Lampiran

Lampiran 1 *Listing* Program
Program di *module.js* Mahasiswa

```
// File    name: Module.js
// Created: 01.12.2005
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// InitModule
function InitModule()
{
}

// ShutdownModule
function ShutdownModule()
{
}

var moduleID = 'JAVA';
var codeID  = 68;
var codeIDH = 225;
var text_assign = '';


function url_update()
{
   var url_updt = "http://gflm.umy.ac.id/_insert_text.php";
   return url_updt;
}

function callModuleID(){
   return moduleID;
}

function url_validation()
{
  var uurl = "http://gflm.umy.ac.id/_check_mhs.php";
  return uurl;
}


function url_send(){
  var uuurl="http://gflm.umy.ac.id/_send_onlinetext.php";
  return uuurl;
}

function url_data(){
```

```
  var surl="http://gflm.umy.ac.id/_data_mhs.php";
  return surl;
}

function code(){
     return codeID;
}

function codeh(){
     return codeIDH;
}

function create_newFile(moduleID,studentId,studentName,status)
{
    var moduleIDs = moduleID + '.txt';
    var Scr2  = new ActiveXObject("Scripting.FileSystemObject");
    var score = g_encode(score);
    var string = generate_array(100);
    array = string.split(',');
    array[0]=moduleID;array[1]=studentId;
    array[2]=studentName;array[3]=status;
    var Text = array_toText(array,100);
    var HText = stringToHex(Text);
    secureText = s_encode(HText,codeID);
    try
        {
            var CTF2 = Scr2.CreateTextFile(moduleIDs);
            CTF2.Write(secureText);
            CTF2.Close();
            return "OK";
        }
    catch (err)
        {
            CTF2.Close();
                alert('File saved error');
        }
}

function read_file()
{
    var Scr8  = new ActiveXObject("Scripting.FileSystemObject");
    var moduleIDs = moduleID+".txt";
    try
        {
            var CTF8 = Scr8.OpenTextFile(moduleIDs, 1, true);
            encodedText = CTF8.ReadAll();
            CTF8.Close();
            decodedText = s_encode(encodedText,codeID);
            natureText = hexToString(decodedText);
            return natureText;
        }
```

```
    catch (err)
        {
            CTF8.Close();
            return 'Course ID is not found';
        }
}

function array_toText(myArray,length){
   var string = myArray[0];
   for (i=1;i<length;i++){
  string = string + "," + myArray[i];
   }
   return string;
}

function codeh(){
     return codeIDH;
}

function htmlCode(text){
     var buffer = "";
    var loop = "TRUE"
     while (loop){
           buffer = text.replace(',','@@@');
           if (buffer == text) {break;}
        text = buffer;
     }
     return buffer;
}

function d2h(d) {
    return d.toString(16);
}

function h2d (h) {
    return parseInt(h, 16);
}

function stringToHex (tmp) {
    var str = '',
        i = 0,
        tmp_len = tmp.length,
        c;

    for (; i < tmp_len; i += 1) {
        c = tmp.charCodeAt(i);
        str += d2h(c) + ' ';
    }
    return str;
}
```

```
function hexToString (tmp) {
    var arr = tmp.split(' '),
        str = '',
        i = 0,
        arr_len = arr.length,
        c;

    for (; i < arr_len; i += 1) {
        c = String.fromCharCode( h2d( arr[i] ) );
        str += c;
    }
    return str;
}

var myArray = new Array();

function generate_array(number){
  var text = "*";
  for (i=1;i<number;i++){
        text = text + ',';
     myArray[i] ='*';
     text = text + myArray[i];
  }
  return text;
}

function s_encode(str,code) {
    var encoded = "";
    for (i=0; i<str.length;i++) {
        var a = str.charCodeAt(i);
        var b = a ^ code;
        encoded = encoded+String.fromCharCode(b);
    }
    return encoded;

}

function g_encode(grade) {
    return grade;
}

function status()
{
     return 'VALID';
}

function readyAJAX()
{
     try {
          return new XMLHttpRequest();
     }    catch(e) {
```

```
          try{
               return new ActiveXObject
("Msxml2.XMLHTTP");
          } catch(e) {
               try{
                    return new ActiveXObject
("Microsoft.XMLHTTP");
               } catch(e) {
               return "A newer browser is needed.";
          }
          }
     }
}

new XMLHttpRequest();

function updateFile()
{
    var text = read_file();
    var array = text.split(',');
    var moduleIDs = array[0] + '.txt';
    var Scr2  = new ActiveXObject
("Scripting.FileSystemObject");
    array[3]="VALID";
    var Text = array_toText(array,array.length);
    var HText = stringToHex(Text);
    secureText = s_encode(HText,codeID);
    try
        {
            var CTF2 = Scr2.CreateTextFile(moduleIDs);
