

**PRAKTIKUM PEMROGRAMAN WEB
MODUL KE - 3.
PEMBUATAN APLIKASI WEB DENGAN JAVASRIPT**



**LABORATORIUM DMAG DAN RPL
PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
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2011/2012**

I. TUJUAN

- Memahami tentang struktur javascript
- Memahami tentang pemrograman di javascript
- Memahami tentang pemakaian obyek dan form

II. DASAR TEORI

A. Sekilas tentang JavaScript

Javascript adalah bahasa skrip yang ditempelkan pada kode HTML dan diproses di sisi klien. Dengan adanya bahasa ini, kemampuan dokumen HTML menjadi semakin luas. Sebagai contoh, dengan menggunakan JavaScript dimungkinkan untuk memvalidasi masukan masukan pada formulir sebelum formulir dikirimkan ke server. Javascript bukanlah bahasa Java dan merupakan dua bahasa yang berbeda. Javascript diinterpretasikan oleh klien (kodenya bisa dilihat pada sisi klien), sedangkan kode Java dikompilasi oleh pemrogram dan hasil kompilasinyalah yang dijalankan oleh klien.

B. Struktur JavaScript

Struktur dari JavaScript adalah sbb :

```
<SCRIPT LANGUAGE = "JavaScript">
<!-- -
Penulisan kode javascript
// - - >
</SCRIPT>
```

Keterangan :

Kode <!-- - // - - > umumnya disertakan dengan tujuan agar sekiranya browser tidak mengenali JavaScript maka browser akan memperlakukannya sebagai komentar sehingga tidak ditampilkan pada jendela browser.

C. JavaScript sebagai bahasa berorientasi pada obyek

Properti

Properti adalah atribut dari sebuah objek. Contoh, objek mobil punya properti warna mobil.

Penulisan :

```
Nama_objek.nama_properti = nilai
window.defaultStatus = "Selamat Belajar JavaScript";
```

Metode

Metode adalah suatu kumpulan kode yang digunakan untuk melakukan sesuatu tindakan terhadap objek.

Penulisan :

```
Nama_objek.nama_metode(parameter)
document.write ("Hallo")
```

D. Letak JavaScript dalam HTML

Skrip Javascript dalam dokumen HTML dapat diletakkan pada :

1. Bagian Head
2. Bagian Body (jarang digunakan).

III. PROSEDUR PELAKSANAAN

- Melakukan praktikum LabActivity01 s.d LabActivity13
- Laporkan ke Asisten

1. Buatlah file HTML dengan nama NIM + LabActivity masing-masing dengan

extensi[dot]html

2. Ketiklah script di bawah ini. Pahami dan berilah komentar pada script tersebut.
3. Penulisan komentar (<!--komentar-->) pada html
4. Penulisan komentar (/*komentar*/) pada css.

```
1 <HTML>
2 <HEAD>
3   <TITLE>Alert Box</TITLE>
4 </HEAD>
5 <BODY>
6   <SCRIPT LANGUAGE = "JavaScript">
7     <!--
8       window.alert("Ini merupakan pesan untuk Anda");
9     //-->
10  </SCRIPT>
11 </BODY>
12 </HTML>
```

Script LabActivity01.html

```
1 <HTML>
2 <HEAD>
3   <TITLE>Skrip JavaScript</TITLE>
4 </HEAD>
5 <BODY>
6   Percobaan memakai JavaScript:<BR>
7   <SCRIPT LANGUAGE = "JavaScript">
8     <!--
9       document.write("Selamat Mencoba JavaScript<BR>");
10      document.write("Semoga sukses!");
11    //-->
12  </SCRIPT>
13 </BODY>
14 </HTML>
```

Script LabActivity02.html

```
1 <HTML>
2 <HEAD>
3   <TITLE>Pemasukan Data</TITLE>
4 </HEAD>
5 <BODY>
6   <SCRIPT LANGUAGE = "JavaScript">
7     <!--
8       var nama = prompt("Siapa nama Anda?", "Masukkan nama anda");
9       document.write("Hai, " + nama);
10    //-->
11  </SCRIPT>
12 </BODY>
13 </HTML>
```

Script LabActivity03.html

```

1  <HTML>
2  <HEAD>
3    <TITLE>Contoh Program Javascript</TITLE>
4  </HEAD>
5  <SCRIPT language="Javascript">
6    function pesan() {
7      alert ("memanggil javascript lewat body onload")
8    }
9  </SCRIPT>
10 <BODY onload=pesan() >
11 </BODY>
12 </HTML>

```

Script LabActivity04.html

```

1  <HTML>
2  <HEAD>
3    <TITLE>Contoh Program Javascript</TITLE>
4  </HEAD>
5  <SCRIPT language="Javascript">
6    function test (val1,val2)
7    {
8      document.write("<br>"+"Perkalian : val1*val2 "+"<br>")
9      document.write(val1*val2)
10     document.write("<br>"+"Pembagian : val1/val2 "+"<br>")
11     document.write(val1/val2)
12     document.write("<br>"+"Penjumlahan : val1+val2 "+"<br>")
13     document.write(val1+val2)
14     document.write("<br>"+"Pengurangan : val1-val2 "+"<br>")
15     document.write(val1-val2)
16     document.write("<br>"+"Modulus : val1%val2 "+"<br>")
17     document.write(val1%val2)
18   }
19 </SCRIPT>
20 <BODY>
21   <input type="button" name="button1" value="arithmetic"
22   onclick=test(9,4) >
23 </BODY>
24 </HTML>

```

Script LabActivity05.html

```

1  <HTML>
2  <HEAD>
3    <TITLE>Contoh Program Javascript</TITLE>
4  </HEAD>
5  <SCRIPT language="Javascript">
6    function test () {
7      val1=window.prompt("Nilai I :")
8      val2=window.prompt("Nilai II :")
9      document.write("<br>"+"val1==val2"+"<br>")
10     document.write(val1==val2)
11     document.write("<br>"+"val1!=val2"+"<br>")
12     document.write(val1!=val2)
13     document.write("<br>"+"val1>val2"+"<br>")
14     document.write(val1>val2)
15     document.write("<br>"+"val1<val2"+"<br>")
16     document.write(val1<val2) }
17  </SCRIPT>
18  <BODY>
19    <input type="button" name="button1" value="relational"
20    onclick=test () >
21  </BODY>
22  </HTML>

```

Script LabActivity06.html

```

1  <HTML>
2  <HEAD>
3    <TITLE>Contoh if-else</TITLE>
4  </HEAD>
5  <BODY>
6  <SCRIPT LANGUAGE = "JavaScript">
7    <!--
8      var nilai = prompt("Nilai (0-100): ", 0);
9      var hasil = "";
10     if (nilai >= 60)
11       .... hasil = "Lulus";
12     else
13       .... hasil = "Tidak Lulus";
14     document.write("Hasil: " + hasil);
15   //-->
16  </SCRIPT>
17  </BODY>
18  </HTML>

```

Script LabActivity07.html

```

1  <HTML>
2  <HEAD>
3    <TITLE>Contoh Program Javascript</TITLE>
4  </HEAD>
5  <SCRIPT language="Javascript">
6    function test ()
7    {
8      val1=window.prompt("Input Nilai (1-5):")
9      switch (val1)
10     {
11       case "1" :
12         document.write("bilangan satu")
13         break
14       case "2" :
15         document.write("bilangan dua")
16         break
17       case "3" :
18         document.write("bilangan tiga")
19         break
20       case "4" :
21         document.write("bilangan empat")
22         break
23       case "5" :
24         document.write("bilangan lima")
25         break
26       default :
27         document.write("bilangan lainnya")
28     }
29   }
30 </SCRIPT>
31 <BODY>
32   <input type="button" name="button1" value="switch"
33   onclick=test() >
34 </BODY>
35 </HTML>

```

Script LabActivity08.html

```

1  <HTML>
2  <HEAD>
3    <TITLE>Contoh Program Javascript</TITLE>
4  </HEAD>
5  <BODY>
6  <SCRIPT language="Javascript">
7    <!--
8    for (x=0;x<=10;x++)
9      document.write(x+"<br>")
10   // -->
11 </SCRIPT>
12 </BODY>
13 </HTML>

```

Script LabActivity09.html

```

1  <HTML>
2  <HEAD>
3    <TITLE>Contoh Program Javascript</TITLE>
4  </HEAD>
5  <BODY>
6    <SCRIPT language="Javascript">
7      <!--
8      var x=0
9      do{
10     document.write (x+"<br>")
11     x++;
12   }
13   while (x<=10)
14   // -->
15 </SCRIPT>
16 </BODY>
17 </HTML>

```

Script LabActivity10.html

```

1  <HTML>
2  <HEAD>
3    <TITLE>Contoh Program Javascript</TITLE>
4  </HEAD>
5  <BODY>
6    <SCRIPT language="Javascript">
7      <!--
8      var x=0
9      while (x<=10) {
10     document.write (x+"<br>")
11     x++;
12   }
13   // -->
14 </SCRIPT>
15 </BODY>
16 </HTML>

```

Script LabActivity11.html

```

1  <html>
2  <head> </head>
3  <SCRIPT language="Javascript">
4  function test () {
5      var val1=document.kirim.T1.value
6      if (val1%2==0)
7          document.kirim.T2.value="bilangan genap"
8      else
9          document.kirim.T2.value="bilangan ganjil"
10     }
11 </SCRIPT>
12 <body>
13 <form method="POST" name="kirim">
14 <p>BIL <input type="text" name="T1" size="20">
15     MERUPAKAN BIL <input type="text" name="T2" size="20">
16 </p>
17 <p><input type="button" value="TEBAK" name="B1" onclick=test()>
18 </p>
19 </form>
20 </body>
21 </html>

```

Script LabActivity12.html

```

1  <HTML>
2  <HEAD>
3      <TITLE>Objek document</TITLE>
4  </HEAD>
5  <BODY>
6  <SCRIPT LANGUAGE = "JavaScript">
7      <!--
8      function ubahWarnaLB(warna) {
9          document.bgColor = warna;
10     }
11     function ubahWarnaLD(warna) {
12         document.fgColor = warna;
13     }
14     //-->
15 </SCRIPT>
16 <H1>TES</H1>
17 <FORM>
18     <INPUT TYPE = "BUTTON"
19         VALUE = "Latar Belakang Hijau"
20         onClick = "ubahWarnaLB('GREEN') ">
21     <INPUT TYPE = "BUTTON"
22         VALUE = "Latar Belakang Putih"
23         onClick = "ubahWarnaLB('WHITE') ">
24     <INPUT TYPE = "BUTTON"
25         VALUE = "Teks Kuning"
26         onClick = "ubahWarnaLD('YELLOW') ">
27     <INPUT TYPE = "BUTTON"
28         VALUE = "Teks Biru"
29         onClick = "ubahWarnaLD('BLUE') ">
30 </FORM>
31 <SCRIPT LANGUAGE = "JavaScript">

```



```

32 <!--
33     document.write("Dimodifikasi terakhir pada " +
34         document.lastModified);
35 //-->
36 </SCRIPT>
37
38 </BODY>
39 </HTML>

```

Script LabActivity13.html

V. TUGAS PRAKTIKUM

- Buat halaman html untuk mengkonversi nilai angka menjadi nilai huruf dengan menggunakan javascript seperti lab Activity 12.

Konversi :

0-40 =E

41-55=D

56-60=C

61-65=BC

66-70=B

71-80=AB

81-100=A

- Buat halaman html untuk menampilkan aplikasi program kalkulator sederhana dengan menggunakan javascript.

Contoh tampilan :

Bil 1

Bil 2

Hasil

Bil 1 dan Bil 2 merupakan text box, dapat diisi angka, bila tombol + atau – atau x atau / ditekan, maka akan keluar bilangan pada text box hasil, dimana bilangan ini merupakan operasi arithmetic sesuai dengan tombol yang ditekan.



Security Is Our Business

Feeling secure is the basic needs of everyone. Unfortunately, with recent developments and conditions, realizing these basic needs do not come easy. The

WELCOME TO OUR WEBSITE

Feeling secure is the basic needs of everyone. Unfortunately, with recent developments and conditions, realizing these basic needs do not come easy. The criminal trend is clearly increasing. So, who does care and obligate for it? Just yourself. But, try Sentinel to minimize, if not eradicate, your security risks and problems. Our innovative and unique system will provide you a fair security system, cost-efficient, and create peace of mind that let you live your life and run your business without disruptions. Sentinel will meet or exceed your expectations for security services with professionalism, pride and continued commitment, to the communities we serve.

ABOUT US



Recently, the complexities of the business environment required all business players - as professionals or business owners, to think and act more effectively and efficiently. Focus on core business competency and outsource the supporting activities is one of the strategic decisions adopted by almost modern business organizations.

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OUR MISSION



I believe Sentinel isn't the biggest company yet in the security industry. But, Sentinel delivers the best security service where it matters - all our people work harder than others and are committed to make continuing improvements, and they really know how to satisfy the clients' needs and wants.

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OUR HISTORY



Our philosophy is to satisfy our employees first before our clients. The conducive and comfortable work atmosphere created, the clear career tracks and reward programs in place and to build a solid teamwork and develop work ethos based on our values: Integrity, Capability and Loyalty. Once we achieve happiness.

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LASTEST NEWS

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March 28, 2010
USD/CHF opened the session at 1.0587, almost ...

Japanese Retail Sales y/y
March 28, 2010
The JPY showed little reaction to worse than expected yearly retail sales numbers for ...

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Manned Guarding Service

Sentinel's security system consists of three main components - qualified manpower, equipments/tools and standard operating procedures. The integrated and systematic relationship and process between these components will result in the kind of service we desire and that is to create a feeling of maximum secureness for all our clients at all times.

Once our fully trained and qualified security officers are placed at a strategic location, it means that this process will begin and other processes will follow automatically. (SO) Security Officer's main task is to control and ensure that persons and assets are protected against theft, vandalism and illegal entry or other hazards. They are also trained to act prudently in emergency situations such as illness, fire, safety hazard or other unusual situations. They do know exactly what proper course of action to take when something happens, because they are all well trained in the systematic and comprehensive standard operating procedures (SOP) by Sentinel's very own SOP instructors.

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