

LAPORAN PRAKTIKUM
PEMROGRAMAN WEB DINAMIS
MODUL 10
“XML (Extensible Markup Language)”



Oleh:

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KELAS : A

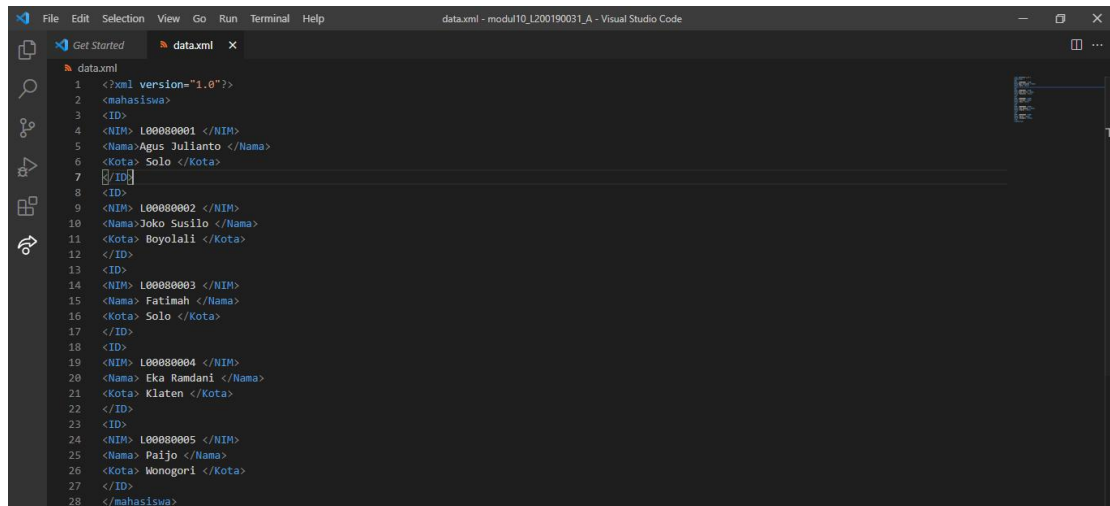
PRODI : INFORMATIKA

Fakultas Komunikasi dan Informatika
Universitas Muhammadiyah Surakarta

Percobaan

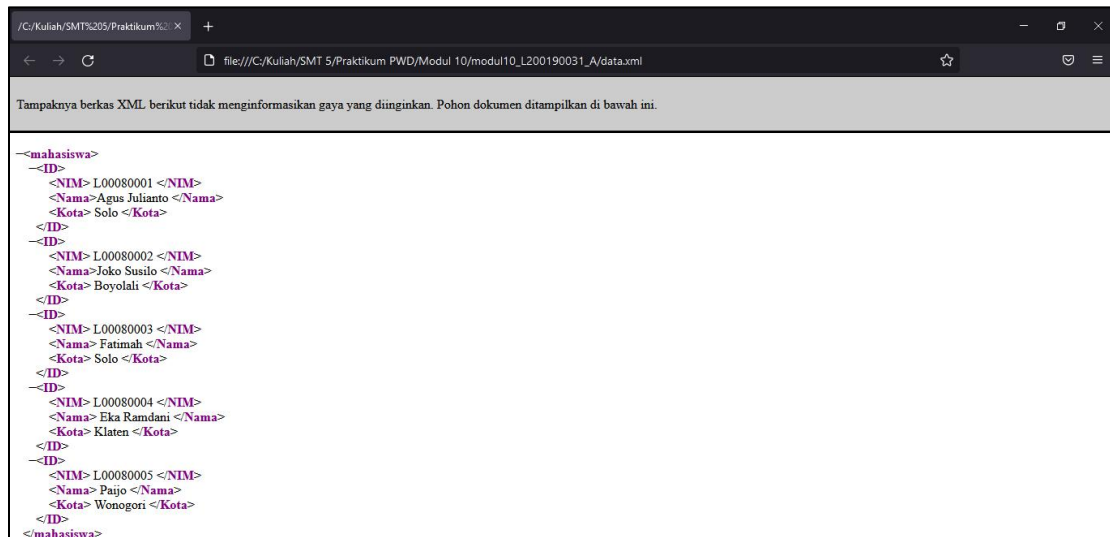
1. Percobaan 1 (File XML)