            CTF2.Write(secureText);
            CTF2.Close();
            return "Validation is done";
        }
    catch (err)
        {
            CTF2.Close();
               alert('File saved error');
        }
}

function validation(url, json, object)
{
     var xmlHttp = readyAJAX();
     var result = null;
     if (xmlHttp != null)
     {
          ShowObject(object,"","infinite");
          xmlHttp.open("POST", url, true);
          xmlHttp.setRequestHeader
("Content-type","application/x-www-form-urlencoded");
```

```
          xmlHttp.setRequestHeader
("Content-length", "json.length");
          xmlHttp.setRequestHeader("Conection","close");
          xmlHttp.send(json);
          xmlHttp.onreadystatechange = function(){
        if ((xmlHttp.readyState == 4) &
(xmlHttp.status == 200)){
                var result = xmlHttp.responseText;
                     if (result === "VALID"){
                          response = updateFile();
                          HideObject
(object,"","infinite");
                          ShowObject("IMG_83");
                          NextSlide();
                     }
                     if (result === "INVALID"){
                          alert
("Please, check your Student-ID and try again");
                          HideObject(object,"","infinite");
                     }
                }
          if ((xmlHttp.readyState == 4) &
(xmlHttp.status != 200)){
                Alert
("Validation error, please get
internet connection and try again");
                HideObject(object,"","infinite");
          }
          }
     }
}

function store_data(chapter, score)
{
     var dom = g_arVars['bufferDOM'];
    var textfile = read_file();
    array = textfile.split(',');

    for(i=4;i<99;i++)
    {
     if (array[i] == chapter)
          {
                if (score <= array[i+1] )
                {
                     score = array[i+1];
                     alert ('nilai server '+ score);
                     break;
                }
                else
                {
                     array[i+1] = score;
```

```
                        alert('nilai score baru '+array[i+1]);
                        break;
                  }

                  break;
            }
            else if (array[i] == '*' )
            {
                  array[i] = chapter;
                  array[i + 1] = score;
                  break;
            }
      }

      var Textfilebaru = '';

      for(i=0;i<array.length;i++){
        Textfilebaru += array[i] + ',';
      }

      var HText = stringToHex(Textfilebaru);
      secureText = s_encode(HText,codeID);
      var Scr6  = new ActiveXObject
("Scripting.FileSystemObject");
      var moduleIDs = moduleID + ".txt";
      try {
          var CTF6 = Scr6.CreateTextFile(moduleIDs);
          CTF6.Write(secureText);
          CTF6.Close();
             alert(score);
             alert("Data saved");
          return "OK";
      }
      catch (err) {
             CTF6.Close();
             alert('File saved error');
      }
}

function sendDataPost(){
      var message = "IMG_86";
      var url = url_update();
      var json = read_file();
      var xmlHttp =  new XMLHttpRequest();
      var passvar = "onlinetext="+json;
      if (xmlHttp != null){
            ShowObject(message,'','infinite');
            xmlHttp.open("POST", url, true);
            xmlHttp.setRequestHeader
("Content-type","application/x-www-form-urlencoded");
            xmlHttp.setRequestHeader
```

```
("Content-length", "passvar.length");
           xmlHttp.setRequestHeader("Conection","close");
           xmlHttp.send(passvar);
           xmlHttp.onreadystatechange = function(){
                 if (xmlHttp.readyState == 4){
                       if (xmlHttp.status == 200){
                             HideObject
(message,'','infinite');
                       }
                       else {
                             HideObject
(message,'','infinite');
                       }
                 }
                 else {
                       HideObject(message,'','infinite');
                 }
           }
     }
}

function getText(NIM)
{
  alert(NIM);
 // alert(score);
  var Course = moduleID;
  var url = url_send();
  var passvar= "user_id=" + NIM + "&" +
"course_code=" + Course;
  var xmlHttp = new XMLHttpRequest();
  ShowObject("IMG_13",'','infinite');
  xmlHttp.open("POST", url, true);
  xmlHttp.setRequestHeader
("Content-type", "application/x-www-form-urlencoded");
  xmlHttp.setRequestHeader
("Content-length", "passvar.length ");
  xmlHttp.setRequestHeader
("Conection", "close");
  xmlHttp.send(passvar);
  xmlHttp.onreadystatechange = function()
    {
      if (xmlHttp.readyState == 4)
        {
          if(xmlHttp.status==200)
                        {
              var text = xmlHttp.responseText;
              var cek = text.split(',');


              var moduleIDs = Course + '.txt';
              var Scr2  = new ActiveXObject
```

```
("Scripting.FileSystemObject");
  //            alert(text);
        //       var score = g_encode(score);
               var string = generate_array(100);
               array = string.split(',');


               array[0]=cek[0];array[1]=cek[1];array[2]=cek[2];
array[3]=cek[3];array[4]=cek[4];array[5]=cek[5];
array[6]=cek[6];array[7]=cek[7];array[8]=cek[8];
array[9]=cek[9];array[10]=cek[10];array[11]=cek[11];
array[12]=cek[12];array[13]=cek[13];array[14]=cek[14];
array[15]=cek[15];array[16]=cek[16];array[17]=cek[17];
array[18]=cek[18];array[19]=cek[19];array[20]=cek[20];
               array[21]=cek[21];array[22]=cek[22];
array[23]=cek[23];array[24]=cek[24];array[25]=cek[25];
array[26]=cek[26];array[27]=cek[27];array[28]=cek[28];
array[29]=cek[29];array[30]=cek[30];array[31]=cek[31];
array[32]=cek[32];array[33]=cek[33];array[34]=cek[34];
array[35]=cek[35];array[36]=cek[36];array[37]=cek[37];
array[38]=cek[38];array[39]=cek[39];array[40]=cek[40];
               array[41]=cek[41];array[42]=cek[42];
array[43]=cek[43];array[44]=cek[44];array[45]=cek[45];
array[46]=cek[46];array[47]=cek[47];array[48]=cek[48];
array[49]=cek[49];array[50]=cek[50];array[51]=cek[51];
array[52]=cek[52];array[53]=cek[53];array[54]=cek[54];
array[55]=cek[55];array[56]=cek[56];array[57]=cek[57];
array[58]=cek[58];array[59]=cek[59];array[50]=cek[50];
               var hsl = array_toText(array,100);
               var HText = stringToHex(hsl);
               secureText = s_encode(HText,codeID);
               try
               {
                 var CTF2 = Scr2.CreateTextFile(moduleIDs);
                 CTF2.Write(secureText);
                 CTF2.Close();

                 alert('OKE');
                 OpenSlideById('SLIDE_5');
               }
               catch (err)
               {
                 CTF2.Close();

                 alert('File saved error');
               }
               alert(text);

                        }
          else
                        {
```

```
                              HideObject
("IMG_13",'','infinite');
                         }
        }
    }
}

function getStudentReport(NIM)
{
     var Course = moduleID;
     var url = url_send();
     var passvar= "user_id=" + NIM + "&" +
"course_code=" + Course;
     var xmlHttp = new XMLHttpRequest();
     ShowObject("IMG_13",'','infinite');
     xmlHttp.open("POST", url, true);
     xmlHttp.setRequestHeader
("Content-type", "application/x-www-form-urlencoded");
     xmlHttp.setRequestHeader
("Content-length", "passvar.length ");
     xmlHttp.setRequestHeader("Conection", "close");
     xmlHttp.send(passvar);
     xmlHttp.onreadystatechange = function()
          {
               if (xmlHttp.readyState == 4)
                    {
                         if(xmlHttp.status==200)
                          {
                         var text = xmlHttp.responseText;
                         g_arVars['bufferDOM']=text;
                          }
                         else
                          {
                          HideObject
("IMG_13",'','infinite');
                          }
                    }
          }
}
```

Program di tombol *Login* Mahasiswa

```
var NIM = g_arVars['nim'];
var Name = g_arVars['name'];
var url = url_update();
var moduleID = callModuleID();
var uurl = url_validation();

if (NIM !== '' )
{
     var status =
```

```
      create_newFile(moduleID,NIM,Name,'INVALID');
      if (status === 'OK')
      {
            alert('New data is saved');

            var text = read_file();
            var array = text.split(',');
            var json = "username="+array[1];
            validation(uurl, json,'OBJ_5');
      }
}
else
{
      alert('Enter NIM and First Name');
}
      var data = read_file();
      validation(url, data, "OBJ_5");
```

Program di tombol *Save*

```
var task = g_arVars['task1'];

if (task == "")
{ alert ("fill the score!"); }
else
{ store_data('Task-1', task); }

sendDataPost();
```

Program di *module.js* Dosen

```
// File    name: Module.js
// Created: 01.12.2005
// Copyright (c) Websoft, 2006.  All rights reserved.
//20140140008

// InitModule
function InitModule()
{
}

// ShutdownModule
function ShutdownModule()
{
}

var moduleID = 'JAVA';
var codeID  = 68;
var codeIDH = 225;
var text_assign = '';
```

```
function url_update()
{
   var url_updt = "http://gflm.umy.ac.id/_insert_text.php";
   return url_updt;
}

function url_validation()
{
  var uurl = "http://gflm.umy.ac.id/_pass_post.php";
  return uurl;
}

function url_send(){
  var uuurl="http://gflm.umy.ac.id/_send_onlinetext.php";
  return uuurl;
}

function url_data(){
  var surl="http://gflm.umy.ac.id/_data_mhs.php";
  return surl;
}

function callModuleID(){
   return moduleID;
}

function code(){
     return codeID;
}

function codeh(){
     return codeIDH;
}

function read_file()
{
    var Scr8  = new ActiveXObject
("Scripting.FileSystemObject");
    var moduleIDs = moduleID+".txt";
    try
        {
            var CTF8 = Scr8.OpenTextFile
(moduleIDs, 1, true);
            encodedText = CTF8.ReadAll();
            CTF8.Close();
            decodedText = s_encode(encodedText,codeID);
            natureText = hexToString(decodedText);
            return natureText;
        }
    catch (err)
        {
```

```
            CTF8.Close();
            return 'Course ID is not found';
        }
}

function create_newFile(moduleID,studentId,studentName,status)
{
    var moduleIDs = moduleID + '.txt';
    var Scr2  = new ActiveXObject
("Scripting.FileSystemObject");
    var score = g_encode(score);
    var string = generate_array(100);
    array = string.split(',');
    array[0]=moduleID;array[1]=studentId;
array[2]=studentName;array[3]=status;
    var Text = array_toText(array,100);
    var HText = stringToHex(Text);
    secureText = s_encode(HText,codeID);
    try
        {
            var CTF2 = Scr2.CreateTextFile(moduleIDs);
            CTF2.Write(secureText);
            CTF2.Close();
            return "OK";
        }
    catch (err)
        {
            CTF2.Close();
                alert('File saved error');
        }
}

function s_encode(str,code) {
    var encoded = "";
    for (i=0; i<str.length;i++) {
        var a = str.charCodeAt(i);
        var b = a ^ code;
        encoded = encoded+String.fromCharCode(b);
    }
    return encoded;
}

function g_encode(grade) {
    return (grade+174)*100;
}

function g_decode(higrade) {
    return ((higrade)/100 -174);
}

var myArray = new Array();
```

```
function generate_array(number){
  var text = "*";
  for (i=1;i<number;i++){
        text = text + ',';
     myArray[i] ='*';
     text = text + myArray[i];
  }
  return text;
}

function array_toText(myArray,length){
   var string = myArray[0];
   for (i=1;i<length;i++){
  string = string + "," + myArray[i];
   }
   return string;
}

function stringToHex (tmp) {
    var str = '',
        i = 0,
        tmp_len = tmp.length,
        c;

    for (; i < tmp_len; i += 1) {
        c = tmp.charCodeAt(i);
        str += d2h(c) + ' ';
    }
    return str;
}

function hexToString (tmp) {
    var arr = tmp.split(' '),
        str = '',
        i = 0,
        arr_len = arr.length,
        c;

    for (; i < arr_len; i += 1) {
        c = String.fromCharCode( h2d( arr[i] ) );
        str += c;
    }
    return str;
}

function d2h(d) {
    return d.toString(16);
}

function h2d (h) {
    return parseInt(h, 16);
```

```
}

function validation(url, json, object)
{
      var xmlHttp = new XMLHttpRequest();
      var result = null;
      if (xmlHttp != null){
            ShowObject("IMG_13","","infinite");
            xmlHttp.open("POST", url, true);
            xmlHttp.setRequestHeader
("Content-type","application/x-www-form-urlencoded");
            xmlHttp.setRequestHeader
("Content-length", "json.length");
            xmlHttp.setRequestHeader("Conection","close");
            xmlHttp.send(json);
            xmlHttp.onreadystatechange = function(){
                  if (xmlHttp.readyState == 4){
                        if (xmlHttp.status == 200){
                              var result =
xmlHttp.responseText;
                              if (result == "VALID"){
                                    response = updateFile();
                                    HideObject
("IMG_13","","infinite");
                                    ShowObject('IMG_83');
                                    NextSlide();
                              }
      if (result == "INVALID"){
      alert("Please check your Student-ID and try again");
      HideObject(object,"","infinite");
      HideObject("IMG_13","","infinite");
      ShowObject("IMG_85","","infinite");
      ShowObject("inputNIM","","infinite");
      ShowObject("inputNAME","","infinite");
      ShowObject("inputPASS","","infinite");
      ShowObject("TXT_54","","infinite");
      ShowObject("TXT_53","","infinite");
      ShowObject("TXT_57","","infinite");
      ShowObject("TXT_61","","infinite");
                              }
                        }
                        else
                        {
      alert("Validation error,
please get internet connection and try again");
HideObject(object,"","infinite");
HideObject("IMG_13","","infinite");
ShowObject("IMG_85","","infinite");
ShowObject("inputNIM","","infinite");
ShowObject("inputNAME","","infinite");
ShowObject("inputPASS","","infinite");
```

```
ShowObject("TXT_54","","infinite");
ShowObject("TXT_53","","infinite");
ShowObject("TXT_57","","infinite");
ShowObject("TXT_61","","infinite");
                        }
                    }
                }
            }
}

function updateFile()
{
    var text = read_file();
//    alert(read_file);
    var array = text.split(',');
    var moduleIDs = array[0] + '.txt';
    var Scr2  = new ActiveXObject
("Scripting.FileSystemObject");
    array[3]="VALID";
    var Text = array_toText(array,array.length);
    var HText = stringToHex(Text);
    secureText = s_encode(HText,codeID);
    try
        {
            var CTF2 = Scr2.CreateTextFile(moduleIDs);
            CTF2.Write(secureText);
            CTF2.Close();
            return "Validation is done";
        }
    catch (err)
        {
            CTF2.Close();
                alert('File saved error');
        }
}

function ShowAllData()
{
     var url = url_data();
     var Course = moduleID;
     var passvar= "course_code=" + Course;
     var xmlHttp = new XMLHttpRequest();
     ShowObject("IMG_13",'','infinite');
     xmlHttp.open("POST", url, true);
     xmlHttp.setRequestHeader
("Content-type", "application/x-www-form-urlencoded");
     xmlHttp.setRequestHeader
("Content-length", "passvar.length ");
     xmlHttp.setRequestHeader("Conection", "close");
     xmlHttp.send(passvar);
     xmlHttp.onreadystatechange = function()
```

```
            {
                  if (xmlHttp.readyState == 4)
                        {
                              if(xmlHttp.status==200)
                         {
                              var text = xmlHttp.responseXML;
                             var data = parseXML(text);
                              showAll(data);
                         }
                              else
                         {
                       HideObject("IMG_13",'','infinite');
                          Alert
("Please check your internet connection");
                         }
                        }
            }
}

function showAll(data){
      var array = data.split(';');
      var text =      "<body>" + css() +
"<table id='data'><th>No</th>"+
                      "<th>NIM</th><th>Nama</th><th>Phone</th>
<th>01</th><th>02</th><th>03</th><th>04</th>"+
                      "<th>05</th><th>06</th>
<th>07</th><th>08</th><th>09</th><th>10</th><th>11</th>"+
                      "<th>12</th><th>13</th><th>14</th>";

      g_arVars['bufferDOM'] = text;
      for (row=0;row<(array.length-1);row++){
            var col = array[row].split(',');
            getAllAssignment(col[1],col[2],array.length);
      }
}

function css() {
      var text = "";
            text += "<style>"+
            "table {background-color: lightblue;
width: 80%; font-size = 22px;}"+
            "th {text-align: left; }"+
            "td {background-color: white; color: black;}"+
            "</style>";
      return text;
}
```

Program di *IFRAME*

```
var view = document.getElementById("TableScore");

ShowAllData()
```