

TUGAS INDIVIDU
PEMROGRAMAN BERBASIS FRAMEWORK
PERTEMUAN 6



Disusun oleh:

Rijal Ammar Irsyadul Ibad

TI-3B/2041720184

D4 TEKNIK INFORMATIKA
TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG

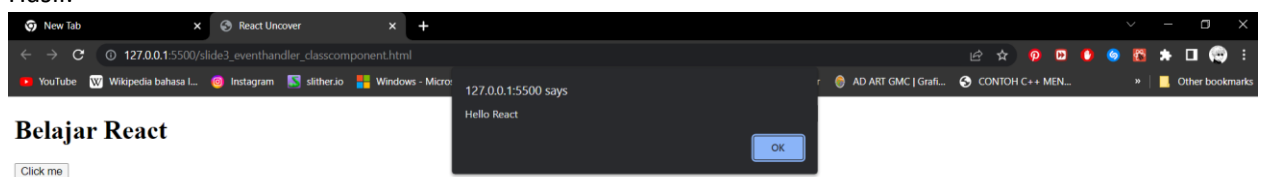
2023

1. Event Handler di Class Component Percobaan 1

Code:

```
1  <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2  <!DOCTYPE html>
3  <html lang="en">
4
5  <head>
6    <meta charset="UTF-8">
7    <meta name="viewport" content="width=device-width, initial-scale=1.0">
8    <title>React Uncover</title>
9  </head>
10
11 <body>
12   <div id="root"></div>
13
14   <script src="js/react.development.js"></script>
15   <script src="js/react-dom.development.js"></script>
16   <script src="js/babel.js"></script>
17   <script type="text/babel">
18
19     class MyApp extends React.Component {
20       render() {
21         return (
22           <div>
23             <h1>Belajar React</h1>
24             <button onClick={() => alert("Hello React")}>Click me</button>
25           </div>
26         )
27       }
28     }
29
30     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
31   </script>
32 </body>
33
34 </html>
```

Hasil:

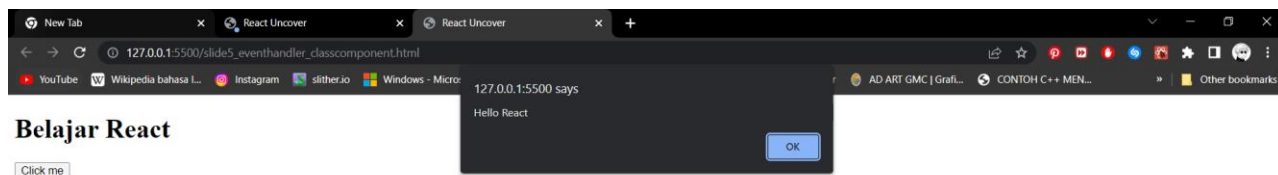


2. Event Handler di Class Component Percobaan 2

Code:

```
1  <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2  <!DOCTYPE html>
3  <html lang="en">
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  </head>
10 <body>
11   <div id="root"></div>
12   <script src="js/react.development.js"></script>
13   <script src="js/react-dom.development.js"></script>
14   <script src="js/babel.js"></script>
15   <script type="text/babel">
16
17     class MyApp extends React.Component{
18
19       handleClick() {
20         alert("Hello React");
21       }
22
23       render() {
24         return (
25           <div>
26             <h1>Belajar React</h1>
27             <button onClick={this.handleClick}>Click me</button>
28           </div>
29         )
30       }
31     }
32
33     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
34   </script>
35 </body>
36 </html>
```

Hasil:

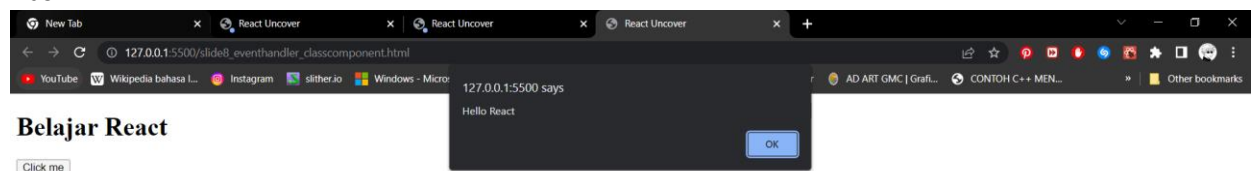


3. Event Handler di Class Component Percobaan 3

Code:

```
1  <!-- Rijal Ammar Insyadul Ibad / TI3A / 15 / 2041720184 -->
2  <!DOCTYPE html>
3  <html lang="en">
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  </head>
10 <body>
11   <div id="root"></div>
12   <script src="js/react.development.js"></script>
13   <script src="js/react-dom.development.js"></script>
14   <script src="js/babel.js"></script>
15   <script type="text/babel">
16
17     class Tombol extends React.Component {
18       handleButtonClick(){
19         alert("Hello React");
20       }
21
22       render(){
23         return <button onClick={this.handleButtonClick}>Click me</button>
24       }
25     }
26
27     class MyApp extends React.Component {
28       render(){
29         return(
30           <div>
31             <h1>Belajar React</h1>
32             <Tombol />
33           </div>
34         )
35       }
36     }
37
38     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
39   </script>
40 </body>
41 </html>
```

Hasil:

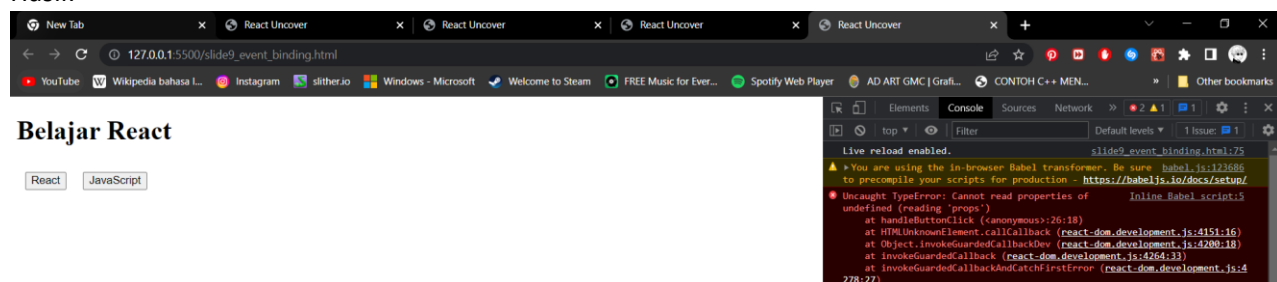


4. Event Binding Percobaan 1

Code:

```
1  <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2  <!DOCTYPE html>
3  <html lang="en">
4
5  <head>
6    <meta charset="UTF-8">
7    <meta http-equiv="X-UA-Compatible" content="IE=edge">
8    <meta name="viewport" content="width=device-width, initial-scale=1.0">
9    <title>React Uncover</title>
10 </head>
11
12 <body>
13   <div id="root"></div>
14   <script src="js/react.development.js"></script>
15   <script src="js/react-dom.development.js"></script>
16   <script src="js/babel.js"></script>
17   <script type="text/babel">
18
19     class Tombol extends React.Component {
20       handleClick() {
21         alert(this.props.pesan); // ini akan error
22       }
23
24       render() {
25         return (
26           <button onClick={this.handleClick} style={{ margin: "10px" }}>
27             {this.props.children}
28           </button>
29         )
30       }
31     }
32
33     class MyApp extends React.Component {
34       render() {
35         return (
36           <div>
37             <h1>Belajar React</h1>
38             <Tombol pesan="Belajar React">React</Tombol>
39             <Tombol pesan="Belajar JavaScript">JavaScript</Tombol>
40           </div>
41         )
42       }
43     }
44
45     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
46   </script>
47 </body>
48
49 </html>
```

