

LAPORAN PRAKTIKUM
PEMROGRAMAN WEB CLIENT
PERTEMUAN KE – 10



Disusun Oleh :

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AKAKOM
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MODUL 10

ARRAY, OBJEK, STRUKTUR KONTROL dan FUNGSI

A. Tujuan

- Dapat menuliskan script javascript menerapkan array, objek, struktur control(if, while, dll), fungsi.

B. Praktik

1. Praktik 1 : Membuat Array

- Buat file baru, penyimpanan tidak harus di server

```
<!DOCTYPE html>
<html>
<body>
  <h1>Java Script Array</h1>
  <p>STMIK AKAKOM</p>
  <p id="demo"></p>
  <script type="text/javascript">
    var jurusan = [ "Manajemen Informatika",
                    "Komputerisasi Akuntansi",
                    "Teknik Komputer",
                    "Teknik Infotmatika",
                    "Sistem Informasi"];
    document.getElementById('demo').innerHTML = jurusan;
  </script>
</body>
```

Output :

Java Script Array

STMIK AKAKOM

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

2. Praktik 2 : JavaScript If Condition

- Buat file baru, penyimpanan tidak harus di server

```
<!DOCTYPE html>
<html>
<body>
  <p>JavaScript is conditions</p>
  <p id="demo"></p>
  <script type="text/javascript">
    var angka = 10;
    if (angka < 15) {
      hasil = "angka lebih kecil dari 15";
    }else{
      hasil = "angka lebih besar dari 15";
    }
    document.getElementById('demo').innerHTML = hasil;
  </script>
</body>
</html>
```

- Jalankan di browser

JavaScript is conditions

angka lebih kecil dari 15

3. Praktik 3 : JavaScript Switch

- Buat file baru, penyimpanan tidak harus di server

```
<!DOCTYPE html>
<html>
<body>
  <p id="demo"></p>
  <script>
    var day = 4;
    switch(day){
      case 0 :
        day = "Sunday";
        break;
      case 1 :
        day = "Monday";
        break;
      case 2 :
        day = "Tuesday";
        break;
      case 3 :
        day = "Wednesday";
        break;
      case 4 :
        day = "Thursday";
        break;
      case 5 :
        day = "Friday";
        break;
      case 6 :
        day = "Saturday";
        break;
    }
    document.getElementById('demo').innerHTML = "Hari ini "+day;
  </script>
</body>
</html>
```

- Jalankan di browser

Hari ini Thursday

4. Praktik 4 : JavaScript Loop For

```
<!DOCTYPE html>
<html>
<body>
  <h2>Javascript For Loop</h2>
  <p id="demo"></p>
  <script>
    var cars = ["BMW", "Volvo", "Saab", "Ford", "Fiat", "Audi"];
    var text = "";
    var i ;
    for ( i = 0; i < cars.length; i++) {
      text += cars[i] + "<br>";
    }
    document.getElementById('demo').innerHTML = text;
  </script>
</body>
</html>
```

- Buat file baru, penyimpanan tidak harus di server

Output :

Javascript For Loop

BMW
Volvo
Saab
Ford
Fiat
Audi

5. Praktik 5 : JavaScript Loop While

- Buat file baru, penyimpanan tidak harus di server

```
<!DOCTYPE html>
<html>
<body>
  <h2>Javascript While Loop</h2>
  <p id="demo"></p>
  <script>
    var text = "";
    var i = 0;
    while(i<10){
      text += "<br>The number is " + i;
      i++;
    }
    document.getElementById('demo').innerHTML = text;
  </script>
</body>
</html>
```

- 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 Functions

- Buat file baru, penyimpanan tidak harus di server

```
<!DOCTYPE html>
<html>
<body>
  <h2>Javascript Function</h2>
  <p>Contoh penggunaan fungsi untuk perkalian</p>

  <p id="demo"></p>
  <script type="text/javascript">
    var x = myFunction(4, 3);
    document.getElementById('demo').innerHTML = x;
    function myFunction(a, b){
      return a*b;
    }
  </script>
</body>
</html>
```

Output :

Javascript Function

Contoh penggunaan fungsi untuk perkalian

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7. Praktik 7 : JavaScript Objects

- Buat file baru

```
<!DOCTYPE html>
<html>
<body>
  <p>Creating a JavaScript Object.</p>
  <p id="demo"></p>
  <script>
    var person = {firstName : "John",lastName : "Doe",age : 50,eyeColor : "blue"};
    document.getElementById("demo").innerHTML = person.firstName + " is " + person.age + " years old";
  </script>
</body>
</html>
```

- Jalankan di browser

Creating a JavaScript Object.

John is 50 years old

C. Latihan

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

```
<!DOCTYPE html>
<html>
<head>
  <title></title>
</head>
<body>
  <h4>Javascript Array</h4>
  <p id="demo"></p>
  <script type="text/javascript">
    var hewan = [
      "Babi",
      "Beruang",
      "Kijang",
      "Kura - kura",
      "Ular"];

    var sayur = [
      "Slada",
      "Kacang panjang",
      "Wortel",
      "Lobak",
      "Mentimun",
    ];

    document.getElementById('demo').innerHTML = hewan+ "dan" +sayur;
  </script>
</body>
</html>
```

Output :

Javascript Array

Babi,Beruang,Kijang,Kura - kura,Ular dan Slada,Kacang panjang,Wortel,Lobak,Mentimun

2. Modifikasi file praktik 7 dengan mengisikan data diri anda

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

  <p>Creating a JavaScript Object.</p>

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

  <script>
    var person = {
      Name : "Frans Bruno Lakesbun",
      age   : 20,
      eyeColor : "Black"
    };

    document.getElementById("demo").innerHTML = person.Name + " is " + person.age
    + " years old and my he color " +person.eyeColor;
  </script>
</body>
</html>
```

Output :

Creating a JavaScript Object.

Frans Bruno Lakesbun is 20 years old and he eye color is Black

D. Tugas

1. Tugas diberikan oleh dosen pengampu.