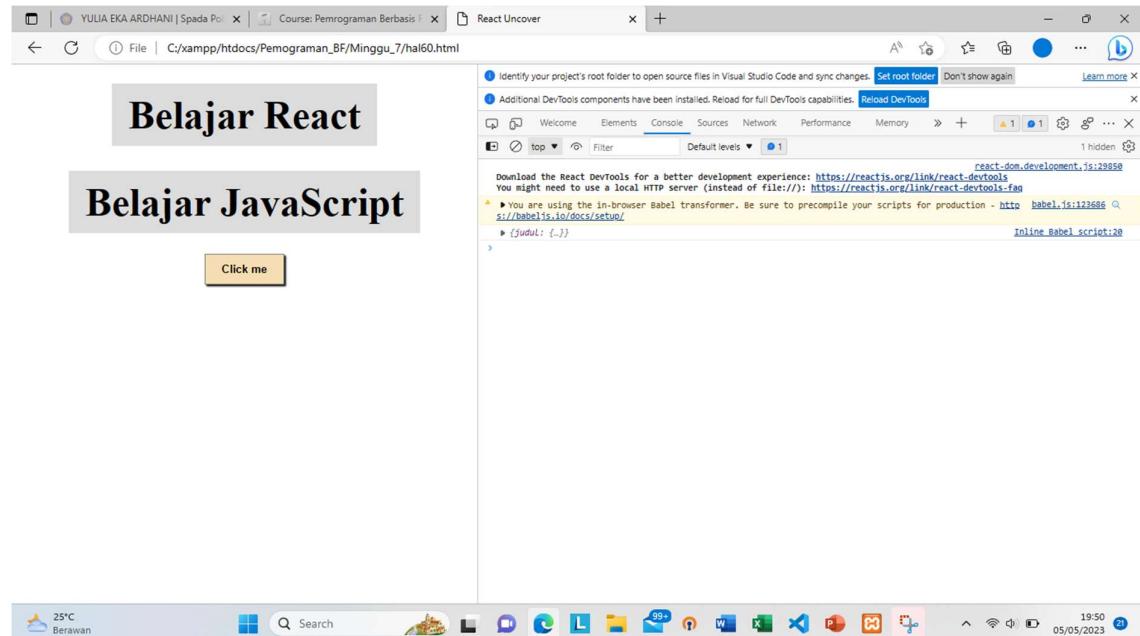
```
9.         #root{
10.             display: flex;
11.             justify-content: center;
12.         }
13.         div{
14.             display: flex;
15.             justify-content: center;
16.             flex-direction: column;
17.             align-items: center;
18.         }
19.         h1 {
20.             background-color: gainsboro;
21.             font-size: 3em;
22.             text-align: center;
23.             padding: 10px 20px;
24.             margin: 15px 0;
25.         }
26.         button{
27.             background-color: wheat;
28.             cursor: pointer;
29.             padding: 10px 20px;
30.             font-weight: bold;
31.             border: 1px solid gray;
32.             box-shadow: 2px 2px 2px black;
33.             margin: 10px;
34.         }
35.         button:hover{
36.             box-shadow: 1px 1px 1px black;
37.             background-color: aliceblue;
38.         }
39.     </style>
40.</head>
41.<body>
42.     <div id="root"></div>
43.     <script src="js/react.development.js"></script>
44.     <script src="js/react-dom.development.js"></script>
45.     <script src="js/babel.js"></script>
46.     <script type="text/babel">