Hasil:

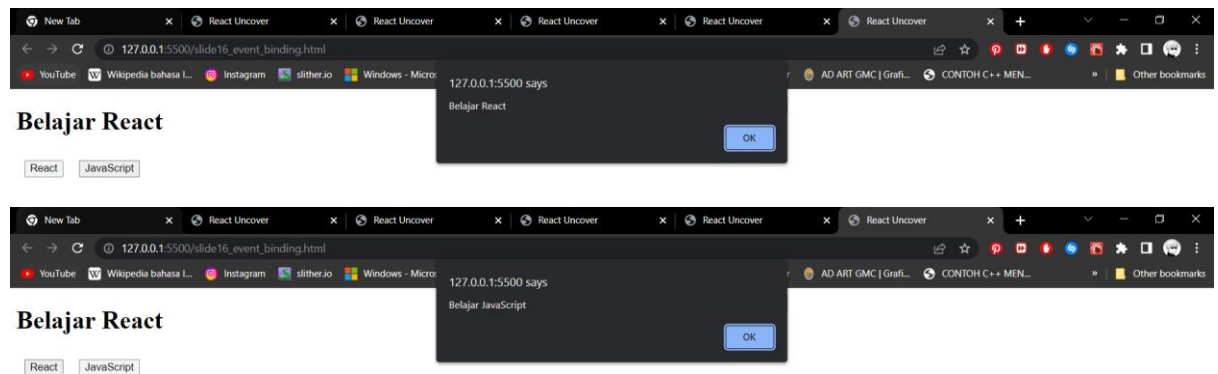


5. Event Binding Percobaan 2

Code:

```
1 <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2 <!DOCTYPE html>
3 <html lang="en">
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 </head>
10 <body>
11   <div id="root"></div>
12   <script src="js/react.development.js"></script>
13   <script src="js/react-dom.development.js"></script>
14   <script src="js/babel.js"></script>
15   <script type="text/babel">
16
17     class Tombol extends React.Component {
18       handleButtonClick(){
19         alert(this.props.pesan);
20       }
21
22       render(){
23         return (
24           // kurang disarankan karena fungsi ini akan terus dibuat setiap kali proses render
25           <button onClick={this.handleButtonClick.bind(this)} style={{margin: "10px"}}>
26             {this.props.children}
27           </button>
28         )
29       }
30     }
31
32     class MyApp extends React.Component {
33       render(){
34         return(
35           <div>
36             <h1>Belajar React</h1>
37             <Tombol pesan="Belajar React">React</Tombol>
38             <Tombol pesan="Belajar JavaScript">JavaScript</Tombol>
39           </div>
40         )
41       }
42     }
43
44     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
45   </script>
46 </body>
47 </html>
```

Hasil:

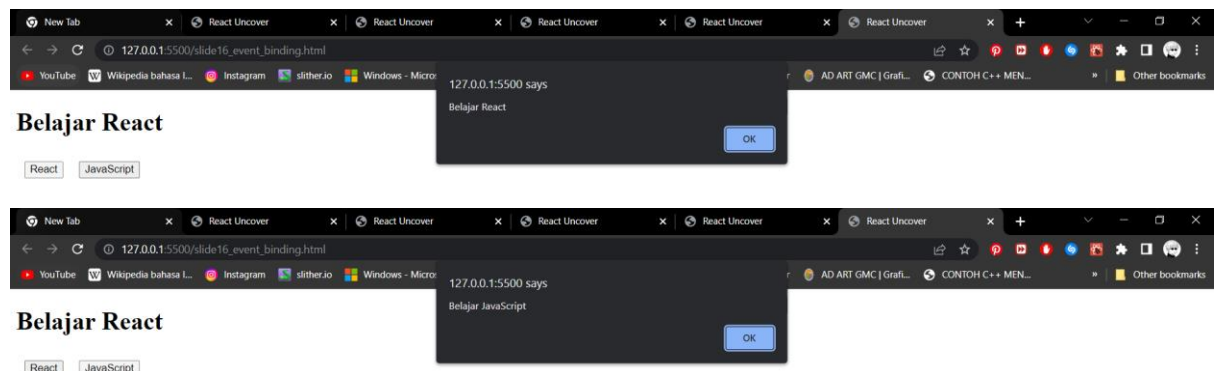


6. Event Binding Percobaan 3

Code:

```
1 <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2 <!DOCTYPE html>
3 <html lang="en">
4
5 <head>
6   <meta charset="UTF-8">
7   <meta http-equiv="X-UA-Compatible" content="IE=edge">
8   <meta name="viewport" content="width=device-width, initial-scale=1.0">
9   <title>React Uncover</title>
10 </head>
11
12 <body>
13   <div id="root"></div>
14   <script src="js/react.development.js"></script>
15   <script src="js/react-dom.development.js"></script>
16   <script src="js/babel.js"></script>
17   <script type="text/babel">
18
19     class Tombol extends React.Component {
20       constructor() {
21         super(); // tidak perlu props karena kita tidak perlu pakai props disin. tapi jika ingin ditulis juga silahkan
22         this.handleClick = this.handleClick.bind(this);
23       }
24
25       handleClick() {
26         alert(this.props.pesan);
27       }
28
29       render() {
30         return (
31           <button onClick={this.handleClick} style={{ margin: "10px" }}>
32             {this.props.children}
33           </button>
34         )
35       }
36     }
37
38     class MyApp extends React.Component {
39       render() {
40         return (
41           <div>
42             <h1>Belajar React</h1>
43             <Tombol pesan="Belajar React">React</Tombol>
44             <Tombol pesan="Belajar JavaScript">JavaScript</Tombol>
45           </div>
46         )
47       }
48     }
49
50     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
51   </script>
52 </body>
53
54 </html>
```

Hasil:

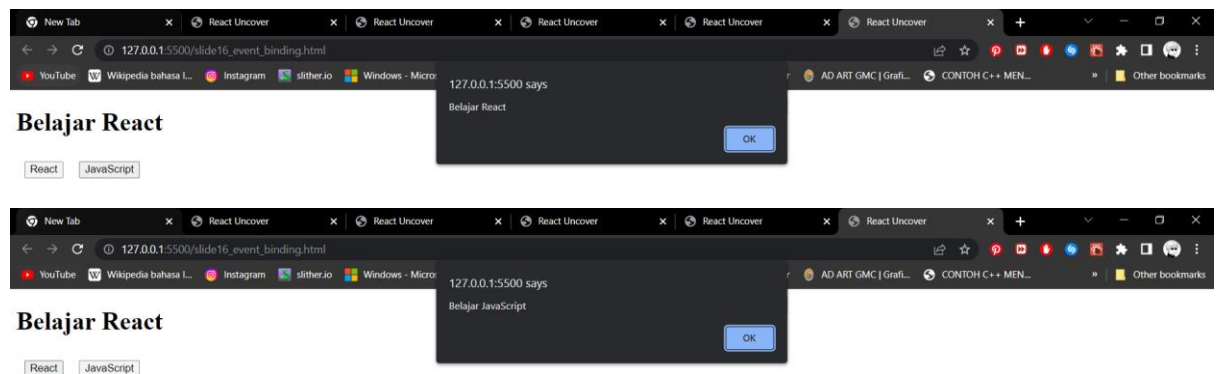


7. Event Binding Percobaan 4

Code:

```
1  <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2  <!DOCTYPE html>
3  <html lang="en">
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  </head>
10 <body>
11   <div id="root"></div>
12   <script src="js/react.development.js"></script>
13   <script src="js/react-dom.development.js"></script>
14   <script src="js/babel.js"></script>
15   <script type="text/babel">
16
17     class Tombol extends React.Component {
18       // Class Properties (Stage 3 Proposal), buat menggunakan arrow function
19       handleClick = () => {
20         alert(this.props.pesan);
21       }
22
23       render(){
24         return (
25           <button onClick={this.handleClick} style={{margin: "10px"}}>
26             {this.props.children}
27           </button>
28         )
29       }
30     }
31
32     class MyApp extends React.Component {
33       render(){
34         return(
35           <div>
36             <h1>Belajar React</h1>
37             <Tombol pesan="Belajar React">React</Tombol>
38             <Tombol pesan="Belajar JavaScript">JavaScript</Tombol>
39           </div>
40         )
41       }
42     }
43
44     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
45   </script>
46 </body>
47 </html>
```

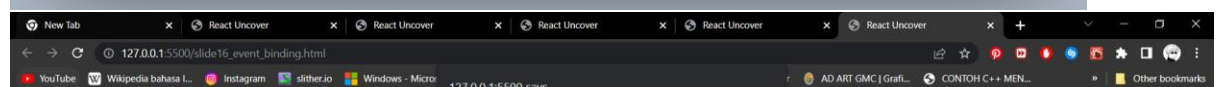
Hasil:



8. Event Binding Percobaan 5

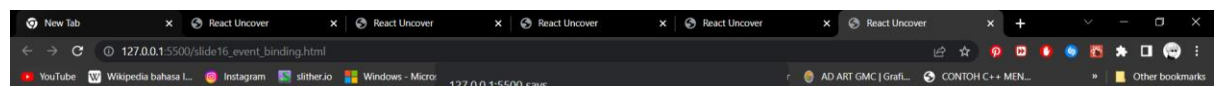
Code:

```
1 <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2 <!DOCTYPE html>
3 <html lang="en">
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <title>Document</title>
9 </head>
10 <body>
11   <div id="root"></div>
12   <script src="../js/react.development.js"></script>
13   <script src="../js/react-dom.development.js"></script>
14   <script src="../js/babel.js"></script>
15   <script type="text/babel">
16
17     class Tombol extends React.Component {
18
19       handleClick () {
20         alert(this.props.pesan)
21       }
22
23       render () {
24         // Kurang disarankan karena fungsi ini akan terus dibuat setiap ada render
25         return (
26           <button onClick={() => this.handleClick()} style={{ margin: "10px" }}>
27             {this.props.children}</button>
28           )
29       }
30     }
31
32     class MyApp extends React.Component {
33       render () {
34         return (
35           <div>
36             <h1>Belajar React</h1>
37             <Tombol pesan="Belajar React">React</Tombol>
38             <Tombol pesan="Belajar JavaScript">JavaScript</Tombol>
39           </div>
40         )
41       }
42     }
43
44     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />)
45   </script>
46 </body>
47 </html>
```



