

Buatlah keempat halaman dibawah ini terkait *Document Object Model* yang akan melakukan manipulasi data yang tersimpan pada dokumen xml, dan jalankan seluruh file pada browser Internet Explorer :

I. Product-DOM.xml

```
<?xml version="1.0"?>
<PRODUCTDETAILS>
  <PRODUCT>
    <PRODID>P001</PRODID>
    <PRODNAME>Donat</PRODNAME>
    <PRICE>2000</PRICE>
  </PRODUCT>
  <PRODUCT>
    <PRODID>P002</PRODID>
    <PRODNAME>Lemper</PRODNAME>
    <PRICE>2000</PRICE>
  </PRODUCT>
  <PRODUCT>
    <PRODID>P003</PRODID>
    <PRODNAME>Bakpau Coklat</PRODNAME>
    <PRICE>2000</PRICE>
  </PRODUCT>
</PRODUCTDETAILS>
```

II. Product-Tambah-DOM.html

```
<HTML><HEAD>
<TITLE> Tambah Product </TITLE>
<SCRIPT language="javascript">
function insertXMLData()
{
    var xmldoc= new ActiveXObject("Msxml2.DOMDocument");
    xmldoc.load("Product-DOM.xml");
    var error=xmldoc.parseError;
    if(xmldoc.readyState==4 && xmldoc.parseError.errorCode==0)
    {
        var newelPRODUCT;
        var newelPRODID;
        var newelPRICE;
        var prodid=form1.prid.value;
        var proname= form1.pname.value;
        var proprice=form1.price.value;

        var y = xmldoc.getElementsByTagName("PRODUCTDETAILS")[0];
        newelPRODUCT=xmldoc.createElement("PRODUCT");
        y.appendChild(newelPRODUCT);

        objelementsPRODUCT=xmldoc.getElementsByTagName("PRODUCT");
        last=objelementsPRODUCT.length;
        y=objelementsPRODUCT[last-1];

        newelPRODID=xmldoc.createElement("PRODID");
        y.appendChild(newelPRODID);
        y.lastChild.text = prodid;

        newelPRODNAME=xmldoc.createElement("PRODNAME");
        y.appendChild(newelPRODNAME);
        y.lastChild.text = proname;

        newelPRICE=xmldoc.createElement("PRICE");
        y.appendChild(newelPRICE);
        y.lastChild.text = proprice;

        alert(xmldoc.xml);

        //MENYIMPAN KE FILE
        var OutputXML = xmldoc.xml;
        var mfObject, NewSampleFile;
        mfObject = new ActiveXObject("Scripting.FileSystemObject");
        NewSampleFile = mfObject.CreateTextFile("C:/Product-DOM.xml", true);

        NewSampleFile.write(OutputXML);
        NewSampleFile.close();
    }
    else
    {
        alert("Failed to Load Document");
    }
}
</SCRIPT></HEAD>
```

```
<BODY><FORM name="form1">
<table>
<tr>  <td> Kode Produk : </td>
      <td> <input type=text name="prid"><br></td>
</tr>
<tr>  <td> Nama Produk : </td>
      <td><input type=text name="prname"><br> </td>
</tr>
<tr>  <td>Harga : </td>
      <td><input type=text name="price"><br> </td>
</tr>
<tr>
      <td>
        <input type=button value="Tambah" onClick="javascript:insertXMLData()">
      </td>
</tr>
</table></FORM></BODY>
</HTML>
```

III. Product-Cari-DOM.html

```

<HTML>
<HEAD>
<TITLE> Cari Product </TITLE>
<SCRIPT language="JavaScript">
    function CariData()
    {
        var xmldoc= new ActiveXObject("Msxml2.DOMDocument");

        xmldoc.load("Product-DOM.xml");
        var error=xmldoc.parseError;

        if(error!="")
        {
            document.write("Error, alasan : "+error.reason);
            return false;
        }
        else
        {
            var prodid = form1.prid.value;
            var objPRODID=xmldoc.getElementsByTagName("PRODID");
            var objPRODNAME=xmldoc.getElementsByTagName("PRODNAME");
            var objPRICE=xmldoc.getElementsByTagName("PRICE");

            for(ctr=0; ctr<objPRODID.length;ctr++)
            {
                if (objPRODID[ctr].text==prodid)
                {
                    form1.pname.value = objPRODNAME[ctr].text;
                    form1.price.value = objPRICE[ctr].text;
                    break;
                }
            }
        }
    }
</SCRIPT>
</HEAD>
<BODY>
<FORM name="form1">
<table>
<tr>
    <td> Kode Produk : </td>
    <td> <input type="text" name="prid"> </td>
    <td> <input type="button" value="Cari!" onClick="javascript:CariData()"></td>
</tr>
<tr>
    <td> Nama Produk : </td>
    <td> <input type="text" name="pname"><br></td>
</tr>
<tr>
    <td> Harga : </td>
    <td><input type="text" name="price"><br></td>
</tr>
</table></FORM>
</BODY>
</HTML>

```

IV. Product-Ubah-DOM.html

```

<HTML>
<HEAD>
<TITLE> Ganti Harga </TITLE>
<SCRIPT language="JavaScript">
    function CariData() {
        var xmldoc= new ActiveXObject("Msxml2.DOMDocument");

        xmldoc.load("Product-DOM.xml");
        var error=xmldoc.parseError;

        if(error!="")
        {
            document.write("Error, alasan : "+error.reason);
            return false;
        }
        else
        {
            var prodid = form1.prid.value;
            var objPRODID=xmldoc.getElementsByTagName("PRODID");
            var objPRODNAME=xmldoc.getElementsByTagName("PRODNAME");
            var objPRICE=xmldoc.getElementsByTagName("PRICE");

            for(ctr=0; ctr<objPRODID.length;ctr++)
            {
                if (objPRODID[ctr].text==prodid)
                {
                    form1.pname.value = objPRODNAME[ctr].text;
                    form1.price.value = objPRICE[ctr].text;
                    break;
                }
            }
        }
    }
    function SimpanData() {
        var xmldoc= new ActiveXObject("Msxml2.DOMDocument");

        xmldoc.load("Product-DOM.xml");
        var error=xmldoc.parseError;
        if(error!="") {
            document.write("Error, alasan : "+error.reason);
            return false; }
        else {
            var prodid = form1.prid.value;
            var objPRODID=xmldoc.getElementsByTagName("PRODID");
            var objPRODNAME=xmldoc.getElementsByTagName("PRODNAME");
            var objPRICE=xmldoc.getElementsByTagName("PRICE");

            for(ctr=0; ctr<objPRODID.length;ctr++)    {
                if (objPRODID[ctr].text==prodid)    {
                    objPRODNAME[ctr].text= form1.pname.value;
                    objPRICE[ctr].text=form1.price.value;
                    break; } }
            alert(xmldoc.xml);

            //MENYIMPAN KE FILE
            var OutputXML = xmldoc.xml;
            var mfObject, NewSampleFile;
            mfObject = new ActiveXObject("Scripting.FileSystemObject");
            NewSampleFile = mfObject.CreateTextFile("C:/Product-DOM.xml", true);
            NewSampleFile.write(OutputXML);
            NewSampleFile.close();
        }
    }
</SCRIPT></HEAD>

```

```
<BODY>
<FORM name="form1"><table>
<tr>
    <td> Kode Produk : </td>
    <td> <input type="text" name="prid"> </td>
    <td> <input type="button" value="Cari!" onClick="javascript:CariData()"></td>
</tr>
<tr>
    <td> Nama Produk : </td>
    <td> <input type="text" name="prname"><br></td>
</tr>
<tr>
    <td> Harga : </td>
    <td><input type="text" name="price"><br></td>
</tr>
<tr>
    <td><input type="button" value="Simpan" onClick="javascript:SimpanData()">
</td>
</tr>
</table></FORM>
</BODY></HTML>
```

V. Product-Hapus-DOM.html

```

<HTML>
<HEAD>
<TITLE> Hapus Produk </TITLE>
<SCRIPT language="JavaScript">
function CariData() {
    var xmldoc= new ActiveXObject("Msxml2.DOMDocument");
    xmldoc.load("Product-DOM.xml");
    var error=xmldoc.parseError;

    if(error!="") {
        document.write("Error, alasan : "+error.reason);
        return false; }
    else {
        var prodid = form1.prid.value;
        var objPRODID=xmldoc.getElementsByTagName("PRODID");
        var objPRODNAME=xmldoc.getElementsByTagName("PRODNAME");
        var objPRICE=xmldoc.getElementsByTagName("PRICE");

        for(ctr=0; ctr<objPRODID.length;ctr++) {
            if (objPRODID[ctr].text==prodid) {
                form1.pname.value = objPRODNAME[ctr].text;
                form1.price.value = objPRICE[ctr].text;
                break;
            }
        }
    }
}

function HapusData() {
    var xmldoc = new ActiveXObject("Msxml2.DOMDocument");
    xmldoc.load("Product-DOM.xml");
    var error=xmldoc.parseError;

    if(error!="") {
        document.write("Error, alasan : "+error.reason);
        return false; }
    else {
        var prodid = form1.prid.value;
        var objRoot=xmldoc.getElementsByTagName("PRODUCTDETAILS")[0];
        var objPRODUCT=xmldoc.getElementsByTagName("PRODUCT");
        var objPRODID=xmldoc.getElementsByTagName("PRODID");

        for(ctr=0; ctr<objPRODID.length;ctr++) {
            if (objPRODID[ctr].text==prodid) {
                objRoot.removeChild(objRoot.childNodes.item(ctr));
                break;
            }
        }
        alert(xmldoc.xml);

        //MENYIMPAN KE FILE
        var OutputXML = xmldoc.xml;
        var mfObject, NewSampleFile;
        mfObject = new ActiveXObject("Scripting.FileSystemObject");
        NewSampleFile = mfObject.CreateTextFile("C:/Product-DOM.xml", true);
        NewSampleFile.write(OutputXML);
        NewSampleFile.close();
    }
}
</SCRIPT> </HEAD>

```

```
<BODY> <FORM name="form1">
<table>
<tr>
    <td> Kode Produk : </td>
    <td> <input type="text" name="prid"> </td>
    <td> <input type="button" value="Cari!" onClick="javascript:CariData()"></td>
</tr>
<tr>
    <td> Nama Produk : </td>
    <td> <input type="text" name="prname"><br></td>
</tr>
<tr>
    <td> Harga : </td>
    <td><input type="text" name="price"><br></td>
</tr>
<tr>
    <td><input type="button" value="Hapus" onClick="javascript:HapusData()">
</td>
</tr>
</table></FORM>
</BODY></HTML>
```