47.         class MyApp extends React.Component {
48.             constructor(props){
49.                 super(props);
50.                 this.state = {
51.                     judul: {
52.                         satu: "Belajar React",
53.                         dua: "Belajar JavaScript"
54.                     }
55.                 };
56.             }
57.         }
58.     </script>
59. </body>
60.</html>
```

```

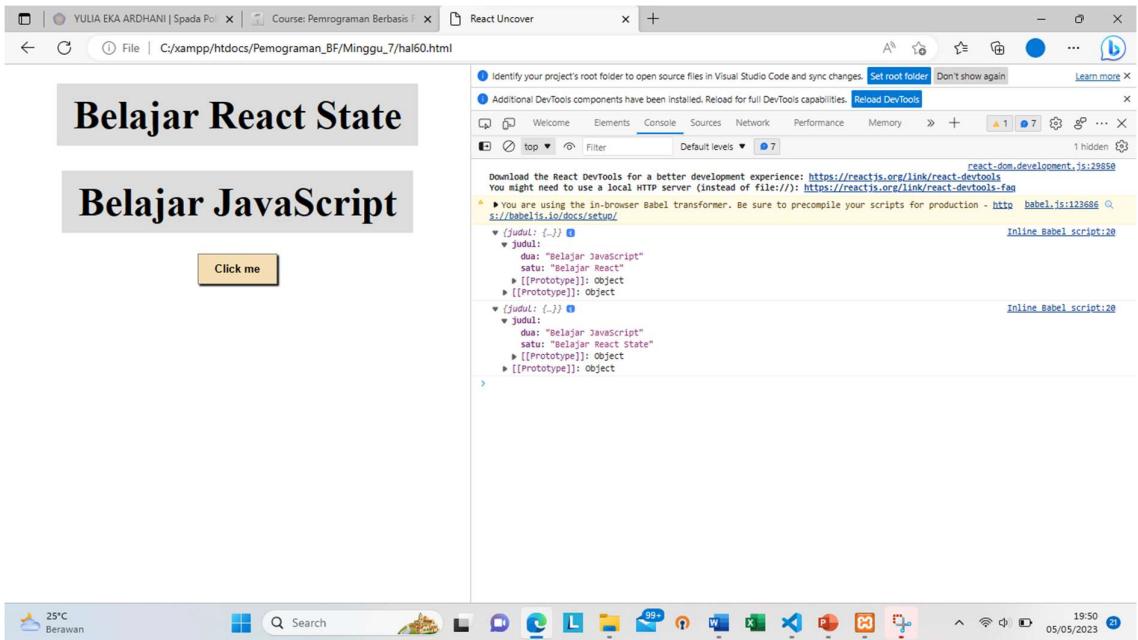
57.
58.         handleButtonClick = () => {
59.             this.setState({
60.                 judul: {... this.state.judul, satu: "Belajar React
61.                         State"}
62.             });
63.
64.         render() {
65.             console.log(this.state);
66.             return(
67.                 <div>
68.                     <h1>{this.state.judul.satu}</h1>
69.                     <h1>{this.state.judul.dua}</h1>
70.                     <button onClick={this.handleButtonClick}>Click
71.                         me</button>
72.                     )
73.                 }
74.             }
75.             ReactDOM.createRoot(document.getElementById('root')).render(<My
76.                         App />);
77.             </script>
78.             </body>
79.             </html>

```

## Hasil



Saat diklik



## 11. Mengirim Nilai State ke Child Component

```

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>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.    }

```

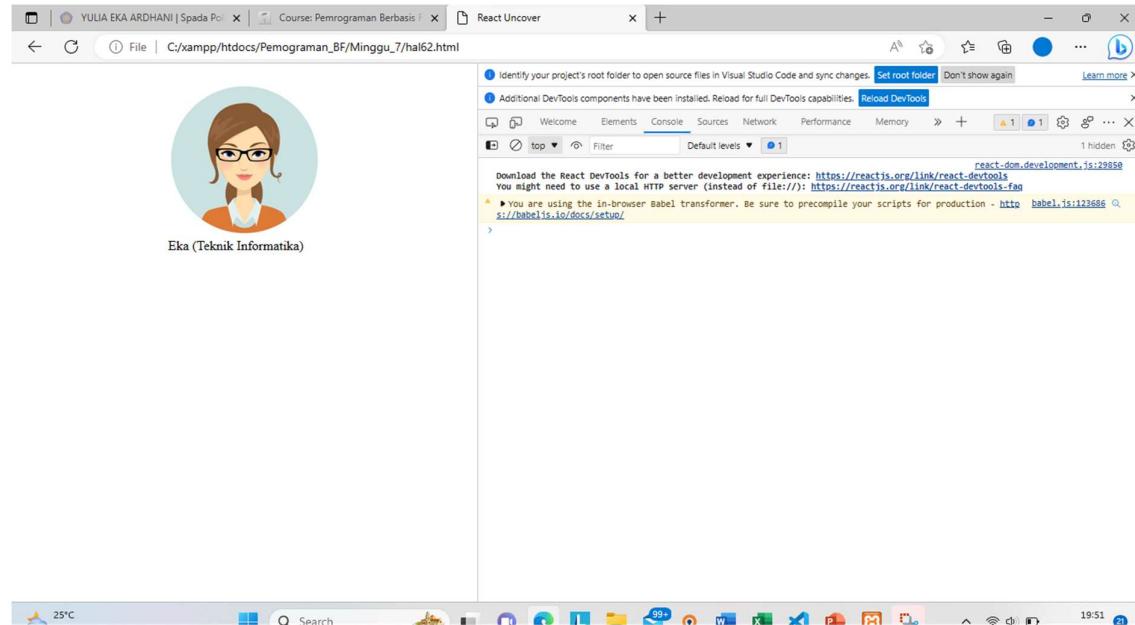
```
29.
30.    button {
31.        background-color: wheat;
32.        cursor: pointer;
33.        padding: 10px 20px;
34.        font-weight: bold;
35.        border: 1px solid gray;
36.        box-shadow: 2px 2px 2px black;
37.        margin: 10px;
38.    }
39.
40.    button:hover {
41.        box-shadow: 1px 1px 1px black;
42.        background-color: aliceblue;
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.        class Mahasiswa extends React.Component {
55.            render(){
56.                return (
57.                    <figure>
58.                        <img
59.                            src={"img/" + this.props.mahasiswa.pasFoto}
60.                            alt={this.props.mahasiswa.nama}
61.                        />
62.                        <figcaption>
63.                            {this.props.mahasiswa.nama}
64.                            ({this.props.mahasiswa.jurusan})
65.                            </figcaption>
66.                        </figure>
67.                )
68.            }
69.
70.        class MyApp extends React.Component {
71.            constructor(){
72.                super();
73.                this.state = {
74.                    nama: "Eka",
75.                    jurusan: "Teknik Informatika",
```

```

76.          pasFoto: "eka.png"
77.      );
78.  }
79.
80.
81.
82.  render() {
83.      return(
84.          <div>
85.              < Mahasiswa mahasiswa={this.state} />
86.          </div>
87.      )
88.  }
89. }
90. ReactDOM.createRoot(document.getElementById('root')).render(<My
  App />);
91. </script>
92.</body>
93.
94.</html>

```

## Hasil



## 12. Mengirim Nilai State ke Child Component

```

1. <!DOCTYPE html>
2. <html lang="en">
3. <head>
4.     <meta charset="UTF-8">
5.     <meta http-equiv="X-UA-Compatible" content="IE=edge">

```

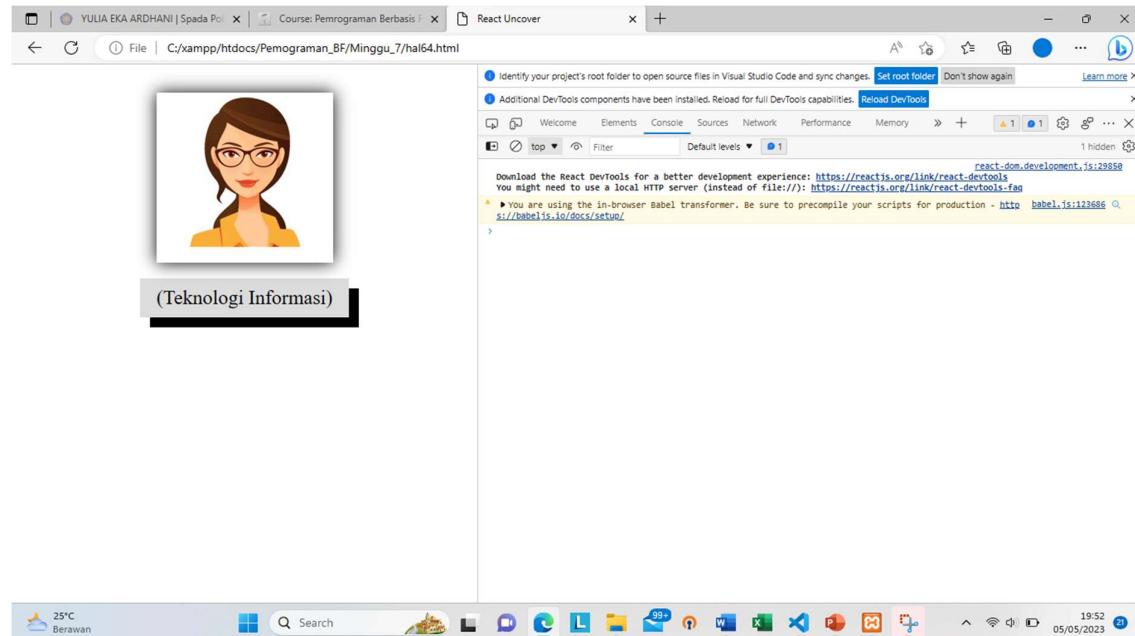
```
6.      <meta name="viewport" content="width=device-width, initial-
  scale=1.0">
7.      <title>React Uncover</title>
8.      <style>
9.          #root {
10.              display: flex;
11.              justify-content: center;
12.          }
13.
14.          div{
15.              text-align: center;
16.          }
17.
18.          img {
19.              box-shadow: 0px 0px 20px 0px black;
20.              margin-top: 10px;
21.          }
22.
23.          figcaption {
24.              text-align: center;
25.              background-color: gainsboro;
26.              font-size: 1.5em;
27.              padding: 10px 20px;
28.              margin: 15px 0px;
29.              box-shadow: 12px 12px 0px black;
30.          }
31.      </style>
32.</head>
33.<body>
34.    <div id = root></div>
35.
36.    <script src="js/react.development.js"></script>
37.    <script src="js/react-dom.development.js"></script>
38.    <script src="js/babel.js"></script>
39.    <script type="text/babel">
40.
41.        class Mahasiswa extends React.Component {
42.            render() {
43.                return (
44.                    <figure>
45.                        <img
46.                            src={"img/" +this.props.pasFoto}
47.                            alt={this.props.nama}
48.                            />
49.                        <figcaption>{this.props.nama}
50.                            ({this.props.jurusan})
51.                                </figcaption>
52.                            </figure>
```

```

52.          )
53.      }
54.  }
55.
56.  class MyApp extends React.Component {
57.  constructor() {
58.      super()
59.      this.state = {
60.          nama: "Novi",
61.          jurusan: "Teknologi Informasi",
62.          pasFoto: "novi.png"
63.      };
64.  }
65.  render() {
66.      return (
67.          <div>
68.              <Mahasiswa mahasiswa={this.state.nama}
69.                  jurusan={this.state.jurusan}
70.                  pasFoto={this.state.pasFoto}/>
71.          )
72.      }
73.  }
74.  ReactDOM.createRoot(document.getElementById('root')).render(<My
App />);
75.  </script>
76.</body>
77.</html>

```

## Hasil

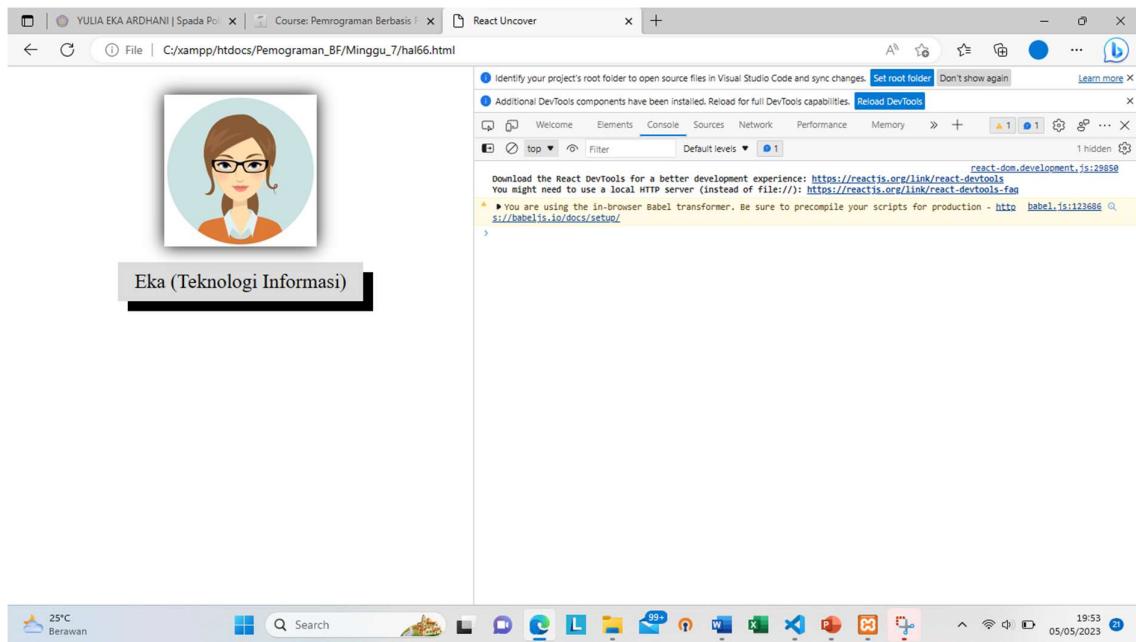


### 13. Mengirim Nilai State ke Child Component

```
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>React Uncover</title>
9.     <style>
10.        #root {
11.            display: flex;
12.            justify-content: center;
13.        }
14.
15.        div {
16.            text-align: center;
17.        }
18.
19.        img {
20.            box-shadow: 0px 0px 20px 0px black;
21.            margin-top: 10px;
22.        }
23.
24.        figcaption {
25.            text-align: center;
26.            background-color: gainsboro;
27.            font-size: 1.5em;
28.            padding: 10px 20px;
29.            margin: 15px 0px;
30.            box-shadow: 12px 12px 0px black;
31.        }
32.    </style>
33.</head>
34.
35.<body>
36.    <div id=root></div>
37.
38.    <script src="js/react.development.js"></script>
39.    <script src="js/react-dom.development.js"></script>
40.    <script src="js/babel.js"></script>
41.    <script type="text/babel">
42.
43.        class Mahasiswa extends React.Component {
44.            constructor(props){
45.                super(props);
46.                this.nama = this.props.mahasiswa.nama;
```

```
47.          this.jurusan = this.props.mahasiswa.jurusan;
48.          this.pasFoto = this.props.mahasiswa.pasFoto;
49.      }
50.      render() {
51.          return (
52.              <figure>
53.                  <img
54.                      src={"img/" +this.pasFoto}
55.                      alt={this.nama}
56.                  />
57.                  <figcaption>{this.nama} ({this.jurusan})
58.                      </figcaption>
59.                  </figure>
60.          )
61.      }
62.  }
63.
64.  class MyApp extends React.Component {
65.      constructor() {
66.          super()
67.          this.state = {
68.              nama: "Eka",
69.              jurusan: "Teknologi Informasi",
70.              pasFoto: "eka.png"
71.          };
72.      }
73.      render() {
74.          return (
75.              <div>
76.                  <Mahasiswa mahasiswa={this.state}/>
77.              </div>
78.          )
79.      }
80.  }
81.  ReactDOM.createRoot(document.getElementById('root')).render(<My
App />);
82.  </script>
83.</body>
84.
85.</html>
```

Hasil



#### 14. MINI Project React State

```
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>React Uncover - Salwa</title>
9.   <style>
10.    #root {
11.      display: flex;
12.      justify-content: center;
13.    }
14.
15.    div {
16.      text-align: center;
17.    }
18.
19.    button {
20.      background-color: white;
21.      cursor: pointer;
22.      padding: 10px 20px;
23.      font-weight: bold;
24.      border: 1px solid gray;
25.      box-shadow: 2px 2px 2px black;
26.      margin: 10px;
27.    }
28.
```

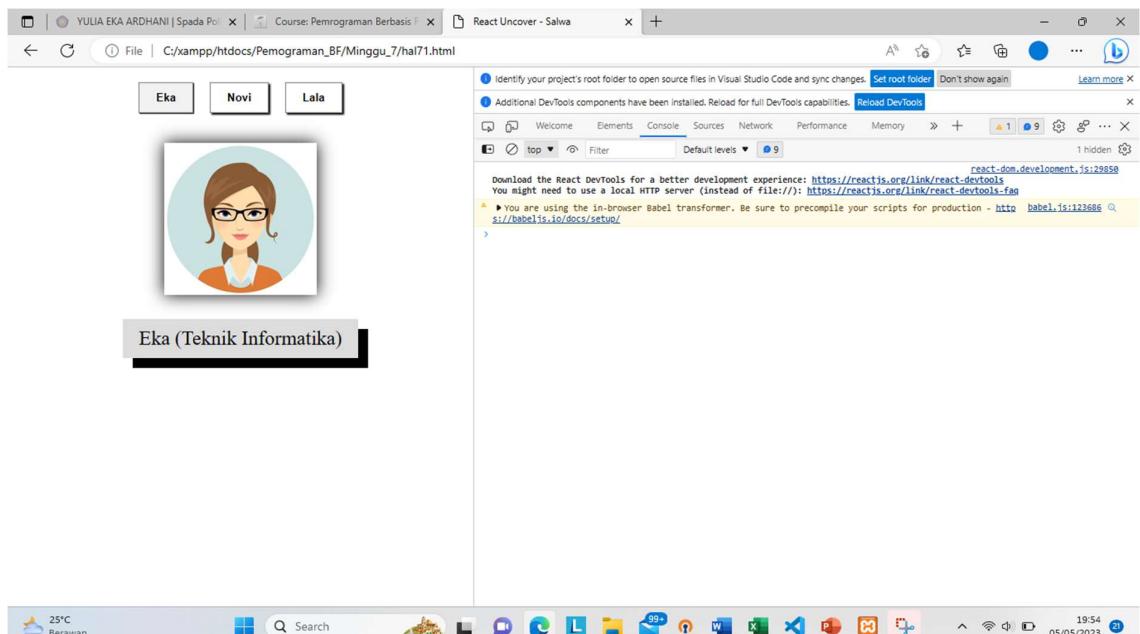
```
29.     button:hover {
30.         box-shadow: 1px 1px 1px black;
31.         background-color: #f1f1f1;
32.     }
33.
34.     img {
35.         box-shadow: 0px 0px 20px 0px black;
36.         margin: 10px;
37.     }
38.
39.     figcaption {
40.         text-align: center;
41.         background-color: gainsboro;
42.         font-size: 1.5em;
43.         padding: 10px 20px;
44.         margin: 15px 0;
45.         box-shadow: 12px 12px 0px black;
46.     }
47. </style>
48.</head>
49.
50.<body>
51. <div id="root"></div>
52.
53. <script src="js/react.development.js"></script>
54. <script src="js/react-dom.development.js"></script>
55. <script src="js/babel.js"></script>
56. <script type="text/babel">
57.
58.     const mahasiswa = [
59.         {
60.             id:"01",
61.             nama:"Eka",
62.             jurusan:"Teknik Informatika",
63.             pasFoto:"eka.png",
64.         },
65.             {
66.                 id:"02",
67.                 nama:"Novi",
68.                 jurusan:"Sistem Informasi",
69.                 pasFoto:"novi.png",
70.             },
71.                 {
72.                     id:"03",
73.                     nama:"Lala",
74.                     jurusan:"Teknik Elektro",
75.                     pasFoto:"lala.png",
76.                 }
```

```
77.      ];
78.
79.      class MyApp extends React.Component {
80.          constructor() {
81.              super();
82.              this.state = {
83.                  nama: mahasiswa[0].nama,
84.                  jurusan: mahasiswa[0].jurusan,
85.                  pasFoto: mahasiswa[0].pasFoto,
86.              };
87.          }
88.
89.          handleMahasiswaClick = (event) => {
90.              let index = parseInt(event.target.getAttribute('index'));
91.              this.setState({
92.                  nama: mahasiswa[index].nama,
93.                  jurusan: mahasiswa[index].jurusan,
94.                  pasFoto: mahasiswa[index].pasFoto,
95.              });
96.          }
97.          render() {
98.              return(
99.                  <div>
100.                      {
101.                          mahasiswa.map((mahasiswa, i) =>
102.                              <button
103.                                  key = {mahasiswa.id}
104.                                  onClick = {this.handleMahasiswaClick}
105.                                  index = {i}>
106.                                      {mahasiswa.nama}
107.                                  </button>
108.                              )
109.                          }
110.                          <figure>
111.                              <img src={"img/" + this.state.pasFoto}
112.                                  alt={this.state.nama}/>
113.                                  <figcaption>{this.state.nama}
114.                                  ({this.state.jurusan})</figcaption>
115.                                  </figure>
116.                          )
117.                      }
118.
119.          ReactDOM.createRoot(document.getElementById("root")).render
120.              (<MyApp />);
121.          </script>
122.      </body>
```

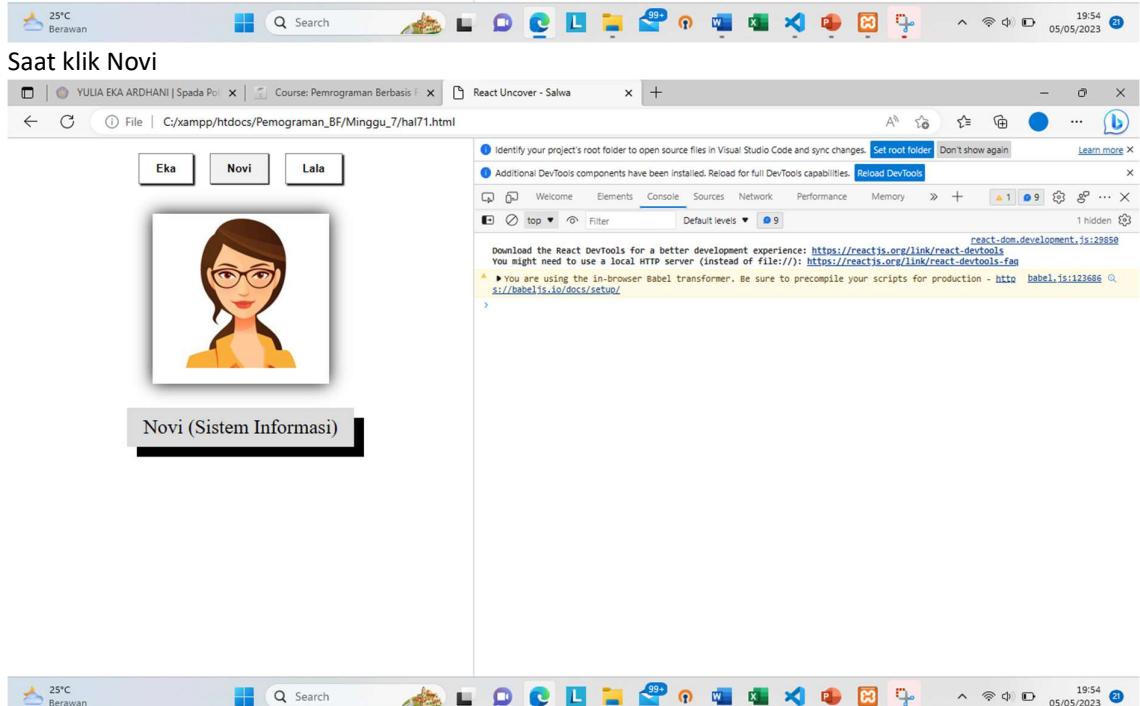
```
122.  
123.    </html>
```

## Hasil

### 1. Saat klik Eka



### 2. Saat klik Novi



### 3. Saat klik Lala