Belajar React

React JavaScript



Belajar React

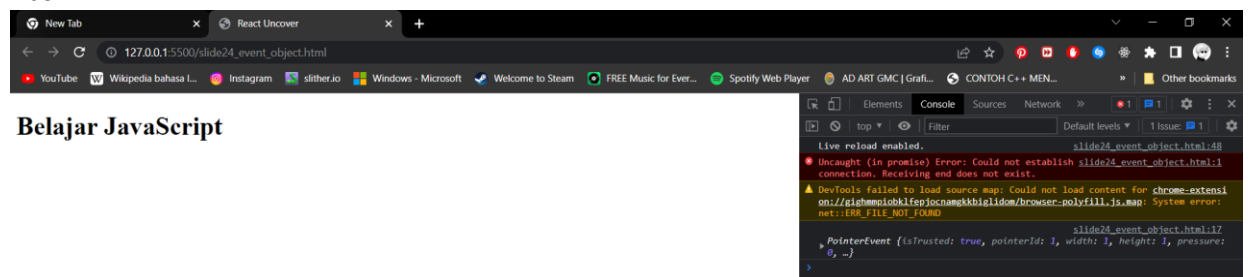
React JavaScript

9. Event Object Percobaan 1

Code:

```
1 <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2 <!DOCTYPE html>
3 <html lang="en">
4
5 <head>
6   <meta charset="UTF-8">
7   <meta http-equiv="X-UA-Compatible" content="IE=edge">
8   <meta name="viewport" content="width=device-width, initial-scale=1.0">
9   <title>React Uncover</title>
10 </head>
11
12 <body>
13   <h1 id="Judul">Belajar JavaScript</h1>
14   <script>
15     var h1Node = document.getElementById("Judul");
16     h1Node.addEventListener("click", function (event) {
17       console.log(event);
18     });
19   </script>
20 </body>
21
22 </html>
```

Hasil:

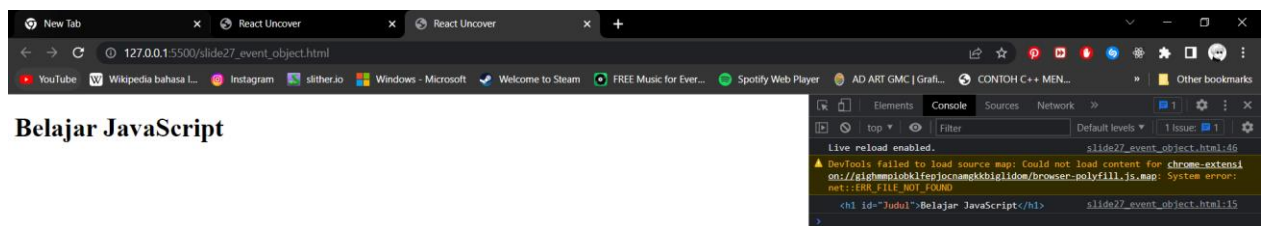


10. Event Object Percobaan 2

Code:

```
1 <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2 <!DOCTYPE html>
3 <html lang="en">
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 </head>
10 <body>
11   <h1 id="Judul">Belajar JavaScript</h1>
12   <script>
13     var h1Node = document.getElementById("Judul");
14     h1Node.addEventListener("click", function (event) {
15       console.log(event.target);
16     });
17   </script>
18 </body>
19 </html>
```

Hasil:



11. Event Object Percobaan 2

Code:

```
1 <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2 <!DOCTYPE html>
3 <html lang="en">
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 </head>
10 <body>
11   <div id="root"></div>
12   <script src="js/react.development.js"></script>
13   <script src="js/react-dom.development.js"></script>
14   <script src="js/babel.js"></script>
15   <script type="text/babel">
16
17     class Tombol extends React.Component {
18       handleClick = (event) => {
19         console.log(event);           // event object
20         console.log(event.target);    // node object tempat event terjadi
21         console.log(event.target.innerHTML); // ambil isi HTML dari node object. Untuk form, biasanya ambil nilai value
22       }
23
24       render(){
25         return (
26           <button onClick={this.handleClick} style={{margin: "10px"}}>
27             {this.props.children}
28           </button>
29         )
30       }
31     }
32
33     class MyApp extends React.Component {
34       render(){
35         return(
36           <div>
37             <h1>Belajar React</h1>
38             <Tombol pesan="Belajar React">React</Tombol>
39             <Tombol pesan="Belajar JavaScript">JavaScript</Tombol>
40           </div>
41         )
42       }
43     }
44
45     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
46   </script>
47 </body>
48 </html>
```

Hasil:

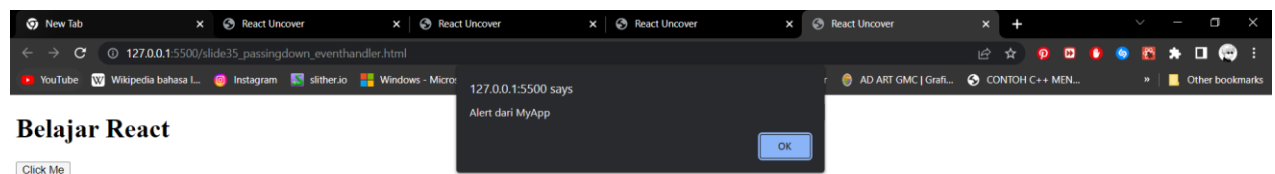
The screenshot shows a web browser with the URL `127.0.0.1:5500/slide29_event_object.html`. The page displays the text "Belajar React" and two buttons: "React" and "JavaScript". The "React" button is highlighted. The browser's developer tools are open, showing the console with a log of the event object when the "React" button is clicked. The log shows a SyntheticBaseEvent object with target and innerHTML properties.

12. Menurunkan (Passing Down) Event Handler

Code:

```
1  <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2  <!DOCTYPE html>
3  <html lang="en">
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  </head>
10 <body>
11   <div id="root"></div>
12   <script src="js/react.development.js"></script>
13   <script src="js/react-dom.development.js"></script>
14   <script src="js/babel.js"></script>
15   <script type="text/babel">
16
17     class Tombol extends React.Component {
18       render() {
19         return (
20           <button onClick={this.props.onTombolClick}>Click Me</button>
21         )
22       }
23     }
24
25     class MyApp extends React.Component {
26       handleClick = () => {
27         alert("Alert dari MyApp");
28       }
29
30       render() {
31         return (
32           <div>
33             <h1>Belajar React</h1>
34             <Tombol onTombolClick={this.handleClick} />
35           </div>
36         )
37       }
38     }
39
40     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
41   </script>
42 </body>
43 </html>
```

Hasil:

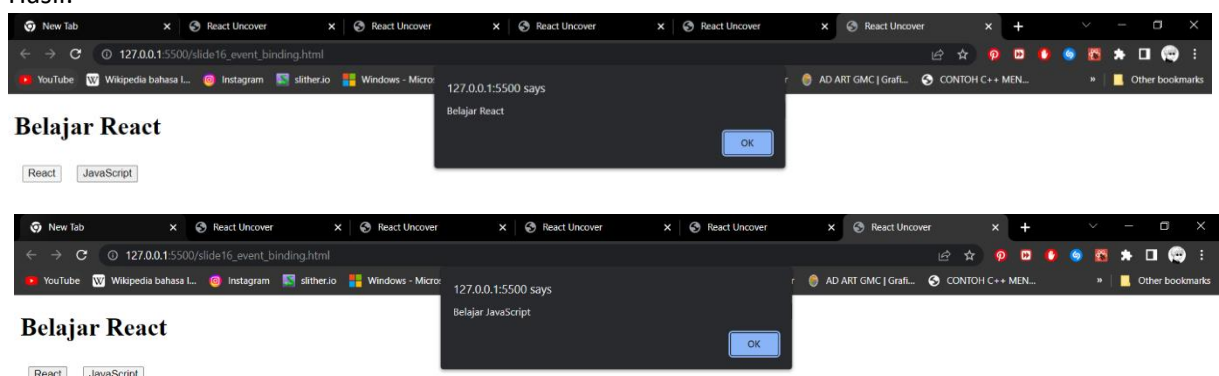


13. Menurunkan (Passing Down) Event Handler

Code:

```
1  <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2  <!DOCTYPE html>
3  <html lang="en">
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  </head>
10 <body>
11   <div id="root"></div>
12   <script src="js/react.development.js"></script>
13   <script src="js/react-dom.development.js"></script>
14   <script src="js/babel.js"></script>
15   <script type="text/babel">
16
17     const Tombol = (props) =>{
18       const handleClick = () => {
19         alert(props.pesan);
20       }
21
22       return(
23         <button onClick={handleButtonClick} style={{margin: "10px"}}>
24           {props.children}
25         </button>
26       )
27     }
28
29     const MyApp = () => {
30       return(
31         <div>
32           <h1>Belajar React</h1>
33           <Tombol pesan="Belajar React">React</Tombol>
34           <Tombol pesan="Belajar JavaScript">JavaScript</Tombol>
35         </div>
36       )
37     }
38
39     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />)
40   </script>
41 </body>
42 </html>
```

