LAMPIRAN

Hasil Kuisoner Kalayak Aplikasi

Informasi yang disediakan oleh aplikasi mudah dimengerti

30 responses

- Sangat tidak setuju
- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju
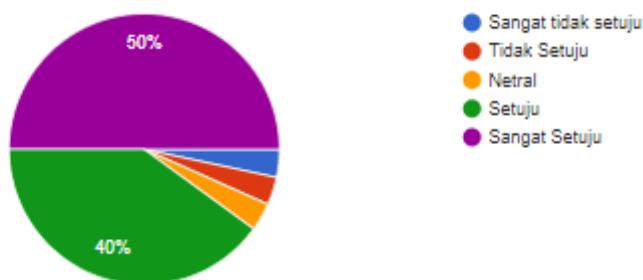
Anda bisa belajar dimanapun dan kapanpun

30 responses

- Sangat tidak setuju
- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju
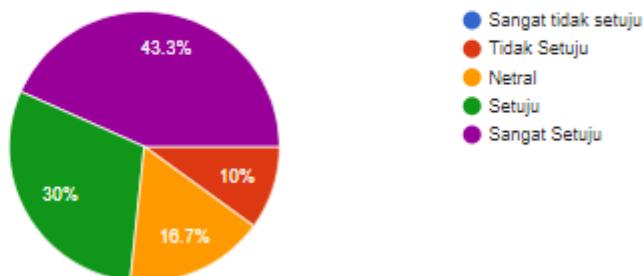
Tampilan layar menarik

30 responses

- Sangat tidak setuju
- Tidak Setuju
- Netral
- Setuju
- Sangat Setuju
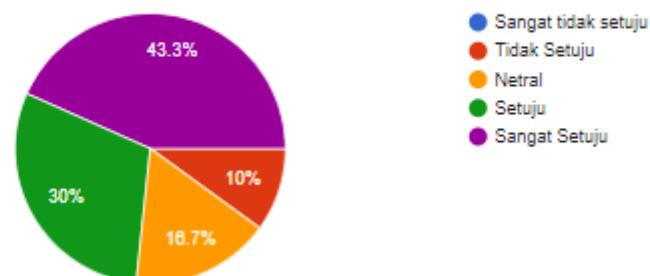
Soal Digital *Marketing THINK*

1. Suatu cara untuk mempromosikan sebuah produk secara digital yang berfungsi untuk meningkatkan hasil usaha adalah..
   a. SWOT
   b. Brand Awareness
   c. Pemasaran digital
   d. Riset Online

2. Dibawah ini yang termasuk dalam faktor strategi pemasaran adalah..
   a. Call To Action
   b. Prospect
   c. Product
   d. Content Creation

3. Pentingnya riset pasar yaitu untuk?
   a. Menjaga produk tetap terkini untuk memenuhi kebutuhan pelanggan.
   b. Meningkatkan hasil penjualan.
   c. Mengurangi pengeluaran yang kurang kondusif.
   d. Meningkatkan kinerja sdm pada perusahaan.

4. Dibawah ini yang perlu diperhatikan pada pembuatan konten, kecuali..
   a. Belajar dari penerbit
   b. Perencanaan Konten
   c. Model Konten
   d. Produk

5. Dibawah ini yang termasuk ke dalam riset online, kecuali..
   a. Survei kuisoner
   b. Pemantauan online
   c. Interview secara langsung
   d. Kelompok fokus online

6. Kunci utama pada distribusi konten pada digital marketing adalah..
   a. Seringnya penerbitan konten
   b. Kualitas dan penempatan konten
   c. Sesuai target pasar
   d. Konten marketing

7. Dibawah ini adalah langkah untuk strategi pemasaran konten, kecuali..
   a. Perencanaan konten
   b. Produksi konten
   c. Publikasi konten
   d. Analisa konten

8. Dibawah ini yang tidak termasuk didalam SWOT analisis adalah..
   a. Kekuatan bisnis
   b. Kelemahan bisnis
   c. Peluang bisnis
   d. Keunikan bisnis

9. Ada berbagai macam cara untuk melakukan riset online, salah satunya dilakukan dengan cara?
   a. Komunitas penelitan online
   b. Interview langsung
   c. Riset pasar langsung
   d. Pengujian langsung

10. Melakukan riset dengan membentuk grup yang terdiri dari 15 orang atau lebih dengan 1 moderator dan 3 peneliti disebut dengan?
   a. Observasi
   b. Percobaan Lab
   c. Interview secara sersonal
   d. Komunitas penelitian online

Soal Digital *Marketing CREATE*

1. Dibawah ini urutan pemasaran yang baik dan benar adalah..
   a. Think, Create, Engage, Evaluation
   b. Create, Think, Evaluation, Optimise
   c. Think, Create, Engage, Optimise
   d. Create, Think, Optimise, Evaluation

2. Langkah-langkah membuat desain UX yang benar adalah, kecuali..
   a. Pengujian
   b. Buat struktur dasar situs
   c. Membangun navigasi
   d. Evaluasi

3. Font warna merah pada sebuah web berfungsi untuk?
   a. Hyperlink
   b. Tindakan yang berhasil
   c. Status
   d. Peringatan atau kesalahan

4. Dibawah ini yang tidak termasuk bahasa pengembangan sebuah web adalah..
   a. CMS
   b. Bahasa sisi server
   c. Netbeans
   d. Bahasa front end

5. Copywriting adalah..
   a. Sebuah teknik menulis untuk membuat pembaca memberikan respon yang diinginkan pembuat.
   b. Menyalin sebuah penulisan untuk dipindahkan ke sebuah media sosial.
   c. Membuat tulisan yang menarik perhatian pengguna.
   d. Sebuah teknik menulis untuk menyalin sebuah tulisan dari orang lain agar tidak dikenai hak cipta.

6. Arti penting dari SEO *(search engine optimisation)* pada digital marketing yaitu..
   a. Untuk mencari keyword yang diinginkan user.
   b. Meningkatkan peringkat pencarian situs web pada halaman pencari.
   c. Pembuatan sebuah halaman pencarian.
   d. Untuk menyalin hasil keyword yang dicari.

7. Mobile development adalah..
   a. Pengembangan aplikasi ponsel untuk mempertimbangkan serangkaian spesifikasi perangkat.
   b. Perakitan sebuah handphone untuk dijadikan alat testing aplikasi.
   c. Pembuatan aplikasi yang dipertimbangkan untuk digital marketing.
   d. Pengajuan sebuah perangkat yang digunakan untuk riset marketing.

8. Fungsi situs web pada digital marketing yaitu..
   a. Untuk memperkenalkan suatu website.
   b. Untuk mempromosikan sebuah bisnis dengan situs web.
   c. Untuk membuat situs web yang fungsional.
   d. Untuk merapikan sebuah situs web agar dapat menarik perhatian user.

9. Fungsi desain user experience yaitu..
   a. Untuk merapikan sebuah tampilan desain.
   b. Untuk membuat sebuah desain yang bagus.
   c. Untuk memperkenalkan bisnis hingga dapat menarik perhatian user.
   d. Untuk memberikan pengalaman penggunaan aplikasi yang tidak dilupakan.

10. Font warna biru pada sebuah web berfungsi untuk?
   a. Hyperlink
   b. Tindakan yang berhasil
   c. Status
   d. Peringatan atau kesalahan

Tabel Hasil *Pretest* Kelas Buku (PDF)

1	Nama	NIM	Kelas	Skor Akhir
2	Andri Fanky Kurniawan	20190140087	C	15
3	Abdil Tegar Arifin	20190140086	C	20
4	Amalia Husna	20190140096	C	20
5	Aqfa Allowdya Diamytara	20190140090	C	20
6	Dahlan Firdaus	20190140079	C	20
7	Damar Saputra	20190140100	C	20
8	Denny Tri Utomo	20190140074	C	20
9	Elfandira Ade Hidayat	20190140091	C	20
10	Maufal Dzakwan	20190140080	C	25
11	Raffi Rahwanda	20190140094	C	25
12	Faysal Fadel Maulana	20190140097	C	30
13	Anisa Nurfadila Dwi Karina	20190140072	C	35
14	Indra Setyo Wibowo	20190140077	C	35
15	M. Fariza	20190140098	C	35
16	Yusuf Zidane Rukmanda	20190140083	C	35
17	Denise N.W.	20190140082	C	45
18	Prasetyo Nur Hidayat	20190140089	C	45
19	Raditya Pratama Putra	20190140101	C	45
20	Wisnu Dwi H.	20190140081	C	45
21	Rafi Aldiansyah Pelealu	20190140102	C	50
22	Restifa Dian Rahmawati	20190140075	C	50
23	Septi John D.S.	20190140099	C	50
24	Wean Nashrullah	20190140076	C	50
25	Eka Nova P.	20190140104	C	55
26	Media Ramadan	20190140093	C	55
27	Whildan Fajar Hidayat	20190140103	C	55
28	Melinda	20170140044	C	55
29	M. Hikmat F.R	20190140088	C	65
30	Pascal Pahlevi Pasha	20190140105	C	65
31	Yophang Difa Bagaskara	20190140063	C	65

