

LAPORAN PRAKTIKUM
PEMROGRAMAN WEB CLIENT
PERTEMUAN KE – 11



Disusun Oleh :

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2021

DOM dan VALIDASI FORM

A. Tujuan

- Dapat menuliskan script Javascript untuk membuat web dinamis menggunakan DOM.
- Dapat menuliskan script untuk validasi form

B. Praktik

1. Praktik 1 : DOM Methods

- Buat file baru, penyimpanan tidak harus di server

```
<!DOCTYPE html>
<html>
<body>

<h2>My First Page</h2>

<p id="demo"></p>

<script>
document.getElementById("demo").innerHTML = "Hello World!";
</script>

</body>
</html>
```

- Jalankan di browser

My First Page

Hello World!

2. Praktik 2 : DOM Elements

- Buat file baru, penyimpanan tidak harus di server

```
<!DOCTYPE html>
<html>
<body>

<h2>Finding HTML Elements by Id</h2>

<p id="intro">Hello World!</p>
<p>This example demonstrates the <b>getElementsById</b> method.</p>

<p id="demo"></p>

<script>
var myElement = document.getElementById("intro");
document.getElementById("demo").innerHTML =
"The text from the intro paragraph is " + myElement.innerHTML;
</script>

</body>
</html>
```

- Jalankan di browser

Finding HTML Elements by Id

Hello World!

This example demonstrates the **getElementsById** method.

The text from the intro paragraph is Hello World!

3. Praktik 3 : DOM HTML

- Buat file baru, penyimpanan tidak harus di server

```
<!DOCTYPE html>
<html>
<body>

<script>
document.write(Date());
</script>

</body>
</html>
```

- Jalankan di browser

Thu May 06 2021 10:11:11 GMT+0700 (Indochina Time)

4. Praktik 4 : DOM CSS

- Buat file baru, penyimpanan tidak harus di server

```
<!DOCTYPE html>
<html>
<body>

<p id="p1">Hello World!</p>
<p id="p2">Hello World!</p>

<script>
document.getElementById("p2").style.color = "blue";
document.getElementById("p2").style.fontFamily = "Arial";
document.getElementById("p2").style.fontSize = "larger";
</script>

<p>The paragraph above was changed by a script.</p>

</body>
</html>
```

- Jalankan di browser

Hello World!

Hello World!

The paragraph above was changed by a script.

5. Praktik 5 : DOM Events

- Buat file baru, penyimpanan tidak harus di server

```
<!DOCTYPE html>
<html>
<body>

<h1 onclick="this.innerHTML='Oops!'">Click on this text!</h1>

</body>
</html>
```

- Jalankan di browser

Click on this text!

- Setelah teks di klik

Ooops!

6. Praktik 6 : DOM Event Listener

- Buat file baru, penyimpanan tidak harus di server

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript addEventListener()</h2>

<p>This example uses the addEventListener() method to attach a click event to a button.</p>

<button id="myBtn">Try it</button>

<p id="demo"></p>

<script>
document.getElementById("myBtn").addEventListener("click", displayDate);

function displayDate() {
  document.getElementById("demo").innerHTML = Date();
}
</script>

</body>
</html>
```

- Jalankan di browser

JavaScript addEventListener()

This example uses the addEventListener() method to attach a click event to a button.

Try it

- Setelah di klik try

JavaScript addEventListener()

This example uses the addEventListener() method to attach a click event to a button.

Try it

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7. Praktik 7 : DOM Navigation

- Buat file baru

```
<!DOCTYPE html>
<html>
<body>

<h1 id="id01">My First Page</h1>
<p id="id02"></p>

<script>
document.getElementById("id02").innerHTML = document.getElementById("id01").innerHTML;
</script>

</body>
</html>
```

- Jalankan di browser

My First Page

My First Page

8. Praktik 8 : DOM Nodes

- Buat file baru

```
<!DOCTYPE html>
<html>
<body>

<div id="div1">
<p id="p1">This is a paragraph.</p>
<p id="p2">This is another paragraph.</p>
</div>

<script>
var para = document.createElement("p");
var node = document.createTextNode("This is new.");
para.appendChild(node);
var element = document.getElementById("div1");
element.appendChild(para);
</script>

</body>
</html>
```

- Jalankan di browser

This is a paragraph.

This is another paragraph.

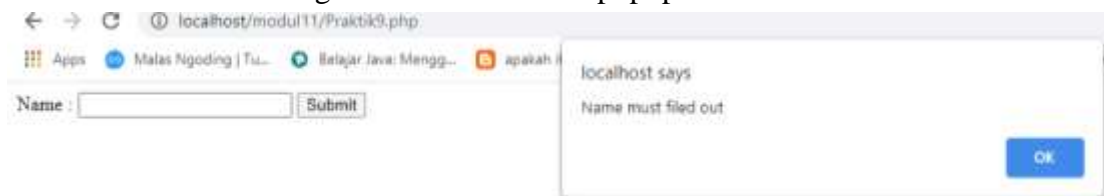
This is new.

9. Praktik 9 : Validasi Form

- Buat file baru

```
<!DOCTYPE html>
<html>
<head>
  <title></title>
  <script type="text/javascript">
    function validateFrom() {
      var x = document.forms["myFrom"]["nama"].value;
      if (x == "") {
        alert ("Name must filed out ");
        return false;
      }
    }
  </script>
</head>
<body>
  <form name="myFrom" action="Proses.php" onsubmit="return validateFrom()" method="post">
    Name :
    <input type="text" name="nama">
    <input type="submit" name="Submit">
  </form>
</body>
</html>
```

- Jika nama dikosongi maka akan muncul popup



C. Latihan

1. Buatlah Form untuk pendaftaran mahasiswa baru form fieldnya berupa nama, alamat, email, no telepon, jenis kelamin. Dengan valifikasi form field tidak boleh kosong

```
<!DOCTYPE html>
<html>
<head>
  <title></title>
  <script type="text/javascript">
    function validateFrom() {
      var x = document.forms["myFrom"]["nama", "alamat", "email", "no_tlp", "jkel"].value;
      if (x == "") {
        alert (" Semua field harus terisi ");
        return false;
      }
    }
  </script>
</head>
<body>
  <form name="myFrom" action="proses.php" onsubmit="return validateFrom()" method="post">
    <label>Name : </label>
    <input type="text" name="nama">
    <br>
    <label>Alamat : </label>
    <input type="text" name="alamat">
    <br>
    <label>Email : </label>
    <input type="text" name="email">
    <br>
    <label>No.tlp : </label>
    <input type="text" name="no_tlp">
    <p>
      <label>Jenis Kelamin : </label>
      <input type="radio" name="jkel" value="Laki-Laki"> Laki-laki
      <input type="radio" name="jkel" value="Perempuan"> Perempuan
    <p>
    <input type="submit" name="Submit">
  </form>
</body>
</html>
```

- Output jika field di isi

Dengan **METODE POST**
Nama : Tarisa
Alamat : Ponorogo
No_hp : 089675443245
Jenis Kelamin : Perempuan

- Jika ada field yang kosong akan muncul popup



The screenshot shows a web browser window with a form and a validation popup. The form has the following fields: Name (filled with 'Tarisa'), Alamat (empty), Email (empty), No.tlp (empty), and Jenis Kelamin (radio buttons for 'Laki-laki' and 'Perempuan', with 'Perempuan' selected). A 'Submit' button is at the bottom. The validation popup, titled 'localhost says', displays the message 'Semua field harus terisi' (All fields must be filled) and has an 'OK' button.

D. Tugas

1. Tugas diberikan oleh dosen pengampu.

E. Kesimpulan

Setelah melakukan praktik diatas yang sesuai dengan tujuan dari modul 11 ini, dapat disimpulkan bahwa mahasiswa dapat menuliskan script Javascript untuk membuat web dinamis menggunakan DOM. Serta mahasiswa juga dapat menuliskan script untuk validasi form.