Hasil:

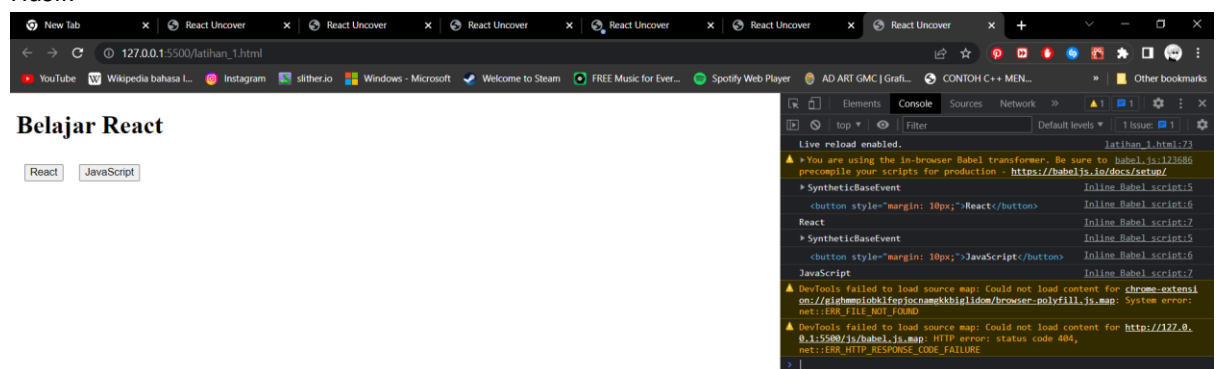


14. Tugas 1 PPT

Code:

```
1 <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2 <!DOCTYPE html>
3 <html lang="en">
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 </head>
10 <body>
11   <div id="root"></div>
12   <script src="js/react.development.js"></script>
13   <script src="js/react-dom.development.js"></script>
14   <script src="js/babel.js"></script>
15   <script type="text/babel">
16
17     const Tombol = (props) => {
18       const handleClick = (event) => {
19         console.log(event);           // event object
20         console.log(event.target);    // node object tempat event terjadi
21         console.log(event.target.innerHTML); // ambil isi HTML dari node object. Untuk form, biasanya ambil nilai value
22       }
23       return (
24         <button onClick={handleButtonClick} style={{margin: "10px"}}>
25           {props.children}
26         </button>
27       )
28     }
29
30     const MyApp = () => {
31       return(
32         <React.Fragment>
33           <div>
34             <h1>Belajar React</h1>
35             <Tombol pesan="Belajar React">React</Tombol>
36             <Tombol pesan="Belajar JavaScript">JavaScript</Tombol>
37           </div>
38         </React.Fragment>
39       )
40     }
41
42     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
43   </script>
44 </body>
45 </html>
```

Hasil:



15. Tugas 2 PPT

Code:

```
1  <!-- Rijal Ammar Irsyadul Ibad / TI3A / 15 / 2041720184 -->
2  <!DOCTYPE html>
3  <html lang="en">
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  </head>
10 <body>
11   <div id="root"></div>
12   <script src="js/react.development.js"></script>
13   <script src="js/react-dom.development.js"></script>
14   <script src="js/babel.js"></script>
15   <script type="text/babel">
16
17     const Tombol = (props) => {
18       return (
19         <button onClick={props.onTombolClick}>Click Me</button>
20       )
21     }
22
23     const MyApp = () => {
24       const handleClick = () => {
25         alert("Alert dari MyApp");
26       }
27
28       return (
29         <div>
30           <h1>Belajar React</h1>
31           <Tombol onClick={handleClick} />
32         </div>
33       )
34     }
35
36     ReactDOM.createRoot(document.getElementById('root')).render(<MyApp />);
37   </script>
38 </body>
39 </html>
```

Hasil:

