

**LAPORAN PRAKTIKUM**  
**PEMROGRAMAN WEB CLIENT**  
**PERTEMUAN KE – 10**



**Disusun Oleh :**

**NAMA : TARISA DWI SEPTIA**  
**NIM : 205410126**  
**JURUSAN : TEKNIK INFORMATIKA**  
**JENJANG : S1**

**Laboratorium Terpadu**  
**Sekolah Tinggi Management Informatika Komputer**  
**AKAKOM**  
**YOGYAKARTA**  
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## ARRAY, OBJEK, STRUKTUR KONTROL DAN FUNGSI

### A. Tujuan

- Dapat menuliskan script javascript menggunakan array, objek, struktur kontrol, (if, while, dll), fungsi

### B. Praktik

#### 1. Praktik 1 : Javascript Array

- a. Buat file baru, penyimpanan tidak harus di server

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title></title>
5  </head>
6  <body>
7  |   <h1>Java Script Array</h1>
8  |   <p>STMIK AKAKOM</p>
9  |   <p id="demo"></p>
10 |   <script type="text/javascript">
11 |       var jurusan = [ "Manajemen Informatika",
12 |                       "Komputerisasi Akuntansi",
13 |                       "Teknik Komputer",
14 |                       "Teknik Infotmatika",
15 |                       "Sistem Informasi"];
16 |       document.getElementById('demo').innerHTML = jurusan;|
17 |   </script>
18 </body>
19 </html>
```

- b. Jalankan di browser

## Java Script Array

STMIK AKAKOM

Manajemen Informatika,Komputerisasi Akuntansi,Teknik Komputer,Teknik Infotmatika,Sistem Informasi

#### 2. Praktik 2 : Javascript If Else

- a. Buat file baru, penyimpanan tidak harus di server

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title></title>
5  </head>
6  <body>
7  |   <p>JavaScript is conditions</p>
8  |   <p id="demo"></p>
9  |
10 |   <script type="text/javascript">
11 |       var angka = 10;
12 |       if (angka < 15) {
13 |           hasil = "angka lebih kecil dari 15";
14 |       }else{
15 |           hasil = "angka lebih besar dari 15";
16 |       }
17 |       document.getElementById('demo').innerHTML = hasil;
18 |   </script>
19 </body>
20 </html>
```

- b. Jalankan di browser

JavaScript is conditions

angka lebih kecil dari 15

3. Praktik 3 : Javascript Switch

- a. Buat file baru, penyimpanan tidak harus di server

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <title></title>
5  </head>
6  <body>
7    <p id="demo"></p>
8
9    <script type="text/javascript">
10      var day = 4;
11      switch(day){
12        case 0 :
13          day = "Sunday";
14          break;
15        case 1 :
16          day = "Monday";
17          break;
18        case 2 :
19          day = "Tuesday";
20          break;
21        case 3 :
22          day = "Wednesday";
23          break;
24        case 4 :
25          day = "Thursday";
26          break;
27        case 5 :
28          day = "Friday";
29          break;
30        case 6 :
31          day = "Saturday";
32          break;
33      }
34      document.getElementById('demo').innerHTML = "Hari ini "+day;
35    </script>
36  </body>
37 </html>
```

- b. Jalankan di browser

Hari ini Thursday

#### 4. Praktik 4 : Javascript Loop For

- a. Buat file, penyimpanan tidak harus di server

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title></title>
5  </head>
6  <body>
7      <h2>Javascript For Loop</h2>
8      <p id="demo"></p>
9
10     <script type="text/javascript">
11         var cars = ["BMW", "Volvo", "Saab", "Ford", "Fiat", "Audi"];
12         var text = "";
13         var i ;
14         for ( i = 0; i < cars.length; i++) {
15             text += cars[i] + "<br>";
16         }
17         document.getElementById('demo').innerHTML = text;
18     </script>
19 </body>
20 </html>
```

- b. Jalankan di browser

## Javascript For Loop

BMW  
Volvo  
Saab  
Ford  
Fiat  
Audi

#### 5. Praktik 5 : Javascript Loop While

- a. Buat file baru, penyimpanan tidak harus di server

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title></title>
5  </head>
6  <body>
7      <h2>Javascript While Loop</h2>
8      <p id="demo"></p>
9
10     <script type="text/javascript">
11         var text = "";
12         var i = 0;
13         while(i<10){
14             text += "<br>The number is " + i;
15             i++;
16         }
17         document.getElementById('demo').innerHTML = text;
18     </script>
19 </body>
20 </html>
```

- b. Jalankan di browser

## Javascript While Loop

The number is 0  
The number is 1  
The number is 2  
The number is 3  
The number is 4  
The number is 5  
The number is 6  
The number is 7  
The number is 8  
The number is 9

- 6. Praktik 6 :Javascript Function
  - a. Buat file baru, penyimpanan tidak harus di server

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title></title>
5  </head>
6  <body>
7      <h2>Javascript Function</h2>
8      <p>Contoh penggunaan fungsi untuk perkalian</p>
9
10     <p id="demo"></p>
11     <script type="text/javascript">
12         var x = myFunction(4, 3);
13         document.getElementById('demo').innerHTML = x;
14
15         function myFunction(a, b){
16             return a*b;
17         }
18
19     </script>
20 </body>
21 </html>
```

- b. Jalankan di browser

## Javascript Function

Contoh penggunaan fungsi untuk perkalian

## 7. Praktik 7 : Javascript Objek

- Buat file baru, penyimpanan tidak harus di server

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5     <p>Creating a JavaScript Object.</p>
6
7     <p id="demo"></p>
8
9     <script>
10     var person = {
11         firstName : "John",
12         lastName  : "Doe",
13         age       : 50,
14         eyeColor  : "blue"
15     };
16
17     document.getElementById("demo").innerHTML = person.firstName + " is " + person.age + " years old";
18 </script>
19
20 </body>
21 </html>
```

- Jalankan di browser

Creating a JavaScript Object.

John is 50 years old

## C. Latihan

- Buatlah array yang menampung nama binatang dan nama sayuran (minimal 5)

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title></title>
5 </head>
6 <body>
7     <h1>Java Script Array</h1>
8     <p>STMIK AKAKOM</p>
9     <p id="demo"></p>
10    <script type="text/javascript">
11        var hewan = [ "Kucing",
12                      "Anjing",
13                      "Bebek",
14                      "Kuda",
15                      "Kelinci"];
16
17        var sayur = [ "Bayam",
18                      "Sawi",
19                      "Tomat",
20                      "Kubis",
21                      "Wortel",
22                      ];
23        document.getElementById('demo').innerHTML = hewan+ "<br>" +sayur;
24    </script>
25 </body>
26 </html>
```

Output :

# Java Script Array

STMIK AKAKOM

Kucing, Anjing, Bebek, Kuda, Kelinci  
Bayam, Sawi, Tomat, Kubis, Wortel

2. Modifikasi file praktik 7 dengan mengisikan data diri anda

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5     <!--Creating a Javascript Object.-->
6
7     <div id="demo"></div>
8
9     <script>
10         var person = {
11             Name : "Tarisa Dwi Septia",
12             age : 18,
13             eyeColor : "Brown"
14         };
15
16         document.getElementById("demo").innerHTML = person.Name + " is " + person.age + " years old and my eye color " + person.eyeColor;
17     </script>
18
19 </body>
20 </html>
```

Output :

Creating a JavaScript Object.

Tarisa Dwi Septia is 18 years old and my eye color Brown

## D. Tugas

1. Tugas diberikan oleh dosen pengampu.

## E. Kesimpulan

Setelah melakukan praktik diatas yang seusai tujuan dari modul 10 ini, dapat disimpulkan bahwa mahasiswa mampu menuliskan script javascript dengan menerapkan array, objek, struktur control(if, while, dll), fungsi.