Tabel Hasil *Postest* Kelas Buku (PDF)

1	Nama	NIM	Kelas	Skor Akhir
2	Andri Fanky Kurnia	20190140087	C	20
3	Amalia Husna	20190140096	C	20
4	Aqfa Allowdya Dia	20190140090	C	20
5	Maufal Dzakwan	20190140080	C	20
6	Abdil Tegar Arifin	20190140086	C	25
7	Damar Saputra	20190140100	C	30
8	Dahlan Firdaus	20190140079	C	35
9	Denny Tri Utomo	20190140074	C	35
10	Elfandira Ade Hida	20190140091	C	35
11	Raffi Rahwanda	20190140094	C	40
12	Faysal Fadel Maul	20190140097	C	40
13	Indra Setyo Wibow	20190140077	C	40
14	Yusuf Zidane Ruki	20190140083	C	40
15	Anisa Nurfadila Dw	20190140072	C	45
16	M. Fariza	20190140098	C	45
17	Denise N.W.	20190140082	C	45
18	Prasetyo Nur Hida	20190140089	C	50
19	Raditya Pratama F	20190140101	C	50
20	Wisnu Dwi H.	20190140081	C	50
21	Rafi Aldiansyah Pe	20190140102	C	50
22	Restifa Dian Rahm	20190140075	C	50
23	Septi John D.S.	20190140099	C	55
24	Eka Nova P.	20190140104	C	55
25	Media Ramadan	20190140093	C	55
26	Whildan Fajar Hida	20190140103	C	55
27	Melinda	20170140044	C	55
28	M. Hikmat F.R	20190140088	C	55
29	Wean Nashrullah	20190140076	C	60
30	Pascal Pahlevi Pa	20190140105	C	65
31	Yophang Difa Bag	20190140063	C	65

Tabel Hasil *Pretest* Kelas *Mobile Learning*

1	Nama	NIM	Kelas	Skor Akhir
2	Anggita Tyasmara	20190140121	D	10
3	Erlinda Efrilia	20190140124	D	15
4	Ahmad Qasim N.	20190140122	D	20
5	Al Ryzqy Amal Firdaus	20190140117	D	20
6	Dhimas Rizqi Akbar	20190140112	D	20
7	M. Alvito Hursyadi Auliansyah	20190140120	D	20
8	Febri Yansori Siregar	20190140114	D	25
9	M. Fahmi Rasyid	20190140106	D	25
10	Muh. Farid Hanief H.	20190140109	D	25
11	Zudys Sedyaksa	20190140140	D	30
12	Danisa Rahadian A.	20190140126	D	35
13	Happy Fimasriansyah Putra	20190140116	D	35
14	M. Wachid Muslih M.	20190140110	D	35
15	Muhammad Nazih Mahmudi	20190140115	D	35
16	Satria Wirabuana	20190140131	D	35
17	Muhammad Adrianto Fil	20190140118	D	40
18	Ilham Robbiansyah Sumarno	20190140135	D	45
19	Muhammad Anshori Akbar	20190140130	D	45
20	Mumtazul Fuadi Nasution	20190140119	D	45
21	Pebri Kurnia Sandi	20190140111	D	45
22	Rafif	20190140129	D	45
23	Seliesca Whidya Permata	20190140128	D	45
24	Muhammad Khozim A.	20190140123	D	50
25	Henthy Febri	20190140136	D	55
26	Muhammad Fajar Satria	20190140113	D	55
27	Nadzira Azzahra	20190140127	D	55
28	Rayoga Agus H.	20190140137	D	55
29	Zulva Fadillah Ma'ruf	20190140133	D	55
30	Muhammad Faris Fauzan	20190140134	D	60
31	Ridwan Nur Faizon	20190140125	D	65

Tabel Hasil *Postest* Kelas *Mobile Learning*

1	Nama	NIM	Kelas	Skor Create	Skor Think
2	Anggita Tyasmara	20190140121	D	5	20
3	Erlinda Efrilia	20190140124	D	5	25
4	Muh. Farid Hanief H.	20190140109	D	5	30
5	Dhimas Rizqi Akbar	20190140112	D	1	35
6	M. Fahmi Rasyid	20190140106	D	5	35
7	Danisa Rahadian A.	20190140126	D	6	40
8	M. Alvito Hursyadi Auliansyah	20190140120	D	4	45
9	Zudys Sedyaksa	20190140140	D	4	50
10	Happy Fimasriansyah Putra	20190140116	D	3	50
11	Muhammad Nazih Mahmudi	20190140115	D	5	50
12	Satria Wirabuana	20190140131	D	1	50
13	M. Wachid Muslih M.	20190140110	D	5	55
14	Muhammad Adrianto Fil	20190140118	D	3	55
15	Ilham Robbiansyah Sumarno	20190140135	D	7	55
16	Muhammad Anshori Akbar	20190140130	D	6	65
17	Mumtazul Fuadi Nasution	20190140119	D	4	65
18	Rafif	20190140129	D	3	65
19	Pebri Kurnia Sandi	20190140111	D	3	70
20	Muhammad Khozim A.	20190140123	D	3	70
21	Al Ryzqy Amal Firdaus	20190140117	D	3	75
22	Febri Yansori Siregar	20190140114	D	2	75
23	Seliesca Whidya Permata	20190140128	D	3	75
24	Rayoga Agus H.	20190140137	D	4	75
25	Zulva Fadillah Ma'ruf	20190140133	D	5	75
26	Ahmad Qasim N.	20190140122	D	5	80
27	Henthy Febri	20190140136	D	2	80
28	Nadzira Azzahra	20190140127	D	4	80
29	Muhammad Fajar Satria	20190140113	D	7	85
30	Muhammad Faris Fauzan	20190140134	D	2	90
31	Ridwan Nur Faizon	20190140125	D	3	90

Source Code Module.js Modul Dosen

```javascript
// InitModule

function InitModule()

{

}


// ShutdownModule

function ShutdownModule()

{

}


var moduleID = 'Think dan Create';


var courseIDa = 'Digital Marketing Think';

var courseIDb = 'Digital Marketing Create';


var text_assign = ';

var arrBuffers = new Array(6);

var newarrBuffers = new Array(6);

var number=0;

var sNim = ';

var nError = "Network Error";

var nameSort = "<a href='#' onClick='nSort();'>Nama</a></p>";

var hpSort = "<a href='#' onClick='hSort();'>WhatsApp</a></p>";


function codenumber(){

  return 'LM001DIGITALMARKETING';

}


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/_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 url_password(){
        var passCheck = "http://gflm.umy.ac.id/_pass_post.php";
        return passCheck;
}

function callModuleID(){
  return moduleID;
}

function callCourseCode(){
        courseID=localStorage.getItem('courseid');

        if ((courseID=='Kelas A')|(courseID=='undefined')){courseID=courseIDa;}
        if (courseID=='Kelas B'){courseID=courseIDb;}

if (courseID=='Kelas A'){courseID=courseIDa;}
  return courseID;
}

function codeh(){
  return codeIDH;
```

```
}


function nSort(){
        viewSort(1,1);
}


function hSort(){
        viewSort(2,2);
}


function read_file()
{
  try {
    return localStorage.getItem(moduleID);
  }
  catch (err) {
    return 'Course ID is not found';
  }
}


function create_newFile(moduleID,teacherId,teacherName,status){
        var string = generate_array(99);
  array = string.split(',');
  array[0]=moduleID;array[1]=teacherId;array[2]=teacherName;array[3]=status;
  var Text = array_toText(array,100);
  try
    {
                            localStorage.setItem(moduleID,Text);
      return "OK";
    }
  catch (err)
    {
      alert('File saved error');
    }

}
```

```
var myArray = new Array();

function generate_array(num){
  var text = "*";
  for (i=1;i<num;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 saveNext(){
          try {
      localStorage.setItem("varnext", true);
  }
  catch (e) { }
};


function clearNext(){
          var data = read_file();
          var dataArray = data.split(',');
          var code = dataArray[0];
          if (code!=moduleID){localStorage.clear();}
          try {
      localStorage.setItem("varnext", false);
  }
```

```
    catch (e) { }
};


function passValidation(url,json){
        CLO['Loading'].Show({ bMaster: true });
        $(document).ready(function(){
                $.ajax({
                        crossDomain: true,
                        url: url,
                        method: 'POST',
                        dataType: 'text',
                        data: json,
                        success: function (response) {
                                if (response == "VALID"){
        updateFile();
                                        CLO['Loading'].Hide({ bMaster: true });
        CL.Navigation.GoTo({sTargetType: "slide", sTargetDir: "next" });
        }
        if (response == "INVALID"){
          alert("Username atau Password tidak sah");
                                        CLO['Loading'].Hide({ bMaster: true });
        }
                                },
        error: function (error) {
                                //alert("Connection error, code: " + error.status);
                                }
        });
    });
}


function ShowAllData(code){
        CLO['Reload'].Show({ bMaster: true });
        var url = url_data();
    var Course = code;
    var json= "course_code=" + Course;
        $(document).ready(function(){
```

```
                    $.ajax({

                              crossDomain: true,

                              url: url,

                              method: 'POST',

                              dataType: 'xml',

                              data: json,

                              success: function (xml) {

                                        var data = parseXML(xml);

                                        CLO['Reload'].Hide({ bMaster: true });

                if (data==""){

                                                 CLO['Reload'].Hide({ bMaster: true });

                                                 alert("Data tidak ditemukan");

                                        }

                else {showAll(data);}

                              },

                              error: function (error) {

                                        //alert(nError);

                                        //CLO['Reload'].Hide({ bMaster: true });

                              }

            });

          });

}


function showAll(data){

    var array = data.split(';');

            var text =  "<body>" + css() + "<table id='data'><th>No</th>"+

            "<th>"+nameSort+"</th><th>"+hpSort+"</th><th>Jawaban</th>"+

                                        "<th>Skor</th>";

    g_arVars['bufferHTML'] = text;

    for (row=0;row<(array.length-1);row++){

       var col = array[row].split(',');

       getAllAssignment(col[0],col[1],col[2],(array.length-1));

    }

}


function getAllAssignment(phone,nim,name,max){
```

```
            CLO['Reload'].Show({ bMaster: true });

            var course = g_arVars['kode'];

    var url = url_send();

    var json= "user_id=" + nim + "&" + "course_code=" + course;

            $(document).ready(function(){

                    $.ajax({

                            crossDomain: true,

                            url: url,

                            method: 'POST',

                            dataType: 'text',

                            data: json,

                            success: function (response) {

                                    var dom = response;

            getScore(dom,phone,nim,name,max);

                            },

                            error: function (error) {

                                    //CLO['Reload'].Hide({ bMaster: true });

                                    //alert(nError);

                            }

        });

    });

}


function store_data(dom,chapter,score)

{

    var array = dom.split(',');

    var counter = 0;

    for(i=4;i<99;i++)

    {

        if ((array[i] == '*' ) | (array[i] == chapter)|(array[i] == 'undefined' ))

        {

            counter = i;

            break;

        }

    }

    var Textfilebaru = '';
```

```
        array[counter + 2] = score;

      for(i=0;i<array.length;i++){

         Textfilebaru += array[i] + ',';

      }

      try {

         localStorage.setItem('currentDom',Textfilebaru);

         return "OK";

      }

      catch (err) {

         alert('File saved error');

      }

}


function getForUpdate(score){

            CLO['Reload'].Show({ bMaster: true });

            var NIM = localStorage.getItem('currentNim');

            var Course = callCourseCode();

      var url = url_send();

      var passvar= "user_id=" + NIM + "&" + "course_code=" + Course;

            $(document).ready(function(){

                  $.ajax({

                        crossDomain: true,

                        url: url,

                        method: 'POST',

                        dataType: 'text',

                        data: passvar,

                        success: function (response){

                              localStorage.setItem('currentDom',response);

                              updateScore(score);

                        },

                        error: function (error) {

                              alert(nError);

                              CLO['Reload'].Hide({ bMaster: true });

                        }

                  });

            });
```

```
}

function updateScore(score){

        CLO['Reload'].Show({ bMaster: true });

        var Course = callCourseCode();

        var NIM = localStorage.getItem('currentNim');

        var dom = localStorage.getItem('currentDom');

        var thisChapter=localStorage.getItem('currentChapter');

        var saved = store_data(dom,thisChapter,score);

        var dom = localStorage.getItem('currentDom');

        if (saved=='OK'){

                var url = url_update();;

                var passvar = "onlinetext="+localStorage.getItem('currentDom');

                $(document).ready(function(){

                        $.ajax({

                                crossDomain: true,

                                url: url,

                                method: 'POST',

                                type: 'text',

                                data: passvar,

                                success: function (response) {

                                        alert('Score Updated');

                                        CLO['Reload'].Hide({ bMaster: true });

                                },

                                error: function () {

                                        alert(nError);

                                        CLO['Reload'].Hide({ bMaster: true });

                                }

                        });

                });

        }

}


function showTugas(tugas,nim,name,phone){

        localStorage.setItem('currentNim',nim);

        localStorage.setItem('currentChapter',tugas);
```

```
var soal = '';

var jawaban = '';

if (tugas=='Jawab1'){soal = soal1();jawaban=jawab1();}

if (tugas=='Jawab2'){soal = soal2();jawaban=jawab2();}

if (tugas=='Jawab3'){soal = soal3();jawaban=jawab3();}

if (tugas=='Jawab4'){soal = soal4();jawaban=jawab4();}

if (tugas=='Jawab5'){soal = soal5();jawaban=jawab5();}

if (tugas=='Jawab6'){soal = soal6();jawaban=jawab6();}

if (tugas=='Jawab7'){soal = soal7();jawaban=jawab7();}

if (tugas=='Jawab8'){soal = soal8();jawaban=jawab8();}

if (tugas=='Jawab9'){soal = soal9();jawaban=jawab9();}

if (tugas=='Jawab10'){soal = soal10();jawaban=jawab10();}

if (tugas=='Jawab11'){soal = soal11();jawaban=jawab11();}

if (tugas=='Jawab12'){soal = soal12();jawaban=jawab12();}

CLO['result'].Show({ bMaster: true });

CLO['Score'].Show({ bMaster: true });

CLO['Save'].Show({ bMaster: true });

CLO['Close'].Show({ bMaster: true });

var view = document.getElementById('result');

var Course = courseID;

var url = url_send();

var WA = "<a href='https://api.whatsapp.com/send?phone=+62";

var passvar= "user_id=" + nim + "&" + "course_code=" + Course;

$(document).ready(function(){

        $.ajax({

                crossDomain: true,

                url: url,

                method: 'POST',

                dataType: 'text',

                data: passvar,

                success: function (response){

                        var dataTugas='';

                        var score = 0;

                        var cArray = response.split(',');

                        for (ci=4;ci<cArray.length-1;ci++){

                                if (cArray[ci] == tugas){
```

```
if(tugas == 'total'){

dataTugas = 'Score : ';

score = cArray[ci+1];

}
else{

dataTugas = cArray[ci+1];

dataTugas = dataTugas.replace(/~/g , ",");

score = cArray[ci+2];

}
//alert(score);

}
if ((cArray=='*')|(cArray=='undefined')){break;}

}
view.innerHTML =    "<br><br><br><p><b>"+name+" -
"+nim+"</b></p><p><b>Soal: </b></p>"+

                                                                "<p><font
color='red'>"+soal+"</font></p>"+

        "<p><b>Kunci:</b></p><p><font color='blue'>"+jawaban+"</font></p>"+

        "<p><b>Jawaban:</b></p>" + "<p>"+dataTugas+"</p>"+

                                                                "<p><b>Skor:
</b>"+score+"</p>"+"<p>WhatsApp: "+

        WA+phone+"">"+"0"+phone+"</p>";

                }, 
                error: function (error) {

                        alert(nError);

                }
    });
  });
}


function getScore(dom,phone,nim,name,max){


        number++;

        var text = dom;
```

```
        var chapter = localStorage.getItem("thischapter");
var array = text.split(',');
        arrBuffers[number] = ["","","","","",""];
        arrBuffers[number][0]=number;
        arrBuffers[number][1]=name;
        arrBuffers[number][2]=phone;
        var WA = "<a href='https://api.whatsapp.com/send?phone=+62";
        phone=phone.substr(1);
g_arVars['bufferHTML'] +=   "<tr><td>" +number+ "</td>" +
                "<td>" +name+ "</td>" +
                "<td>"+WA+phone+"'>"+"0"+phone+"</td>";
arrBuffers[number][3]="-";
        arrBuffers[number][4]=0;
        arrBuffers[number][5]=nim;
        if (number < max+1){
                var cArray = text.split(',');
                var cpText = ';
                var score = ';
                if (cArray.length>4){
                        for (ci=4;ci<cArray.length+1;ci++){
                                if (array[ci] == chapter)
                                {
                                        if(chapter == 'total'){
                                          cpText = cArray[ci];
                                          score = cArray[ci+1];


                                        }
                                        else{
                                   cpText = cArray[ci+1];
                                          score = cArray[ci+2];


                                        }
                                        cpText = cpText.replace(/~/g , ",");


                                        var awText = cpText.split(/(\s+)/);
                                        var awLength = awText[0].length;
```

```
                                    if (awLength<11) {

                                            for (i=0;i<(11-awLength);i++)

                                                    awText[0]+='*';//untuk
menambahkan * setelah kata soal

                                            }

                                    else {awText[0]=awText[0].substring(0,11);}

                                    g_arVars['bufferHTML'] += ' <td><a href="#"
onclick="showTugas(\" + chapter + '\' , \" + nim + '\', \" + name + '\', \" + phone + '\' )">'+awText[0]+'</a></td>';

                                    g_arVars['bufferHTML'] += "<td>"+score+"</td>";

                                    arrBuffers[number][3]=awText[0];

                                    arrBuffers[number][4]=score;

                                    break;

                                }

                        if (array[ci] =="*" ){break;}

                        if (ci>=99){break;}

                    }

                }

                g_arVars['bufferHTML'] += "<tr>";

        viewer.innerHTML = g_arVars['bufferHTML'];

                CLO['Reload'].Hide({ bMaster: true });

    }

            if (number==max+1){

                    if (cArray.length > 4 ){

                            for (cn=4;cn<cArray.length+1;cn++){

                                if (cArray[cn] == chapter)

                                    {


                                            axText = array[ci+1].split(/(\s+)/);

                                            g_arVars['bufferHTML'] += ' <td><a href="#"
onclick="showTugas(\" + chapter + '\' , \" + nim + '\', \" + phone + '\' )">'+awText[0]+'</a></td>';

                                            g_arVars['bufferHTML'] +=
"<td>"+array[cn+2]+"</td>";

                                            arrBuffers[number][3]= awText[0];

                                            arrBuffers[number][4]= array[cn+2];

                                            break;

                                    }

                                if (array[cn] =="*" ){break;}

                                if (cn>=99){break;}
```

```
                              }
                        }
                  }
      }


function parseXML(xml){
            var docoment = "";
      var tabel = xml.getElementsByTagName("coloumn");
      var informasi = "";
      var baris, kolom, score;
      for (baris = 0;baris < tabel.length; baris++){
         satubaris = tabel[baris];
         isibaris=satubaris.attributes;
                        buffer = [];
         for (kolom =0;kolom<isibaris.length;kolom++){
                              if (isibaris[kolom].nodeName == "Phone")
                                    {buffer[0]=isibaris[kolom].nodeValue};
                              if (isibaris[kolom].nodeName == "Nim")
                                    {buffer[1]=isibaris[kolom].nodeValue};
                              if (isibaris[kolom].nodeName == "Nama")
                                    {buffer[2]=isibaris[kolom].nodeValue};
            }
                        informasi += buffer[0]+","+buffer[1]+","+buffer[2];
         informasi += ";";
      }
      return informasi;
}


function updateCode(kode){
            //if (kode=='Kelas A'){kode = courseIDa;}
            //alert(kode);
            var text = read_file();
      var array = text.split(',');
      array[4] = kode;
            var Text = array_toText(array,array.length);
            try {
```

```
                    localStorage.setItem(moduleID,Text);

        return "Validation is done";

                }

    catch(err) {

        alert('File saved error');

    }

}


function updateFile(){

    var text = read_file();

    var array = text.split(',');

    array[3]="VALID";

    var Text = array_toText(array,array.length);

    try

        {

                            localStorage.setItem(moduleID,Text);

            return "Validation is done";

        }

    catch (err)

        {

            alert('File saved error');

        }

}


function assignment(chapter)

{

    var result = "";

    var textfile = read_file();

    var array = textfile.split(',');

    var i=0;

    var counter = "true";

    while (counter=="true")

    {

        if (array[i]==chapter)

        {

            var text = array[i+1];
```

```
        break;

      }

      i++;

      if (array[i]=="*"){break;}

      if (i==99){break;}

    }

  return text;

}


function getStudentReport(NIM){

        var Course = thisChapter;

  var url = url_send();

  var passvar= "user_id=" + NIM + "&" + "course_code=" + Course;

        $(document).ready(function(){

                $.ajax({

                        crossDomain: true,

                        url: url,

                        method: 'POST',

                        dataType: 'text',

                        data: passvar,

                        success: function (response){

                                g_arVars['bufferDOM']=response;

                        },

                        error: function (error) {

                                //alert(nError);

                        }

                });

        });

}


function getStudentData(){

        var url = url_data();

        var Course = moduleID;

        var passvar= "course_code=" + Course

        $(document).ready(function(){

                $.ajax({
```

```
                                    crossDomain: true,

                                    url: url,

                                    method: 'POST',

                                    type: 'text',

                                    data: passvar,

                                    success: function (response) {

                                            var text = response;

                ViewerData.innerHTML = parsXML(text);

                                    },

            error: function () {

                                            //alert(nError);

                                    }

            });

        });

    }


function getAllScorer(NIM){

            var Course = moduleID;

      var url = url_send();

      var passvar= "user_id=" + NIM + "&" + "course_code=" + Course;

            $(document).ready(function(){

                    $.ajax({

                                    crossDomain: true,

                                    url: url,

                                    method: 'POST',

                                    type: 'text',

                                    data: passvar,

                                    success: function (response) {

                findScore(response);

                                    },

                                    error: function () {

                                            //alert(nError);

                                    }

            });

        });

    }
```

```
function css() {
    var text = "";
        text += "<style>"+
        "table {border: 1px solid lightgrey; background-color: lightblue; width: 100%; font-size = 22px;}"+
        "th {border: 1px solid lightgrey; text-align: center;}"+
        "td {border: 1px solid lightgrey; background-color: white; color: black; text-align: left;}"+
        "</style>";
    return text;
}


function startFrame(NIM){
    var sNIM = NIM.toString();
    var nim = sNIM.substring(5);
    g_arVars['bufferNIM']=nim;
    getStudentReport(nim);
}


function showStudent(nim,name){
            var text = "<p><b>"+nim+" - "+name+"</b></p>";
            var Course = callCourseCode();
    var url = url_send();
    var passvar= "user_id=" + nim + "&" + "course_code=" + Course;
            $(document).ready(function(){
                    $.ajax({
                            crossDomain: true,
                            url: url,
                            method: 'POST',
                            dataType: 'text',
                            data: passvar,
                            success: function (resp) {
                                    var dom = resp.toString();
                                    dom = dom.substring(dom.indexOf(Course) + 1);
                                    var view = document.getElementById("result");
                                    CLO['result'].Show({ bMaster: true });
                                    CLO['back'].Show({ bMaster: true });
```

```
var array = dom.split(',');
if (array.length>4){
    for (i=4;i<99;i+=3){
        if ((array[i]=='*')|(array[i]=='')){
            break;
        }
        if (array[i].indexOf('undefined') >= 0){
            break;
        }
        if ((array[i]!='*')|(array[i]!='')){
            text +=
"<p><b>"+array[i]+"</b></p>"+array[i+1]+"</p>"+"<p>Skor: "+array[i+2]+"</p>";
        }
    }
    text+= "<br></br>";
}
else {text = "<br><br><h4 align='center'>Belum aktif</h4>"}
view.innerHTML = text;
},
error: function () {
    //alert(nError);
}
});
});
}


function viewSort(vara,vabe){
    //CLO['Cari'].Hide({ bMaster: true });
    var text =  "<body>" + css() + "<table id='data'>"+
                "<th>No</th>"+
                "<th>"+nameSort+"</th>"+
                "<th>"+hpSort+"</th>"+
                "<th>Jawaban</th>"+
                "<th>Skor</th>";
    var WA = "<a href='https://api.whatsapp.com/send?phone=+62";
    if (vara==4){
```

```
                    newarrBuffers = arrBuffers.sort(function(a,b){return a[vara] < b[vabe]?1:-1;});

            }

            if (vara==1) {

                    newarrBuffers = arrBuffers.sort(function(a,b){

                            return a[vara] > b[vabe] ? 1 : a[vara] < b[vabe] ? -1 : 0;

                    });

            }

            if (vara==2) {

                    newarrBuffers = arrBuffers.sort(function(a,b){return a[vara] - b[vabe]});

            }

            for (i=0;i<newarrBuffers.length-1;i++){


                    var phone=newarrBuffers[i][2];

                    phone=phone.substr(1);

                    var sname = newarrBuffers[i][1]

                    var snim = newarrBuffers[i][5];

                    text += "<tr>"+

                                    "<td>"+(i+1)+"</td>"+

                                    '<td><a href="#" onclick="parent.showStudent(\" + snim + '\', \" + sname +
'\');">' + newarrBuffers[i][1] + '</a></td>'+

                                    "<td>"+WA+phone+"'>"+"0"+phone+"</a></td>"+

                                    "<td>"+newarrBuffers[i][3]+"</td>"+

                                    "<td>"+newarrBuffers[i][4]+"</td>"+

                                    "</tr>";

            }

    text += "</table></body>";

            viewer.innerHTML = text;

            arrBuffers = newarrBuffers;

            number=0;

}


function load_js(){

    var head= document.getElementsByTagName('head')[0];

    var script= document.createElement('script');

    script.src= 'module.js';

    head.appendChild(script);
```

```
}

function soal1(){

        var text ="";

        return text;

}

function soal2(){

        var text ="";

        return text;

}

function soal3(){

        var text ="";

        return text;

}

function soal4(){

        var text ="";

        return text;

}

function soal5(){

        var text ="";

        return text;

}

function soal6(){

        var text ="";

        return text;

}

function soal7(){

        var text ="";

        return text;

}
```

```
function jawab1(){

        var jawab="";

        return jawab;

}


function jawab2(){

        var jawab="";

        return jawab;

}


function jawab3(){

        var jawab="";

        return jawab;

}


function jawab4(){

        var jawab = "";

        return jawab;

}


function jawab5(){

        var jawab="";

        return jawab;

}
```

Source Code Module.js Modul Mahasiswa

```javascript
// InitModule

function InitModule()

{

}


// ShutdownModule

function ShutdownModule()

{

}


var moduleID = "Digital Marketing Create";

var text_assign = ';

var codeID  = 68;

var codeIDH = 225;


localStorage.setItem('codenumber','001DMCREATESM');


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/_check_mhs.php";

 return uurl;

}


function url_send(){

 var uuurl="http://gflm.umy.ac.id/_send_onlinetext.php";

 return uuurl;

}


function url_password(){
```

```
            var passCheck = "http://gflm.umy.ac.id/_pass_verify.php";

            return passCheck;

}


function codeLoad(code){

            return code;

}


function callModuleID(){

  return moduleID;

}


function code(){

  return codeID;

}


function codeh(){

  return codeIDH;

}


function read_file()

{

            var nText = ";

            try {

                        var cText = localStorage.getItem(moduleID);

                        var hText = s_encode(cText,codeID);

                                    nText = hexToString(hText);

            } catch (err){}

  return nText;

}


function updateFile()

{

  var text = read_file();

  var array = text.split(',');

  array[3]="VALID";
```

```
    var Text = array_toText(array,array.length);

            var HText = stringToHex(Text);

            secureText = s_encode(HText,codeID);

    try {

                    localStorage.setItem(moduleID,secureText);

                    return "OK";

        }

    catch (err) {alert(err);}

}


function create_newFile(moduleID,studentId,studentName,status)

{

    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);

            var secureText = s_encode(HText,codeID);

    try {

                    localStorage.setItem(moduleID,secureText);

                    return "OK";

        }

    catch (err) {

        alert(err);

    }

}


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;

}
```

```javascript
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=0;i<=number;i++){

                if (i==number){

                        myArray[i] ='*';

                        text += myArray[i];

                        break;

                }

                myArray[i] = '*';

                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 passValidation(url,json,nim){
            CLO['Loading'].Show({ bMaster: true });
            $(document).ready(function(){
                    $.ajax({
```

```
                            crossDomain: true,

                            url: url,

                            method: 'POST',

                            dataType: 'text',

                            data: json,

                            success: function (response) {

                                    if (response == "VALID"){

            updateFile();

                                            synchronize3();

                                            CLO['Loading'].Hide({ bMaster: true });

                                            CL.Navigation.GoTo({sTargetType: "slide", sTargetDir: "next" });

                                            //CLO['Next'].Show({ bMaster: true });

            }

            if (response == "INVALID"){

                                            CLO['Loading'].Hide({ bMaster: true });

            alert("Username dan/atau Password tidak sah");

            }

                                },

        error: function (a,b,c) {

                            alert("Jaringan error");

                        }

        });

    });

}


function store_data(chapter, text, score)

{

    var textfile = read_file();

            var Textfilebaru = '';

    array = textfile.split(',');

    var counter = 0;

    for(i=4;i<array.length;i++)

    {

        if ((array[i]==chapter)|(array[i]=='*')){

                                counter=i;

        break;
```

```
        }
    }
            array[counter]=chapter
array[counter+1] = text;
            array[counter+2] = score;
    for(i=0;i<=array.length-1;i++){
                    if (i==array.length-1){
                            Textfilebaru += array[i];
                            break;
                    }
                    Textfilebaru += array[i] + ',';
            }
            var HText = stringToHex(Textfilebaru);
            var secureText = s_encode(HText,codeID);
    try {
        localStorage.setItem(moduleID,secureText);
    }
    catch (err) {
        alert('File saved error');
    }
}


function insertTotal(){
    var arrays = [];


            var textfile = read_file();
            var Textfilebaru = '';
    array = textfile.split(',');
    var counter = 0;
            for (i=4;i<array.length;i++) {
    var value = array[i];
    if (value.substring(0, 5) === "Jawab") {
                value = array[i+2];
        total = value;
                    arrays.push(total);
                    //alert(total);
```

```javascript
        }
    }
            var cek = arrays.reduce(getSum, 0);
    var totalscore = cek / arrays.length;


            var counter = 0;
    for(i=4;i<array.length;i++)
    {
        if (array[i]=='total'||array[i]=='*'){


            counter = i;
            break;
                        }
    }
            array[counter]='total';
    array[counter+1] = totalscore.toFixed(1);
    for(i=0;i<=array.length-1;i++){
                        if (i==array.length-1){
                                Textfilebaru += array[i];
                                break;
                        }
                        Textfilebaru += array[i] + ',';
            }
            var HText = stringToHex(Textfilebaru);
            var secureText = s_encode(HText,codeID);
    try {
        localStorage.setItem(moduleID,secureText);
    }
    catch (err) {
        alert('File saved error');
    }
}


function getSum(total, num) {
 return total + Math.round(num);
}
```

```
function find_score(chapter)
{
    var textfile = read_file();
    array = textfile.split(',');
    var counter = 0;
    var score = 0;
    for(i=4;i<99;i++)
    {
        if (array[i] == chapter)
        {
            counter = i;
                            score = array[counter + 2];
            break;
        }
    }


    return score;
}

function find_totalscore()
{
    var textfile = read_file();
    array = textfile.split(',');
    var counter = 0;
    var score = 0;
    for(i=4;i<99;i++)
    {
        if (array[i] == 'total')
        {
            counter = i;
            score = array[counter+1];
            break;
        }
    }
    return score;
```

```
}

function sendDataPost(){
        var url = url_update();
    var json = read_file();
    var passvar = "onlinetext="+json;
        $(document).ready(function(){
                $.ajax({
                        crossDomain: true,
                        url: url,
                        method: 'POST',
                        dataType: 'text',
                        data: passvar,
                        success: function() {
                        },
                        error: function() {
                        }
            });
        });
}

function synchronize3(){
        var time = new Date().toLocaleTimeString();
    var date =  new Date().toLocaleDateString();
        var dom = read_file();
        var array = dom.split(',');
        var NIM = array[1];
        var Course = moduleID;
    var url = url_send();
    var passvar= "user_id=" + NIM + "&" + "course_code=" + Course;
        $(document).ready(function(){
                $.ajax({
                        crossDomain: true,
                        url: url,
                        method: 'POST',
                        dataType: 'text',
```

```
                    data: passvar,

                    success: function (response) {

                            try {

                                    localStorage.setItem("server",response);

                                    localStorage.setItem("localm",dom);

                            } catch(e){};

                            parent.updateBothSide();

                            parent.store_data('synchtime',time,date);

                    },

                    error: function (err) {}

        });

    });

}


function updateBothSide(){

  var sArray = localStorage.getItem("server").split(',');

  var lArray = localStorage.getItem("localm").split(',');

  var nArray = [];

  var mArray = [];

  var ntext="";

  var mtext="";

  var rtext="";

  var rArray = [];


  for (i=0;i<100;i++){

   rArray[i]="*";

  }


  nArray[0]=lArray[0];nArray[1]=lArray[1];

  nArray[2]=lArray[2];nArray[3]=lArray[3];

  mArray[0]=lArray[0];mArray[1]=lArray[1];

  mArray[2]=lArray[2];mArray[3]=lArray[3];

  rArray[0]=lArray[0];rArray[1]=lArray[1];

  rArray[2]=lArray[2];rArray[3]=lArray[3];


  for (s=4;s<sArray.length-1;s+=3){
```

```
  var find=false;
 for (l=4;l<lArray.length-1;l+=3){
  if ((sArray[s]=='')|(sArray[s]=='*')|(sArray[s]=='undefined')){break;}
  if (sArray[s]==lArray[l]){
    find=true;
   if (Number(sArray[s+2]) > Number(lArray[s+2])){
    nArray[s]=sArray[s];
    nArray[s+1]=sArray[s+1];
    nArray[s+2]=sArray[s+2];
   }
   else {
    nArray[s]=lArray[l];
    nArray[s+1]=lArray[l+1];
    nArray[s+2]=lArray[l+2];
   }
  }
 }
 if (!find){
  nArray[s]=sArray[s];
  nArray[s+1]=sArray[s+1];
  nArray[s+2]=sArray[s+2];
 }
}


for (count=4;count<nArray.length;count++){
 if (count>=sArray.length-2){ntext += nArray[count];break;}
 ntext += nArray[count]+',';
}


//alert("n= "+ntext);
for (i=4;i<100;i++){
 mArray[i]="*";
}
var found = true;
var indx = 4;
for (l=4;l<lArray.length-3;l+=3){
```

```
   if ((lArray[l]=='')|(lArray[l]=='*')|(lArray[l]=='undefined')){found=true;break;}
  for (n=4;n<nArray.length-3;n+=3){
    //if ((nArray[n]=='')|(nArray[n]=='*')|(nArray[n]=='undefined')){found=true;}
    if (lArray[l]==nArray[n]){found=true;break;}
    if (lArray[l]!=nArray[n]){found=false;}
   }
   if (found==false){
     //alert('false');
     mArray[indx]=lArray[l]
     mArray[indx+1]=lArray[l+1];
     mArray[indx+2]=lArray[l+2];
     indx+=3;
     break;
   }
 }


for (count=4;count<mArray.length;count++){
  if (count>=mArray.length-3){mtext += mArray[count];break;}
  if ((mArray[count]=='')|(mArray[count]=='*')|(mArray[count]=='undefined')){break;}
  mtext += mArray[count]+',';
 }


//alert("m= "+mtext);


var indx = 4;
for (ncount=4;ncount<nArray.length-1;ncount+=3){
  if ((nArray[ncount]=="*")|(nArray[ncount]=="undefined")|(mArray[count]=="")){break;}
  else {
   rArray[ncount]=nArray[ncount];
   rArray[ncount+1]=nArray[ncount+1];
   rArray[ncount+2]=nArray[ncount+2];
   indx+=3;
  }
 }


for (mcount=4;mcount<mArray.length-1;mcount+=3){
```

```
    if ((mArray[mcount]=="*")|(mArray[count]=="undefined")|(mArray[count]=="")){break;}
   else {
     rArray[indx]=mArray[mcount];
     rArray[indx+1]=mArray[mcount+1];
     rArray[indx+2]=mArray[mcount+2];
    }
  }


  for (rcount=0;rcount<rArray.length;rcount++){
   if (rcount==rArray.length-2){rtext+=rArray[rcount];break;}
   rtext += rArray[rcount]+',';
  }


  var nArray = [];
  var mArray = [];


   //alert("r= "+rtext);


  var HText = stringToHex(rtext);
  secureText = s_encode(HText,codeID);
   try {
   localStorage.setItem(moduleID,secureText);
  }
   catch (err) {alert(err);}
   sendDataPost();
}



function getStudentReport(NIM){
          var Course = moduleID;
  var url = url_send();
  var passvar= "user_id=" + NIM + "&" + "course_code=" + Course;
          $(document).ready(function(){
                   $.ajax({
                            crossDomain: true,
                            url: url,
```

```
                    method: 'POST',

                    dataType: 'text',

                    data: passvar,

                    success: function (response) {

                            try {

                                    localStorage.setItem("server",response);

                                    localStorage.setItem("localm",read_file());

                            } catch(e){};

                            updateBothSide();

                    },

                    error: function (error) {

                    }

        });

    });

}


function showAssignment(){

        var data = read_file();

        var array = data.split(",");

        var text = "";

        var number = 0;

        for (i=4;i<array.length;i+=2){

                number++;

                if ((array[i]=="*")||(array[i+1]=='*')){break;}

                text += "<tr></tr>";

                text += "<td>"+number+"</td>";

                text += "<td>"+array[i].substring(3,6)+"</td>";

                var status = "";

                if (array[i+1]=='1'){status = "selesai";}

                text += "<td>"+status+"</td>";

                text += "</tr>";

        }

        return text;

}


function find_chapter(chapter){
```

```
var chapters =  "Class";

var textfile = dom;

var array = textfile.split(',');

var text =  "<body>" + css() + "<table>"+"<tr>"+array[2]+"<tr>"+"<th>No</th>"+

        "<th>Chapter</th><th>Score</th>";

var chapter = chapters.split(',');

for (c=0;c<chapter.length;c++){

    var i=0;

    var counter = "true";

    while (counter == "true")

    {

        if (array[i] == chapter[c])

        {

            var score = array[i+2];

            text += "<tr><td>"+(c+1)+"</td><td>"+chapter[c]+"</td><td>"+score+"</td></tr>";

            break;

        }

        i++;

        if (array[i]=="*"){break;}

        if (i==99){break;}

    }

}

text += "</body></table>";

ClassdanPackage.innerHTML=text;

}


function findScore(chapter){

        var score=0;

    var textfile = read_file();

    var array = textfile.split(',');

    for (c=4;c<array.length;c++){

                    if (array[c]==chapter){

                            score=array[c+2];

                    }

    }

        return score;
```

```
}


function findAnswer(question,a,b,v){
        var answer ='';
    var textfile = read_file();
    var array = textfile.split(',');
    for (c=3;c<array.length;c++){
                    if (array[c]==question){
                            if (array[c+2]>50){CLO[a].Hide({ bMaster: true });CLO[b].Hide({ bMaster: true });}
                            var skor = array[c+2].toString();
                            answer = array[c+1].toString();
                            var view = document.getElementById(v);
                            view.innerHTML = '<p><span style="font-size: 16px;font-color: blue">Skor:
'+skor+'</span><p>';
                            break;
                    }
    }
        return answer;
}


function findDate(info){
        var date='';
        var time='';
    var textfile = read_file();
    var array = textfile.split(',');
    for (c=4;c<array.length;c++){
                    if (array[c]==info){
                            date=array[c+1].toString();
                            time=array[c+2].toString();
                    }
    }
        return "Last Sync: " + date+" - "+time;
}


// Easy Question
```

```
function maksdist(text){

        var buffer = "";

        var loop = "TRUE";

        while(loop){

                buffer = text.replace('.','');

                if(buffer == text){

                        break;

                }

                text = buffer;

        }

        return buffer.length;

}


function clear(text){

        var cond = true;

        while (cond){

                var textLength = text.length-1;

                var endChar = text.substr(textLength,1);

                if (endChar == '.'){text=text.substr(0,(textLength));}

                else {cond=false};

        }

        var lText = text.toLowerCase();

        rText = lText.replace(',','');

        sText = rText.replace(/\s{2,}/g, ' ');

        return sText;

}


function cprParagraph(ans, key){

        var aArray = ans.split(".");

        var kArray = key.split(".");

        var kLength = kArray.length;

        var distance = 0;

        var score = 0;

        for (k=0;k<kLength;k++){

                var omega = kArray[k];

                var buffer = 1000;
```

```
                    var pointer = 0;

                    var aLength = aArray.length;

                    if (aLength==0){

                            var leftChar=0;

                            for (y=k;y<kLength;y++){

                                    leftChar += kArray[k].length;

                            }

                            distance=leftChar;

                            break;

                    }

                    for (a=0;a<aLength;a++){

                            var dist = cprSentences(omega,aArray[a]);

                            if (buffer>dist){

                                    buffer = dist;

                                    pointer = a;

                            }

                    }

                    aArray.splice(pointer,1);

                    distance += buffer;

            }

            var cKey = clear(key);

            score = ((cKey.length-distance)/cKey.length)*100;

            score = score.toFixed(0);

            if (score<0) {score=0;}

            if (score>100){score=100};

            return score;

    }


function cprSentences(a, k){

            var logical = true;

            var distance = 0;

            logical = meaning (a,k);

            if (logical == true){

                    var aArray = a.split(" ");

                    var kArray = k.split(" ");

                    var kLength = kArray.length;
```

```
            for (k=0;k<kLength;k++){

                    var omega = kArray[k];

                    var buffer = 1000;

                    var pointer = 0;

                    var aLength = aArray.length;

                    if (aLength==0){break;}

                    for (a=0;a<aLength;a++){

                            var dist = levenshtein(omega,aArray[a]);

                            if (buffer>dist){

                                    buffer = dist;

                                    pointer = a;

                            }

                    }

                    aArray.splice(pointer,1);

                    distance += buffer;

            }

    }

    else {

            if (k.length < a.length) {distance = a.length;}

            else {distance = k.length;}

    }

    return distance;

}


function meaning(a, k){

    cond = true;

    condA = "positive";

    condK = "positive";

    var clrAns = a.replace(/\s{2,}/g, ' ');

    var clrKey = k.replace(/\s{2,}/g, ' ');

    var wordArray = ['tidak','bukan','lain','beda','belum','jangan'];

    for (cnt=0;cnt<wordArray.length;cnt++){

            if (clrAns.search(wordArray[cnt])!=-1){condA="negative"};

            if (clrKey.search(wordArray[cnt])!=-1){condK="negative"};

    }

    if ((condA=="negative") & (condK=="positive")){cond=false};
```

```
        if ((condA=="positive") & (condK=="negative")){cond=false};

        return cond;

}


function levenshtein(a, b) {
 if(a.length === 0) return b.length;
 if(b.length === 0) return a.length;
 var matrix = [];
 var i;
 for(i = 0; i <= b.length; i++){
  matrix[i] = [i];
 }


 var j;
 for(j = 0; j <= a.length; j++){
  matrix[0][j] = j;
 }


 for(i = 1; i <= b.length; i++){
  for(j = 1; j <= a.length; j++){
   if(b.charAt(i-1) == a.charAt(j-1)){
    matrix[i][j] = matrix[i-1][j-1];
   } else {
    matrix[i][j] = Math.min(matrix[i-1][j-1] + 1,
           Math.min(matrix[i][j-1] + 1,
             matrix[i-1][j] + 1));
   }
  }
 }
 return matrix[b.length][a.length];
}


function mainSetence(words){
        if (words!=''){

                var otext = "";

                var wArray = words.split(' ');
```

```
                    var aLength = wArray.length;

                    for (w=0;w<aLength;w++){

                            var itext = wArray[w];

                            itext = itext.replace(/\s/g,'');

                            itext = itext.toLowerCase();

                            var ichar = itext.substr(0,1);

                            var gchar = find_base(itext,ichar);

                            if (gchar==""){otext+=itext + ' '}

                            else {otext+=gchar + ' '}

                    }

            }

            return otext;

}


function dasar_akhiran(text){

        var result = "";

        var buffer = "";

        var vari = text.substring(0,1);

        var load ="";

        try{

                load = window[vari]();

        } catch (e){result=text;return result;}

        var textL = text.length;

        var row = load.split(';');

        var dist = 100;

        var found = false;

        for (rb=0;rb<row.length;rb++){

                word = row[rb].split(',');

                word[0]=word[0].replace(/\s+/, "");

                if (word[0]===text){

                        result = word[0];//+','+word[1];

                        found = true;

                        break;

                }

                if ((!found)&&(rb==(row.length-1))){

                        tLength=text.length;
```

```
                              if ((text.substring(tLength-1)=="i")&(text.substring(tLength-4)!="wati")){
                                      text=text.substring(0,tLength-1);
result = text;

                                      found = true;
                                      break;
                              };
                              if ((text.substring(tLength-2)=="an")&(text.substring(tLength-3)!="wan")
                                      &(text.substring(tLength-3)!="kan")){
                                      text=text.substring(0,tLength-2);
result = text;

                                      found = true;
                                      break;
                              };
                              if (text.substring(tLength-3)=="kan"){
                                      text=text.substring(0,tLength-3);
result = text;

                                      found = true;
                                      break;
                              };
                              if (text.substring(tLength-2)=="ku"){
                                      text=text.substring(0,tLength-2);
result = text;

                                      found = true;
                                      break;
                              };
                              if (text.substring(tLength-2)=="mu"){
                                      text=text.substring(0,tLength-2);
result = text;

                                      found = true;
                                      break;
                              };
                              if (text.substring(tLength-3)=="nya"){
                                      text=text.substring(0,tLength-3);
result = text;

                                      found = true;
                                      break;
```

```
};
if (text.substring(tLength-3)=="kah"){
        text=text.substring(0,tLength-3);
result = text;

                found = true;
                break;
};
if (text.substring(tLength-3)=="pun"){
        text=text.substring(0,tLength-3);
result = text;

                found = true;
                break;
};
if (text.substring(tLength-3)=="lah"){
        text=text.substring(0,tLength-3);
result = text;

                found = true;
                break;
};
if (text.substring(tLength-3)=="tah"){
        text=text.substring(0,tLength-3);
result = text;

                found = true;
                break;
};
if (text.substring(tLength-4)=="wati"){
        text=text.substring(0,tLength-4);
result = text;

                found = true;
                break;
};
if (text.substring(tLength-3)=="wan"){
        text=text.substring(0,tLength-3);
result = text;

                found = true;
                break;
```

```
                                };
                                if (text.substring(tLength-3)=="man"){
                                        text=text.substring(0,tLength-3);
        result = text;
                                        found = true;
                                        break;
                                };
                        }
                }
                return result;
}


function find_base(text,vari){
        var result = "tidak ketemu";
        var buffer = "";
        try{
                load = window[vari]();
        } catch (e){result=text;return result;}
        var textL = text.length;
        var row = load.split(';');
        var dist = 100;
        var found = false;
        for (rb=0;rb<row.length;rb++){
                word = row[rb].split(',');
                word[0]=word[0].replace(/\s+/, "");
                if (word[0]==text){
                        result = word[0];//+','+word[1];
                        found = true;
                        break;
                }
                if ((!found)&&(rb==(row.length-1))){
                                        if (text.substring(0,2)=="se"){
                                text=text.substring(2);
                                var fChar = text.substring(0,1);
        var dasar = dasar_akhiran(text);
                                result = find(dasar,fChar);
```

```
                        break;
            }
            if (text.substring(0,3)=="per"){
                        text=text.substring(3);
                        var fChar = text.substring(0,1);
var dasar = dasar_akhiran(text);
                        result = find(dasar,fChar);
                        break;
            }
            if (text.substring(0,3)=="ter"){
                        text=text.substring(3);
                        var fChar = text.substring(0,1);
var dasar = dasar_akhiran(text);
                        result = find(dasar,fChar);
                        break;
            }
            if ((text.substring(0,2)=="be")&(text.substring(0,3)!="ber")){
                        text=text.substring(2);
                        var fChar = text.substring(0,1);
var dasar = dasar_akhiran(text);
                        result = find(dasar,fChar);
                        break;
            }
            if (text.substring(0,3)=="ber"){
                        text=text.substring(3);
                        var fChar = text.substring(0,1);
var dasar = dasar_akhiran(text);
                        result = find(dasar,fChar);
                        break;
            }
            if (text.substring(0,2)=="me"){
                        if (text.substring(2,4)=="mb"){
                                    text=text.substring(3);
                                    var fChar = text.substring(0,1);
                                    var dasar = dasar_akhiran(text);
                                    result = find(dasar,fChar);
```

```
                break;
        }
        if (text.substring(2,4)=="mu"){
                text="p"+text.substring(3);
                var fChar = text.substring(0,1);
                var dasar = dasar_akhiran(text);
                result = find(dasar,fChar);
                break;
        }
        if ((text.substring(2,4)=="ru")|(text.substring(2,4)=="ra")){
                text="r"+text.substring(3);
                var fChar = text.substring(0,1);
                var dasar = dasar_akhiran(text);
                result = find(dasar,fChar);
                break;
        }
        if ((text.substring(2,5)=="maa")|(text.substring(2,5)=="mak")){
                text=text.substring(2);
                var fChar = text.substring(0,1);
                var dasar = dasar_akhiran(text);
                result = find(dasar,fChar);
                break;
        }
        if (text.substring(2,4)=="ns"){
                text=text.substring(3);
                var fChar = text.substring(0,1);
                var dasar = dasar_akhiran(text);
                result = find(dasar,fChar);
                break;
        }
        if ((text.substring(2,4)=="ni")|(text.substring(2,4)=="ne")){
                text="t"+text.substring(3);
                var fChar = text.substring(0,1);
                var dasar = dasar_akhiran(text);
                result = find(dasar,fChar);
                break;
```

```
                    }
        if (text.substring(2,4)=="li"){

                    text="l"+text.substring(3);

                    var fChar = text.substring(0,1);

                    var dasar = dasar_akhiran(text);

                    result = find(dasar,fChar);

                    break;

        }
        if (text.substring(2,6)=="mper"){

                    text=text.substring(6);

                    var fChar = text.substring(0,1);

                    var dasar = dasar_akhiran(text);

                    result = find(dasar,fChar);

                    break;

        }
        if (text.substring(2,6)=="mpel"){

                    text=text.substring(6);

                    var fChar = text.substring(0,1);

                    var dasar = dasar_akhiran(text);

                    result = find(dasar,fChar);

                    break;

        }
        if ((text.substring(2,5)=="mpr")|(text.substring(2,5)=="mpe")){

                    text=text.substring(3);

                    var fChar = text.substring(0,1);

                    var dasar = dasar_akhiran(text);

                    result = find(dasar,fChar);

                    break;

        }
        if (text.substring(2,5)=="nas"){

                    text="n"+text.substring(3);

                    var fChar = text.substring(0,1);

                    var dasar = dasar_akhiran(text);

                    result = find(dasar,fChar);

                    break;

        }
```

```
if ((text.substring(2,4)=="nu")|(text.substring(2,4)=="na")

        |(text.substring(2,4)=="no")){

        text= "t" + text.substring(3);

        var fChar = text.substring(0,1);

        var dasar = dasar_akhiran(text);

        result = find(dasar,fChar);

        break;

}

if (text.substring(2,5)=="nya"){

        text="s"+text.substring(4);

        var fChar = text.substring(0,1);

        var dasar = dasar_akhiran(text);

        result = find(dasar,fChar);

        break;

}

if (((text.substring(2,4)=="ny")&(text.substring(2,5)!="nya"))

        |(text.substring(2,6)=="nyad")|(text.substring(2,6)=="nyan")){

        text= "s" + text.substring(4);

        var fChar = text.substring(0,1);

        var dasar = dasar_akhiran(text);

        result = find(dasar,fChar);

        break;

}

if ((text.substring(2,6)=="nyan")|(text.substring(2,6)=="manj")

        |(text.substring(2,5)=="maj")|(text.substring(2,6)=="mand")){

        text= text.substring(2);

        var fChar = text.substring(0,1);

        var dasar = dasar_akhiran(text);

        result = find(dasar,fChar);

        break;

}

if ((text.substring(2,4)=="nj")|(text.substring(2,4)=="nz")

        |(text.substring(2,4)=="nd")|(text.substring(2,4)=="nc")

        |(text.substring(2,5)=="ndr")){

        text=text.substring(3);

        var fChar = text.substring(0,1);
```

```
                                    var dasar = dasar_akhiran(text);

                                    result = find(dasar,fChar);

                                    break;

                    }

                    if ((text.substring(2,6)=="nget")){

                                    text=text.substring(5);

                                    var fChar = text.substring(0,1);

                                    var dasar = dasar_akhiran(text);

                                    result = find(dasar,fChar);

                                    break;

                    }

                    if (text.substring(2,8)=="ngemuk"){

                                    text=text.substring(5);

                                    var fChar = text.substring(0,1);

                                    var dasar = dasar_akhiran(text);

                                    result = find(dasar,fChar);

                                    break;

                    }

                    if ((text.substring(2,5)=="ngh")|(text.substring(2,6)=="ngak")

                                    |(text.substring(2,5)=="ngg")|(text.substring(2,7)=="nging")|

                                    (text.substring(2,5)=="ngi")|

        ((text.substring(2,5)=="nga")&(text.substring(2,6)!="ngag")&(text.substring(2,7)!="ngand"))

        |((text.substring(2,5)=="ngo")&(text.substring(2,6)!="ngor"))|(text.substring(2,5)=="ngu")){

                                            text=text.substring(4);

                                            var fChar = text.substring(0,1);

                                            var dasar = dasar_akhiran(text);

                                            result = find(dasar,fChar);

                                            break;

                    }

                    if
((text.substring(2,5)=="nga")|(text.substring(2,5)=="ngi")&((text.substring(2,7)!="nging"))

        |(text.substring(2,5)=="ngr")|(text.substring(2,5)=="nge")|(text.substring(2,6)!="nget")

        |(text.substring(2,6)=="ngag")|(text.substring(2,7)=="ngand")|(text.substring(2,6)=="ngor")){

                                            text="k"+text.substring(4);
```

```
                                    var fChar = text.substring(0,1);

                                    var dasar = dasar_akhiran(text);

                                    result = find(dasar,fChar);

                                    break;

                    }

                    if ((text.substring(2,4)=="ma")&(text.substring(2,5)!="mak")){

                                    text="p" + text.substring(3);

                                    var fChar = text.substring(0,1);

                                    result = find(text,fChar);

                                    break;

                    }

                    else {

                                    text=text.substring(2);

                                    var fChar = text.substring(0,1);

                                    result = find(text,fChar);

                                    break;

                    }

        }

        if (text.substring(0,2)=="ke"){

                    if (text.substring(2,4)=="mb"){

                    text="kem" + text.substring(3);

                                    var fchar = text.substring(0,1);

                                    result = find(text,fchar);

                                    break;

                    }

                    if (text.substring(2,4)=="rj"){

                                    text="ker".substring(3);

                                    var fchar = text.substring(0,1);

                                    result = find(text,fchar);

                                    break;

                    }

                    if (text.substring(2,4)=="na"){

                                    text="ken".substring(3);

                                    var fchar = text.substring(0,1);

                                    result = find(text,fchar);

                                    break;
```

```
                                        }
                                        if
((text.substring(2,4)=="du")|(text.substring(2,4)=="ti")|(text.substring(2,4)=="em")

        |(text.substring(2,4)=="li")|(text.substring(2,4)=="en")|(text.substring(2,4)=="tu")

        |(text.substring(2,4)=="de")|(text.substring(2,4)=="se")){text=text.substring(2);
                                                var fchar = text.substring(0,1);
                                                result = find(text,fchar);
                                                break;
                                        }
                                }
                                if (text.substring(0,2)=="di"){
                                        text=text.substring(2);
                                        var fChar = text.substring(0,1);
                                        var dasar = dasar_akhiran(text);
        result = find(dasar,fChar);
                                        break;
                                }
                                else {
                                        text = dasar_akhiran(text);
                                        var fChar = text.substring(0,1);
                                        var dasar = dasar_akhiran(text);
        result = find(dasar,fChar);
                                        break;
                                }
                        }
                        if (found){break;}
                }
                return result;
        }


function find(text,vari){
        var result = "tidak ketemu";
        var buffer = "";
        try{
                load = window[vari]();
```

```
} catch (e){result=text;}
var textL = text.length;
var row = load.split(';');
var dist = 100;
var found = false;
for (rb=0;rb<row.length;rb++){
        word = row[rb].split(',');
        word[0]=word[0].replace(/\s+/, "");
        if (word[0]==text){
                result = word[0];//+','+word[1];
                found = true;
                break;
        }
        if ((!found)&&(rb==(row.length-1))){
                found=false;
                for (col=1;col<text.length;col++){
                        findText = text.substr(0, text.length-col);
                        for (nr=0;nr<row.length;nr++){
                                word = row[nr].split(',');
                                word[0]=word[0]
                                .replace(/\s+/, "");
                                if (word[0].length>=findText.length){
                                        var compareText = word[0].substr(0, findText.length);
                                        if ((compareText==findText)&&(!found)){
                                                result = word[0];//+','+word[1];
                                                found=true;
                                                break;
                                        }
                                }
                                if(found){break;}
                        }
                        if(found){break;}
                }
                if(found){break;}
        }
        if (found){break;}
```

```
            }

            return result;

};


function read_status(){

            var v1 = document.getElementById('ST01');

            var v2 = document.getElementById('ST02');

            var v3 = document.getElementById('ST03');

            var v4 = document.getElementById('ST04');

            var v5 = document.getElementById('ST05');

            var v6 = document.getElementById('ST06');

            var v7 = document.getElementById('ST07');

            var v8 = document.getElementById('ST08');

            var v9 = document.getElementById('ST09');

            var v10 = document.getElementById('ST10');

            var v11 = document.getElementById('ST11');

            if (Number(findScore('Jawab1'))>5){v1.innerHTML='OK'};

            if (Number(findScore('Jawab2'))>5){v2.innerHTML='OK'};

            if (Number(findScore('Jawab3'))>5){v3.innerHTML='OK'};

            if (Number(findScore('Jawab4'))>5){v4.innerHTML='OK'};

            if (Number(findScore('Jawab5'))>5){v5.innerHTML='OK'};

            if (Number(findScore('Jawab6'))>5){v6.innerHTML='OK'};

            if (Number(findScore('Jawab7'))>5){v7.innerHTML='OK'};

            if (Number(findScore('Jawab8'))>5){v8.innerHTML='OK'};

            if (Number(findScore('Jawab9'))>5){v9.innerHTML='OK'};

            if (Number(findScore('Jawab10'))>5){v10.innerHTML='OK'};

            if (Number(findScore('Jawab11'))>5){v11.innerHTML='OK'};

}


function countWords(s){

   s = s.replace(/(^\s*)|(\s*$)/gi,"");

   s = s.replace(/[ ]{2,}/gi," ");

   s = s.replace(/\n /,"\n");

   return s.split(' ').filter(function(str){return str!="";}).length;

}
```