Code:



```
1 <?xml version="1.0"?>
2 <mahasiswa>
3   <ID>
4     <NIM> L00080001 </NIM>
5     <Nama> Agus Julianto </Nama>
6     <Kota> Solo </Kota>
7   </ID>
8   <ID>
9     <NIM> L00080002 </NIM>
10    <Nama> Joko Susilo </Nama>
11    <Kota> Boyolali </Kota>
12  </ID>
13  <ID>
14    <NIM> L00080003 </NIM>
15    <Nama> Fatimah </Nama>
16    <Kota> Solo </Kota>
17  </ID>
18  <ID>
19    <NIM> L00080004 </NIM>
20    <Nama> Eka Ramdani </Nama>
21    <Kota> Klaten </Kota>
22  </ID>
23  <ID>
24    <NIM> L00080005 </NIM>
25    <Nama> Paijo </Nama>
26    <Kota> Wonogori </Kota>
27  </ID>
28 </mahasiswa>
```

Output:



Tampaknya berkas XML berikut tidak menginformasikan gaya yang diinginkan. Pohon dokumen ditampilkan di bawah ini.

```
<?xml version='1.0'?>
<mahasiswa>
  <ID>
    <NIM> L00080001 </NIM>
    <Nama> Agus Julianto </Nama>
    <Kota> Solo </Kota>
  </ID>
  <ID>
    <NIM> L00080002 </NIM>
    <Nama> Joko Susilo </Nama>
    <Kota> Boyolali </Kota>
  </ID>
  <ID>
    <NIM> L00080003 </NIM>
    <Nama> Fatimah </Nama>
    <Kota> Solo </Kota>
  </ID>
  <ID>
    <NIM> L00080004 </NIM>
    <Nama> Eka Ramdani </Nama>
    <Kota> Klaten </Kota>
  </ID>
  <ID>
    <NIM> L00080005 </NIM>
    <Nama> Paijo </Nama>
    <Kota> Wonogori </Kota>
  </ID>
</mahasiswa>
```

2. Percobaan 2 (XML dan CSS)

Code:

```
data2.xml - modul10_L200190031_A - Visual Studio Code
data2.xml  # data2.css
data2.xml
1 <?xml version="1.0"?>
2 <?xml-stylesheet type="text/css" href="data2.css"?>
3 <mahasiswa>
4 <ID>
5 <NIM> L00080001 </NIM>
6 <Nama>Agus Julianto </Nama>
7 <Kota> Solo </Kota>
8 </ID>
9 <ID>
10 <NIM> L00080002 </NIM>
11 <Nama>Joko Susilo </Nama>
12 <Kota> Boyolali </Kota>
13 </ID>
14 <ID>
15 <NIM> L00080003 </NIM>
16 <Nama> Fatimah </Nama>
17 <Kota> Solo </Kota>
18 </ID>
19 <ID>
20 <NIM> L00080004 </NIM>
21 <Nama> Eka Ramdani </Nama>
22 <Kota> Klaten </Kota>
23 </ID>
24 <ID>
25 <NIM> L00080005 </NIM>
26 <Nama> Paijo </Nama>
27 <Kota> Wonogori </Kota>
28 </ID>
29 </mahasiswa>
```

```
data2.css - modul10_L200190031_A - Visual Studio Code
data2.xml  # data2.css
# data2.css > ID
1 ID{
2     display: block;
3 }
4 NIM{
5     color: red;
6 }
7 Nama{
8     color: blue;
9     font-size: 20pt;
10    background-color: yellow;
11 }
12 Kota{
13     font-family: Verdana, Geneva, Tahoma, sans-serif;
14     font-style: italic;
15 }
```

Output:

```
/C:/Kuliah/SMT3205/Praktikum%...
file:///C:/Kuliah/SMT 5/Praktikum PWD/Modul 10/modul10_L200190031_A/data2.xml
L00080001 Agus Julianto Solo
L00080002 Joko Susilo Boyolali
L00080003 Fatimah Solo
L00080004 Eka Ramdani Klaten
L00080005 Paijo Wonogori
```

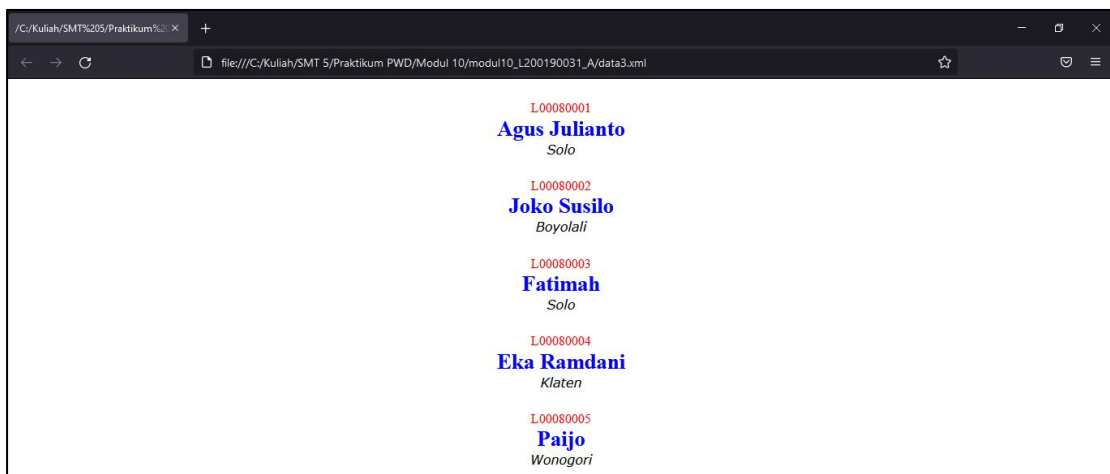
3. Percobaan 3 (XML dan CSS bag.2)

Code:

```
data3.xml
1 <?xml version="1.0"?>
2 <?xml-stylesheet type="text/css" href="data3.css"?>
3 <mahasiswa>
4 <ID>
5 <NIM> L00080001 </NIM>
6 <Nama> Agus Julianto </Nama>
7 <Kota> Solo </Kota>
8 </ID>
9 <ID>
10 <NIM> L00080002 </NIM>
11 <Nama> Joko Susilo </Nama>
12 <Kota> Boyolali </Kota>
13 </ID>
14 <ID>
15 <NIM> L00080003 </NIM>
16 <Nama> Fatimah </Nama>
17 <Kota> Solo </Kota>
18 </ID>
19 <ID>
20 <NIM> L00080004 </NIM>
21 <Nama> Eka Ramdani </Nama>
22 <Kota> Klaten </Kota>
23 </ID>
24 <ID>
25 <NIM> L00080005 </NIM>
26 <Nama> Paijo </Nama>
27 <Kota> Wonogori </Kota>
28 </ID>
29 </mahasiswa>
```

```
data3.css
1 ID{
2     text-align: center;
3     display: block;
4     margin-top: 20pt ;
5 }
6 NIM{
7     display: block;
8     color: red;
9 }
10 Nama{
11     display: block;
12     color: blue;
13     font-weight: bold;
14     font-size: 20pt;
15 }
16 Kota{
17     display: block;
18     font-family: Verdana, Geneva, Tahoma, sans-serif;
19     font-style: italic;
20 }
```

Output:

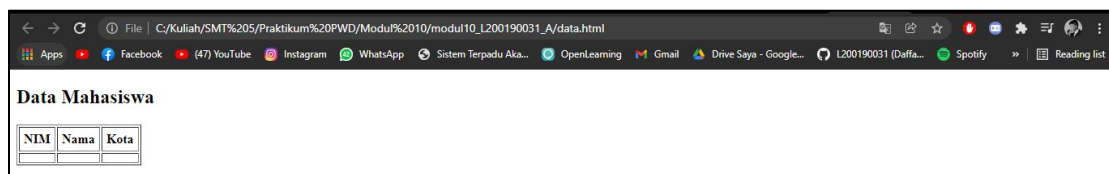


4. Percobaan 4 (XML dan HTML)

Code:

```
data.html - modul10_L200190031_A - Visual Studio Code
data3.xml # data3.css data.html x
data.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title> Data Mahasiswa</title>
8 </head>
9 <body>
10   <xml id="dsoData" src="data.xml"/>
11   <h2> Data Mahasiswa</h2>
12   <table datasrc="#dsoData" border="1" cellpadding="5">
13     <thead>
14       <th>NIM</th>
15       <th>Nama</th>
16       <th>Kota</th>
17     </thead>
18     <tr align="center">
19       <td><span dataflo="NIM"></span></td>
20       <td><span dataflo="Nama"></span></td>
21       <td><span dataflo="Kota"></span></td>
22     </tr>
23   </table>
24 </body>
25 </html>
```

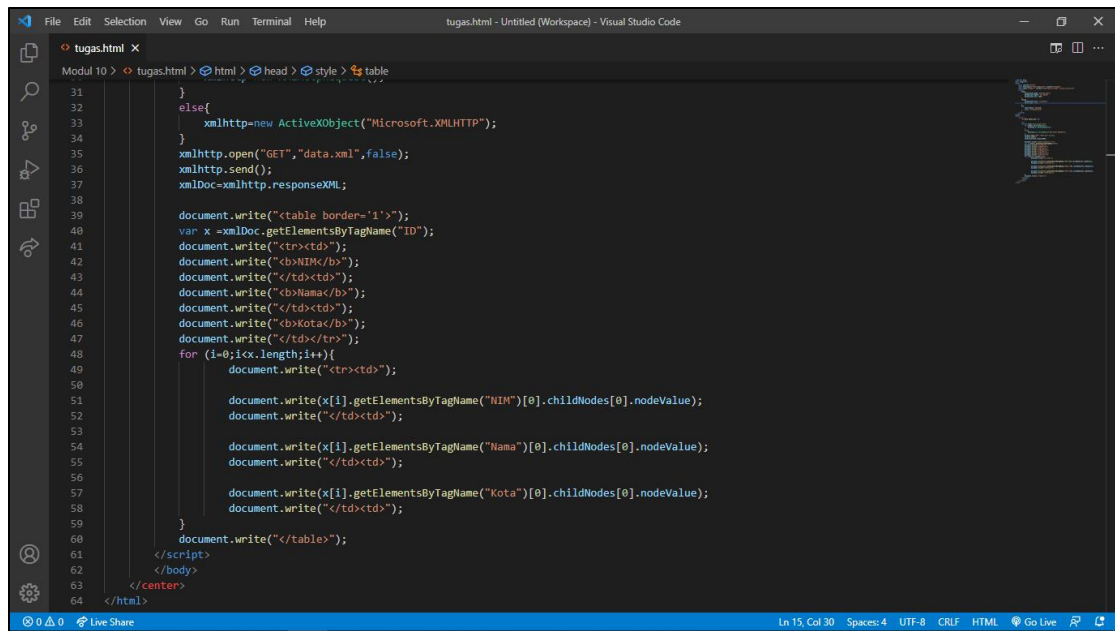
Output:



5. Percobaan 5 (XML dan HTML bag.2)

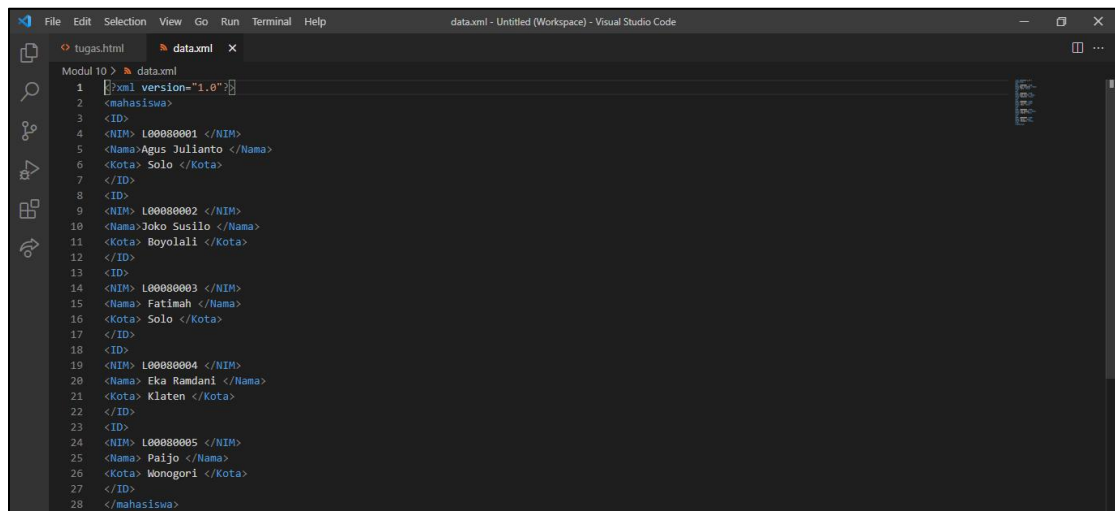
Code:

```
data2.html - modul10_L200190031_A - Visual Studio Code
data2.html x
data2.html > html > body > script
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 </head>
8 <body>
9
10
11   <script type="text/javascript">
12     if (window.XMLHttpRequest){
13       xmlhttp=new XMLHttpRequest();
14     }
15     else{
16       xmlhttp=new ActiveXObject("Microsoft.XMLHTTP");
17     }
18     xmlhttp.open("GET","data.xml",false);
19     xmlhttp.send();
20     xmlDoc=xmlhttp.responseXML;
21
22     document.write("<table border='1'>");
23     var x =xmlDoc.getElementsByTagName("td");
24     document.write("<tr><td>");
25     document.write("<b>NIM</b>");
26     document.write("</td><td>");
27     document.write("<b>Nama</b>");
28     document.write("</td><td>");
29     document.write("<b>Kota</b>");
30     document.write("</td></tr>");
31     for (i=0;i<x.length;i++){
32       document.write("<tr><td>");
33
34       document.write(x[i].getElementsByTagName("NIM")[0].childNodes[0].nodeValue);
35       document.write("</td><td>");
```

```
31 }
32 else{
33     xmlhttp=new XMLHttpRequest("Microsoft.XMLHTTP");
34 }
35 xmlhttp.open("GET","data.xml",false);
36 xmlhttp.send();
37 xmlDoc=xmlhttp.responseXML;
38
39 document.write("<table border='1'>");
40 var x =xmlDoc.getElementsByTagName("ID");
41 document.write("<tr><td>");
42 document.write("<b>NIM</b>");
43 document.write("</td><td>");
44 document.write("<b>Nama</b>");
45 document.write("</td><td>");
46 document.write("<b>Kota</b>");
47 document.write("</td></tr>");
48 for (i=0;i<x.length;i++){
49     document.write("<tr><td>");
50
51     document.write(x[i].getElementsByTagName("NIM")[0].childNodes[0].nodeValue);
52     document.write("</td><td>");
53
54     document.write(x[i].getElementsByTagName("Nama")[0].childNodes[0].nodeValue);
55     document.write("</td><td>");
56
57     document.write(x[i].getElementsByTagName("Kota")[0].childNodes[0].nodeValue);
58     document.write("</td><td>");
59 }
60 document.write("</table>");
61 </script>
62 </body>
63 </center>
64 </html>
```

XML



```
1 <?xml version="1.0"?>
2 <mahasiswa>
3 <ID>
4 <NIM> L00080001 </NIM>
5 <Nama> Agus Julianto </Nama>
6 <Kota> Solo </Kota>
7 </ID>
8 <ID>
9 <NIM> L00080002 </NIM>
10 <Nama> Joko Susilo </Nama>
11 <Kota> Boyolali </Kota>
12 </ID>
13 <ID>
14 <NIM> L00080003 </NIM>
15 <Nama> Fatimah </Nama>
16 <Kota> Solo </Kota>
17 </ID>
18 <ID>
19 <NIM> L00080004 </NIM>
20 <Nama> Eka Ramdani </Nama>
21 <Kota> Klaten </Kota>
22 </ID>
23 <ID>
24 <NIM> L00080005 </NIM>
25 <Nama> Paijo </Nama>
26 <Kota> Wonogori </Kota>
27 </ID>
28 </mahasiswa>
```

Output:

