LAMPIRAN

Sourcecode HTML

1. Halaman Daftar Isi

```
<p style="text-align: center;"><span style="font-size:14px;"><span style="font-family:verdana,geneva,sans-serif;">Kegiatan Pembelajaran</span></span>
</p>
<table style="border: 1px solid rgb(0, 51, 0); border-spacing: 0px; border-collapse: collapse; margin-left: auto; margin-right: auto; width: 100%; height: 1px;">
 <thead>
  <tr>
   <th scope="col" style="padding: 5px; border: 1px solid rgb(0, 51, 0);"><span style="font-size:14px;"><span style="font-family:verdana,geneva,sans-serif;"> Sesi   </span></span>
   </th>
   <th scope="col" style="padding: 5px; border: 1px solid rgb(0, 51, 0);"><span style="font-size:14px;"><span style="font-family:verdana,geneva,sans-serif;"><span style="font-style: normal; font-variant: normal; font-weight: bold; line-height: 16.799999237060547px; text-align: center;">CAI</span></span></span>
   </th>
  </tr>
 </thead>
 <tbody>
  <tr>
   <td style="padding: 5px; border: 1px solid rgb(0, 51, 0); text-align: center;"><strong><span style="font-size:14px;"><span style="font-family:verdana,geneva,sans-serif;">1</span></span></strong>
   </td>
   <td style="padding: 5px; border: 1px solid rgb(0, 51, 0);"><strong><span style="font-size:14px;"><span style="font-family:verdana,geneva,sans-serif;"><a _hyper="3" href="javascript: void(0)" onclick="processEvent('hyperlink_a3bc082e'); return false;"><span style="font-weight: bolder;">PENGANTAR PENDIDIKAN PANCASILA</span></a></span></span></strong>
   </td>
  </tr>
  <tr>
   <td style="padding: 5px; border: 1px solid rgb(0, 51, 0); text-align: center;"><strong><span style="font-size:14px;"><span style="font-family:verdana,geneva,sans-serif;">2</span></span></strong>
   </td>
   <td style="padding: 5px; border: 1px solid rgb(0, 51, 0);">
```

```
    <p        style="text-align:        justify;"><strong><span        style="font-
size:14px;"><span        style="font-family:verdana,geneva,sans-serif;"><a
_hyper="4"                    href="javascript:                    void(0)"
onclick="processEvent('hyperlink_3d087b54');  return  false;">BAGAIMANA
PANCASILA         DALAM         ARUS         SEJARAH         BANGSA
INDONESIA?</a></span></span></strong>
      </p>
     </td>
    </tr>
    <tr>
     <td style="padding: 5px; border: 1px solid rgb(0, 51, 0); text-align:
center;"><strong><span        style="font-size:14px;"><span        style="font-
family:verdana,geneva,sans-serif;"><span              style="line-height:
16.799999237060547px;">3</span></span></span></strong>
     </td>
     <td style="padding: 5px; border: 1px solid rgb(0, 51, 0);">
      <p        style="text-align:        justify;"><strong><span        style="font-
size:14px;"><span        style="font-family:verdana,geneva,sans-serif;"><a
_hyper="5"                    href="javascript:                    void(0)"
onclick="processEvent('hyperlink_a50844e8');  return  false;">BAGAIMANA
PANCASILA         MENJADI         DASAR         NEGARA         REPUBLIK
INDONESIA?</a></span></span></strong>
      </p>
     </td>
    </tr>
    <tr>
     <td style="padding: 5px; border: 1px solid rgb(0, 51, 0); text-align:
center;"><strong><span        style="font-size:14px;"><span        style="font-
family:verdana,geneva,sans-serif;"><span              style="line-height:
16.799999237060547px;">4</span></span></span></strong>
     </td>
     <td style="padding: 5px; border: 1px solid rgb(0, 51, 0);">
      <p><strong><span        style="font-size:14px;"><span        style="font-
family:verdana,geneva,sans-serif;"><a _hyper="6" href="javascript: void(0)"
onclick="processEvent('hyperlink_caa06a05');   return   false;">MENGAPA
PANCASILA                    MENJADI                    IDEOLOGI
NEGARA? </a></span></span></strong>
      </p>
     </td>
    </tr>
    <tr>
     <td style="padding: 5px; border: 1px solid rgb(0, 51, 0); text-align:
center;"><strong><span        style="font-size:14px;"><span        style="font-
family:verdana,geneva,sans-serif;"><span              style="line-height:
16.799999237060547px;">5</span></span></span></strong>
     </td>
```

```
    <td style="padding: 5px; border: 1px solid rgb(0, 51, 0);"><strong><span
style="font-size:14px;"><span          style="font-family:verdana,geneva,sans-
serif;"><a          _hyper="7"          href="javascript:          void(0)"
onclick="processEvent('hyperlink_b3fad8a0');     return     false;">MENGAPA
PANCASILA                  MERUPAKAN                  SISTEM
FILSAFAT?  </a></span></span></strong>
    </td>
   </tr>
   <tr>
    <td style="padding: 5px; border: 1px solid rgb(0, 51, 0); text-align:
center;"><strong><span          style="font-size:14px;"><span          style="font-
family:verdana,geneva,sans-serif;"><span                  style="line-height:
16.799999237060547px;">6</span></span></span></strong>
    </td>
    <td style="padding: 5px; border: 1px solid rgb(0, 51, 0);"><strong><span
style="font-size:14px;"><span          style="font-family:verdana,geneva,sans-
serif;"><a          _hyper="8"          href="javascript:          void(0)"
onclick="processEvent('hyperlink_036babcc');     return     false;">BAGAIMANA
PANCASILA MENJADI SISTEM ETIKA?</a></span></span></strong>
    </td>
   </tr>
   <tr>
    <td style="padding: 5px; border: 1px solid rgb(0, 51, 0); text-align:
center;"><strong><span          style="font-size:14px;"><span          style="font-
family:verdana,geneva,sans-serif;"><span                  style="line-height:
16.799999237060547px;">7</span></span></span></strong>
    </td>
    <td style="padding: 5px; border: 1px solid rgb(0, 51, 0);">
     <p><strong><span          style="font-size:14px;"><span          style="font-
family:verdana,geneva,sans-serif;"><a _hyper="9" href="javascript: void(0)"
onclick="processEvent('hyperlink_f76e5447');     return     false;">MENGAPA
PANCASILA    MENJADI    DASAR    NILAI    PENGEMBANGAN
ILMU?</a></span></span></strong>
     </p>
    </td>
   </tr>
  </tbody>
</table>
<p> 
</p>
```

2. Halaman Materi

```
<div style="width: 98%;">
 <p style="margin-left: 0pt; text-align: justify;"><span style="font-size:16px;"><span style="line-height:1.4em;"><span style="font-family:georgia,serif;"><strong>Menelusuri Konsep dan Urgensi Pendidikan Pancasila</strong></span></span></span>
 </p>
 <p style="text-align: justify;"><span style="line-height:1.4em;"><span style="font-size:14px;"><span style="font-family:georgia,serif;">Pancasila sebagai pandangan hidup bangsa sudah terwujud dalam kehidupan bermasyarakat sejak sebelum Pancasila sebagai dasar negara dirumuskan dalam satu sistem nilai. Sejak zaman dahulu, wilayah-wilayah di nusantara ini mempunyai beberapa nilai yang dipegang teguh oleh masyarakatnya, sebagai contoh:</span></span></span>
 </p>
 <p style="text-align: justify;"><span style="line-height:1.4em;"><span style="font-size:14px;"><span style="font-family:georgia,serif;">1. Percaya kepada Tuhan dan toleran,</span></span></span>
 </p>
 <p style="text-align: justify;"><span style="line-height:1.4em;"><span style="font-size:14px;"><span style="font-family:georgia,serif;">2. Gotong royong,</span></span></span>
 </p>
 <p style="text-align: justify;"><span style="line-height:1.4em;"><span style="font-size:14px;"><span style="font-family:georgia,serif;">3. Musyawarah,</span></span></span>
 </p>
 <p style="text-align: justify;"><span style="line-height:1.4em;"><span style="font-size:14px;"><span style="font-family:georgia,serif;">4.Solidaritas atau kesetiakawanan sosial, dan sebagainya.</span></span></span>
 </p>
 <p style="text-align: justify;"><span style="line-height:1.4em;"><span style="font-size:14px;"><span style="font-family:georgia,serif;">Manifestasi prinsip gotong royong dan solidaritas secara konkret dapat dibuktikan dalam bentuk pembayaran pajak yang dilakukan warga negara atau wajib pajak. Alasannya jelas bahwa gotong royong didasarkan atas semangat kebersamaan yang terwujud dalam semboyan filosofi hidup bangsa Indonesia &ldquo;berat sama dipikul, ringan sama dijinjing&rdquo;. Konsekuensinya, pihak yang mampu harus mendukung pihak yang kurang mampu, dengan menempatkan posisi
```

pemerintah sebagai mediator untuk menjembatani kesenjangan. Pajak menjadi solusi untuk kesenjangan tersebut.
  </p>
  <p style="text-align: justify;">Munculnya permasalahan yang mendera Indonesia, memperlihatkan telah tergerusnya nilai-nilai Pancasila dalam kehidupan bermasyarakat, berbangsa dan bernegara. Oleh karena itu, perlu diungkap berbagai permasalahan di negeri tercinta ini yang menunjukkan pentingnya mata kuliah pendidikan Pancasila.
  </p>
  <p style="margin-left: 0pt; text-align: justify;">1. Masalah Kesadaran Perpajakan
  </p>
  <p style="text-align: justify;">Kesadaran perpajakan menjadi permasalahan utama bangsa, karena uang dari pajak menjadi tulang punggung pembiayaan pembangunan. APBN 2016, sebesar 74,6% penerimaan negara berasal dari pajak. Masalah yang muncul adalah masih banyak Wajib Pajak Perorangan maupun badan (lembaga/instansi/perusahaan/dan lain-lain) yang masih belum sadar dalam memenuhi kewajiban perpajakan. Laporan yang disampaikan masih belum sesuai dengan harta dan penghasilan yang sebenarnya dimiliki, bahkan banyak kekayaannya yang disembunyikan. Masih banyak warga negara yang belum terdaftar sebagai Wajib Pajak, tidak membayar pajak tetapi ikut menikmati fasilitas yang disediakan oleh pemerintah.
  </p>
  <p style="margin-left: 0pt; text-align: justify;">2. Masalah Korupsi
  </p>
  <p style="text-align: justify;">Masalah korupsi sampai sekarang masih banyak terjadi, baik di pusat maupun di daerah. Transparency Internasional (TI) merilis situasi korupsi di 188 negara untuk tahun 2015.

Berdasarkan data dari TI tersebut, Indonesia masih menduduki peringkat 88 dalam urutan negara paling korup di dunia.
   </p>
   <p style="margin-left: 0pt; text-align: justify;">3. Masalah Lingkungan
   </p>
   <p style="text-align: justify;">Indonesia dikenal sebagai paru-paru dunia. Namun dewasa ini, citra tersebut perlahan mulai luntur seiring dengan banyaknya kasus pembakaran hutan, perambahan hutan menjadi lahan pertanian, dan yang paling santer dibicarakan, yaitu beralihnya hutan Indonesia menjadi perkebunan.
   </p>
   <p style="text-align: justify;">Selain masalah hutan, masalah keseharian yang dihadapi masyarakat Indonesia saat ini adalah sampah, pembangunan yang tidak memperhatikan ANDAL dan AMDAL, polusi yang diakibatkan pabrik dan kendaraan yang semakin banyak. Hal tersebut menunjukkan bahwa kesadaran masyarakat terhadap kelestarian lingkungan masih perlu ditingkatkan.
   </p>
   <p style="margin-left: 0pt; text-align: justify;">4. Masalah Disintegrasi Bangsa
   </p>
   <p style="text-align: justify;">Demokratisasi mengalir dengan deras menyusul terjadinya reformasi di Indonesia. Disamping menghasilkan perbaikan-perbaikan dalam tatanan Negara Republik Indonesia, reformasi juga menghasilkan dampak negatif, antara lain terkikisnya rasa kesatuan dan persatuan bangsa.
   </p>
   <p style="margin-left: 0pt; text-align: justify;">5. Masalah Dekadensi Moral
   </p>

```
<p style="text-align: justify;"><span style="line-height:1.4em;"><span
style="font-size:14px;"><span                                  style="font-
family:georgia,serif;">Dewasa        ini,      fenomena      materialisme,
pragmatisme, dan hedonisme makin menggejala dalam kehidupan
bermasyarakat. Paham-paham tersebut mengikis moralitas dan akhlak
masyarakat, khususnya generasi muda. Fenomena dekadensi moral
tersebut terekspresikan dan tersosialisasikan lewat tayangan beragai
media massa.</span></span></span>
 </p>
 <p style="margin-left: 0pt; text-align: justify;"><span style="line-
height:1.4em;"><span    style="font-size:14px;"><span    style="font-
family:georgia,serif;"><strong>6. </strong><strong>Masalah
Narkoba</strong></span></span></span>
 </p>
 <p style="text-align: justify;"><span style="line-height:1.4em;"><span
style="font-size:14px;"><span                                  style="font-
family:georgia,serif;">Dampak negatif dari letak geografis Indonesia,
dilihat dari kacamata bandar narkoba, Indonesia strategis dalam hal
pemasaran obat-obatan terlarang. Namun sayangnya, sanksi yang
diberikan terkesan kurang tegas sehingga tidak menimbulkan efek jera.
Akibatnya, banyak generasi muda yang masa depannya suram karena
kecanduan narkoba.</span></span></span>
 </p>
 <p style="margin-left: 0pt; text-align: justify;"><span style="line-
height:1.4em;"><span    style="font-size:14px;"><span    style="font-
family:georgia,serif;"><strong>7. </strong><strong>Masalah
Penegakan Hukum yang Berkeadilan</strong></span></span></span>
 </p>
 <p style="text-align: justify;"><span style="line-height:1.4em;"><span
style="font-size:14px;"><span  style="font-family:georgia,serif;">Salah
satu tujuan dari gerakan reformasi adalah mereformasi sistem hukum dan
sekaligus meningkatkan kualitas penegakan hukum. Memang banyak
faktor yang berpengaruh terhadap efektivitas penegakan hukum, tetapi
faktor dominan dalam penegakan hukum adalah faktor manusianya.
Konkretnya penegakan hukum ditentukan oleh kesadaran hukum
masyarakat      dan       profesionalitas      aparatur      penegak
hukum.</span></span></span>
 </p>
 <p style="margin-left: 0pt; text-align: justify;"><span style="line-
height:1.4em;"><span    style="font-size:14px;"><span    style="font-
family:georgia,serif;"><strong>8. </strong><strong>Masalah
Terorisme</strong></span></span></span>
 </p>
```

```
    <p style="text-align: justify;"><span style="line-height:1.4em;"><span
style="font-size:14px;"><span   style="font-family:georgia,serif;">Salah
satu masalah besar yang dihadapi Indonesia saat ini adalah terorisme.
faktanya terdapat beberapa kelompok teroris yang sudah ditangkap dan
dipenjarakan berdasarkan hukum yang berlaku. Para teroris tersebut
melakukan kekerasan kepada orang lain dengan melawan hukum dan
mengatasnamakan agama.</span></span></span>
    </p>
    <p style="text-align: justify;"><span style="line-height:1.4em;"><span
style="font-size:14px;"><span                              style="font-
family:georgia,serif;">Dengan       masalah      tersebut,      maka    urgensi
pendidikan Pancasila di perguruan tinggi, yaitu : Mahasiswa tidak
tercerabut dari akar budayanya sendiri; Mahasiswa memiliki pedoman
atau kaidah penuntun dalam berpikir dan bertindak dalam kehidupan
sehari-hari dengan berlandaskan nilai-nilai Pancasila; Memperkokoh jiwa
kebangsaan      mahasiswa      sehingga     menjadi     dorongan     pokok
(<em>leitmotive</em>) dan bintang penunjuk jalan (<em>leitstar</em>)
(Abdulgani,     1979:    14)    Dan    Sebagai   pembentuk    <em>civic
disposition</em> yang dapat menjadi landasan untuk pengembangan
<em>civic knowledge</em> dan <em>civic skills </em>mahasiswa
Branson (1998).</span></span></span>
    </p>
    <p style="text-align: justify;"><span style="line-height:1.4em;"><span
style="font-size:14px;"><span                              style="font-
family:georgia,serif;">Diharapkan     dengan     belajar    tentang   Pancasila
merupakan    proses   pembelajaran    dengan    menggunakan     pendekatan
student centered <em>learning</em>, untuk mengembangkan knowledge, attitude,
dan skill mahasiswa sebagai calon pemimpin bangsa dalam membangun
jiwa profesionalitasnya sesuai dengan program studinya masing-masing,
serta dengan menjadikan nilai-nilai Pancasila sebagai kaidah penuntun
(<em>guiding principle</em>) sehingga menjadi warga negara yang baik
(<em>good citizenship</em>).</span></span></span>
    </p>
</div>
```

Sourcecode Javascript

1. *Login*

```
        var Username = g_arVars['username'];
        var Password = g_arVars['password'];
        var url = url_update();
        var moduleID = callModuleID();
        var uurl = url_password();
        if ((Username !== '')&(Password!==''))
        {
           var                         status                         =
        create_newFile(moduleID,Username,Password,'INVALID');

           if (status === 'OK')
             {

                var text = read_file();
                var array = text.split(',');
                var json = "username="+array[1]+"&password="+array[2];
                passValidation(uurl, json,'');


             }
        }
        else
        {
           alert('Enter your Username & Password');
        }
```

2. Simpan Nilai

```
        var score = CL.SCO.GetObjectiveScore({ sId: 'ch1' });
        alert("Saved");
        store_data('Jawab1','Test1',score);
        sendDataPost();
```

3. Modul.js Siswa

```
            var moduleID = "'MN-004 PENDIDIKAN PANCASILA
            MANAJEMEN A 2019";
            var text_assign = ';
            var codeID  = 68;
            var codeIDH = 225;

            localStorage.setItem('Pancasila');
            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]=studentNam
        e;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;
        }
```

```
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){ //untuk mengecek user
yg login di app terdaftar atau tdk di server
     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" });
            }
          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 sendDataPost(){  //ngirim data file local ke server
          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) {}
        });
    });
}
```

```javascript
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')){fou
nd=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")|(m
Array[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")|(m
Array[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();
}
```

4. Modul.js Guru

```
function InitModule()
{
}

// ShutdownModule
function ShutdownModule()
{
}

var moduleID = 'MN-004 PENDIDIKAN PANCASILA MANAJEMEN A
2019';
var courseID = 'MN-004 PENDIDIKAN PANCASILA MANAJEMEN A 2019';
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 'LM001PKBUNISA';
}

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(){
   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();}
     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){
                              dataTugas = cArray[ci+1];
                              dataTugas                =
dataTugas.replace(/~/g , ",");

                              score = cArray[ci+2];
                         }
                         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(',');
                if (cArray.length>4){
                        for (ci=4;ci<cArray.length+1;ci++){
                                if (array[ci] == chapter)
                                    {
                                            var cpText = cArray[ci+1];
                                            cpText = cpText.replace(/~/g , ",");
                                            var score = cArray[ci+2];
                                            var awText = cpText.split(/(\s+)/);
                                            var awLength = awText[0].length;
                                            if (awLength<11) {
                                                    for          (i=0;i<(11-
awLength);i++)

                                                    awText[0]+='*';
                                            }
```

```
                                              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>"+array[ci+2]+"</td>";

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

      arrBuffers[number][4]=array[ci+2];
                                              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){
        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);
}
```

5. Halaman *Home* Guru

```
        var code = codenumber();

        sSlideId = CLZ.sCurrentSlideId;

        slideName = localStorage.setItem(code,sSlideId);

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

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

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

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

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

        var chapter = g_arVars['chapters'];

        localStorage.setItem("thischapter",chapter);

        var sub = document.getElementById('subject');

        sub.innerHTML                =                "<center><font
            color='green'><b>Pancasila</b></font></center>";
```

6. *Button Search* Guru
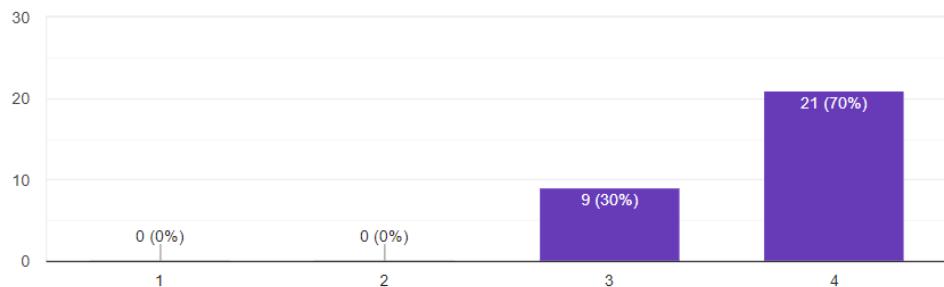
```
var mapel = g_arVars['kode'];

var chapter = g_arVars['chapters'];

localStorage.setItem("thischapter",chapter);

if (mapel != ""){

updateCode(mapel);

load_js();

CL.Open.Slide({ slideid:  slideName});

}

else {alert("Cek kode kelas")}
```

Hasil Kuesioner

kemudahan pada penggunaan aplikasi
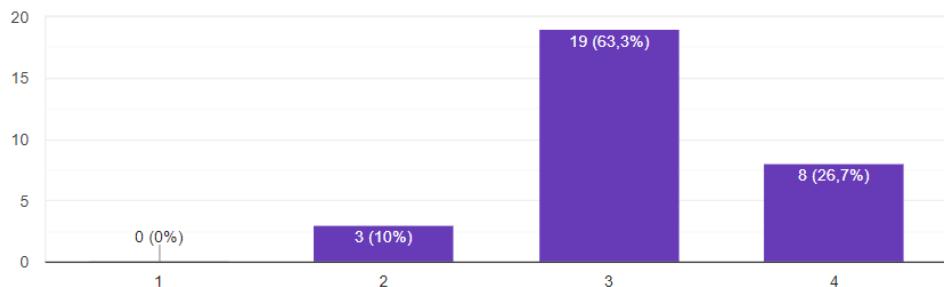
Instalasi Aplikasi Mudah

30 tanggapan
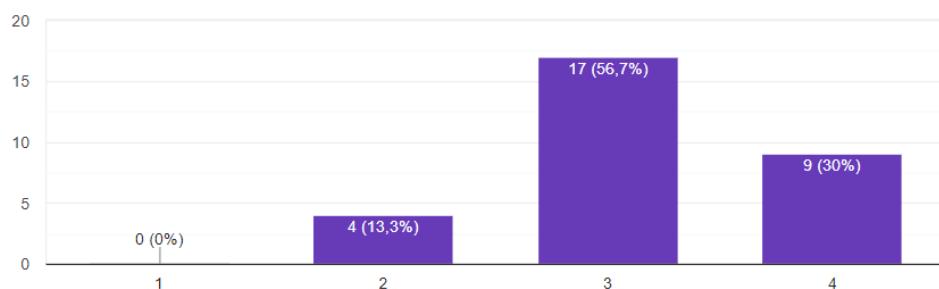
Akses materi pada aplikasi mudah

30 tanggapan
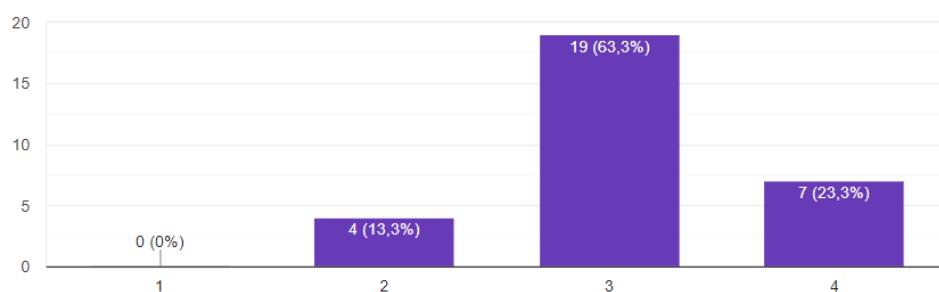
Materi pada aplikasi mudah untuk di pahami

30 tanggapan
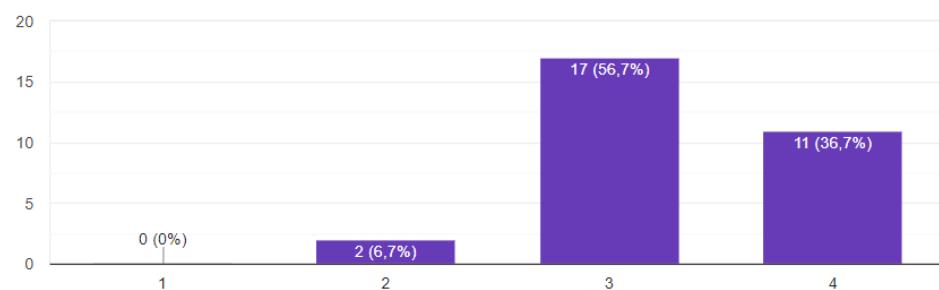
Isi konten pada aplikasi mudah untuk di hafal

30 tanggapan
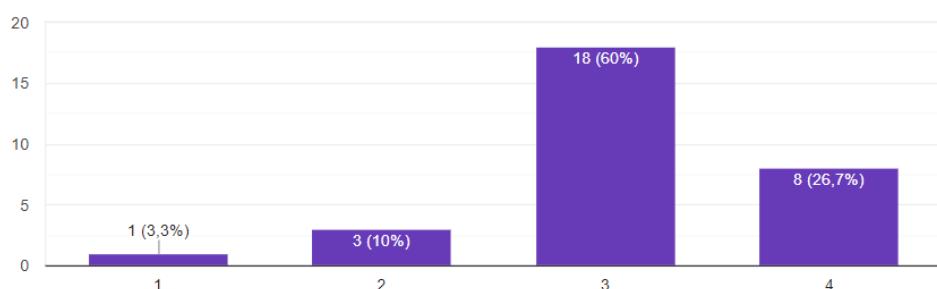
Aplikasi mudah digunakan

30 tanggapan

Pada aplikasi mudah mendapatkan respon guru
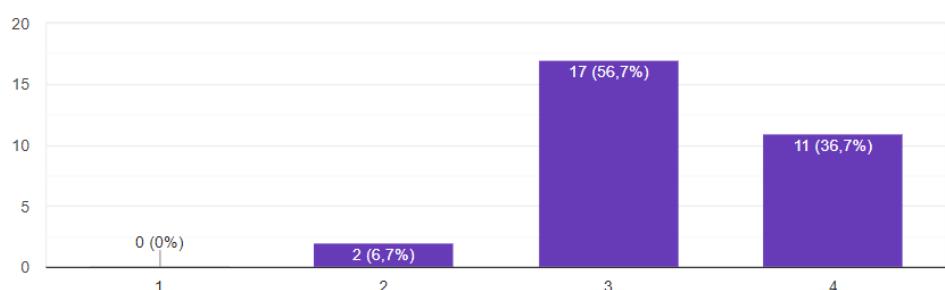
30 tanggapan

Ketertarikan pada pelajaran setelah penggunaan aplikasi
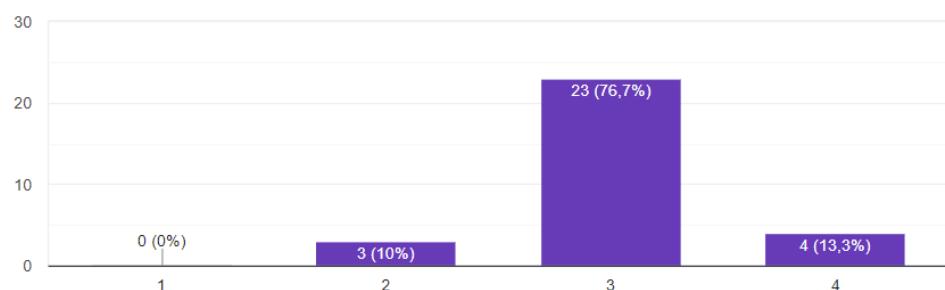
Diskusi dalam kelas menjadi menarik

30 tanggapan
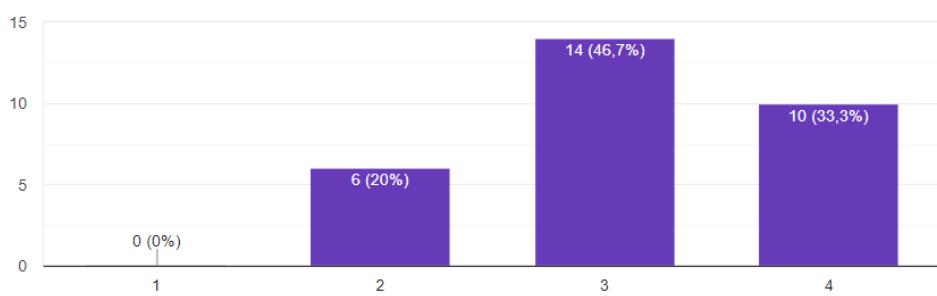
Tertarik untuk belajar PKN dalam kelas

30 tanggapan
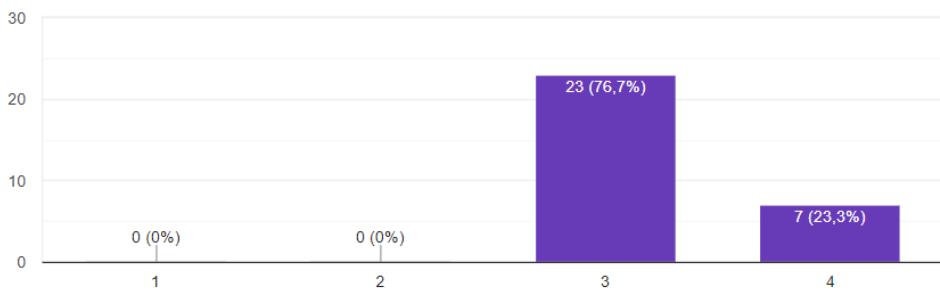
Penasaran atas Isu-isu terbaru dalam materi PKN

30 tanggapan

Nilai	Jumlah
1	0 (0%)
2	6 (20%)
3	14 (46,7%)
4	10 (33,3%)
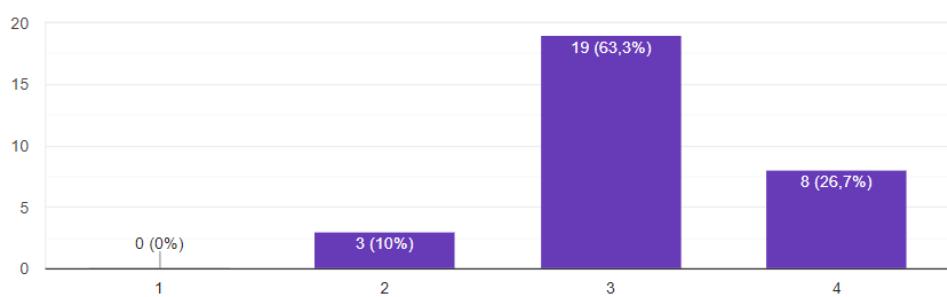
Suka mendengarkan materi yang disampaikan dalam kelas

30 tanggapan

Nilai	Jumlah
1	0 (0%)
2	0 (0%)
3	23 (76,7%)
4	7 (23,3%)

Selalu ingin memberi pendapat pada materi yang disampaikan

30 tanggapan

Nilai	Jumlah
1	0 (0%)
2	3 (10%)
3	19 (63,3%)
4	8 (26,7%)

Konferensi

    b. Paper

DEVELOPMENT CONTENT AND METHOD OF *MOBILE LEARNING* FOR CIVIC EDUCATION SUBJECT

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Abstract: Civic Education is one of the compulsory lessons. Every student in Indonesia always studies this material from elementary to tertiary level. Civic Education has a goal so that students know Indonesia and build character to love the country. However, the content and learning model from beginning to end is almost identical, so it is easy to understand that the higher the level of education, students are not interested and consider it not necessary. Therefore, Civic Education requires innovation to make it more attractive, so they are enthusiastic about learning it, especially for high school students. If we pay attention to the content of Civic Education material, we chose a topic from the practice of daily life in the family, school, and community. We can make it more interesting if we use multimedia technology suitable for smartphones. The innovation approach with smartphones potentially for these problems because students were very familiar with this equipment. In this study, we developed an Android smartphone-based application to present subject matter interactively, so students are interested in self-study at home. We also designed this independent learning activity to stay under the supervision and guidance of the teacher. We designed the mobile application so that student interest to learn anytime. Also, they can learn in anywhere, whether there is an internet connection or not. Also, we add topics from everyday cases taken from the social and political issue, which as trending topics on social media for class discussion. From our experiments, we found something interesting, where more students began to dare to express opinions about the value of truth in attitudes in society. Most students seem to be more interested in learning deeper using the application to sharpen their opinions. We conclude that this learning innovation is more exciting and able to have a positive impact on students.

Keywords: Civic Education, Innovation, Mobile learning.

1. INTRODUCTION

This paper discusses how to make innovations in learning using mobile learning so that students can learn effectively. Technology is always developing and creating amazing discoveries to support human needs (Urfan, Dedy, & Titi, 2016). Advances in technology provide much influence in various fields, especially in the field of education (Sulastri & Hakim, 2014) (Astuti, Sumarni, & Saraswati, 2017). The existence of technology in the field of education makes the community more creative to make education more advanced (Husain, 2014).

We must create innovation in teaching and learning, appropriate, exciting, and easy to understand, learning media. Various learning media are developing at this time, such as with books, television, computers, and mobile phones (Kozma , 1991). One of the most straightforward uses of media is learning by using media mobile (Pelet, Papadopoulou, Khan, & Bernardin, 2014). According to Samuel, students in this millennial generation spend more time playing mobile phones so that many students today find it challenging to understand the lessons learned at school (Gideon, 2018). A researcher Sung concluded that using a mobile phone device in education is better than using a desktop computer (Yao-Ting, Chang, & Liu, 2016) .

Learning media with mobile phones is called Mobile learning (Parsons & Ryu, 2006). Mobile learning defines mobile phones as learning media, devices, and wireless and digital technologies that students use when they study (M. El-Hussein & Cronje , 2010). Another definition of mobile learning is wireless learning, which facilitates the idea of computing to apply by mobile learning aimed at providing flexible education (Yordanova, 2007) (Sunandar, Buchori, Rahmawati, & Kusdaryani, 2017).

Mobile learning promotes the best of accessibility as the advantages. Mobile learning has easy access, whether it is a matter of time, place, or comfort of use (G. Caudill, 2007). with its mobile learning to learn where and whenever it gives a sense of freedom (Sibanyoni & Alexander, 2017). Mobile learning can stimulate motivation to recognize problems related to subjects (Jordaan, Laubscher, & Blignaut, 2008) .

The purpose of this study is to increase the effectiveness and flexibility of students in learning civic education. Civic education is one of the educational programs or subjects required in the curriculum at each type, track, and level of education in article 37 sections 1 and 2 of Law No.20 of 2003 (Rismayani, 2013). However, according to Sunarta, students consider that civic education is an easy and not important lesson, especially not included in the national exam. The mobile learning has led to a lack of interest, motivation, and activeness, and student achievement in civic education lessons (Sunarta, 2016).

To increase interest in learning Civic education to achieve better performance requires a new learning method. A teacher

plays a role in directing students to use mobile learning as a means of learning or gaining more knowledge and can be done anytime and anywhere (Baran, 2014). Mobile learning also makes it easier for teachers to monitor the learning process of their students (Abdullah & Noor). The student gives more attention to the teacher; this means that the student can learn effectively (MCCONATHA & PRAUL, 2008). From this study, we can develop a similar application for other subjects that have the same problems as civic education, such as sociology and history.

2. APPLICATION DESIGN

Table 1 shows the concept of learning innovation in the use of mobile learning . This design is a learning concept from the old method to the new method using the application of the mobile learning concept. We reviewed the previous method by several aspects of instructional media such as materials, learning methods, and tools. The purpose of this application makes media learning with a new method in which aspects of it are also develop. In the previous method, the material divided into Factual Knowledge and Conceptual Knowledge where Factual Knowledge is the material definition of the book, and Conceptual Knowledge is the concept of the definition that exists in Factual Knowledge. In the new method, the material will be refined again into three parts, namely Factual Knowledge, Conceptual Knowledge, Procedural Knowledge where Procedural
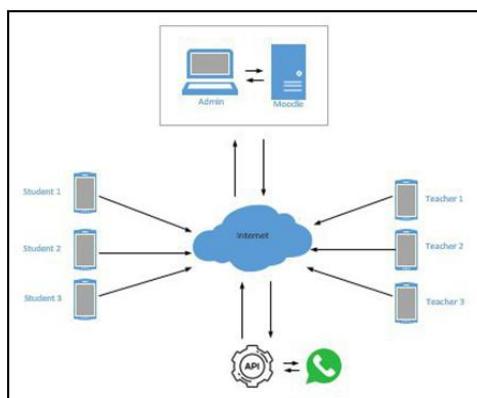
Knowledge is the addition of material with a real case of the explanation Factual Knowledgeand Conceptual Knowledge.

Tabel 1 Architecture

Item	Previous method	New method
Material	Factual Knowledge, Conceptual Knowledge	Factual Knowledge, Conceptual Knowledge, Procedural Knowledge
Method	Face-to-Face	Blended Learning
Tools	Presentation Tool	Mobile learning

The previous method generally uses books for home study as well as classroom presentation tools for face-to-face activities. Students should read books before attending learning in class. The teacher will explain the material using a presentation device. This method is sufficient because the subject matter only covers the Factual Knowledge and Conceptual Knowledge domains. However, without realizing the students generally feel bored because just listening to the teacher's explanations. The new method uses the concept of blended learning and also enriches learning material. Blended learning combines independent learning activities using mobile learning as well as classroom discussion activities. The teacher uses discussion activities to discuss current issues. With this model, we hoped that students

would not get bored quickly, because they are more challenged to think about how to solve the country's actual problems. We can use as discussion material in class with the theme of threats in Indonesia. An example that can discuss in class is the theme of threats in Indonesia. For example, with the emergence of the threat of riots between regions, the gap will become a tolerance between religions. With various materials as mentioned students can think to overcome this problem.

Figure 1 System Architecture

From the above conditions, we develop the design architecture in **Figure 1** as follows:

1. The admin who manages users and subjects.

2. Teachers can control, evaluate, and provide feedback to students, any place, and anywhereonline.

3. Students can access material, work on kuiszes anywhere and anytime.

3. RESULTS

In this study, we conducted an experiment with 24 students of a high school. By using a questionnaire separately find out the level of convenience and level of attention of students. Table 2 and Table 3 show the results of the questionnaire.

Tabel 2 The Result of The Ease of Using APPS

No	Question	Percentage
1	Install the application easily	83,3%
2	easy access to the subject matter	87,5%
3	The subject matter is easy to understand	66,7%
4	remember content easily	70,8%
5	The application is easy to use	79,1%
6	Easily get teacher responses	70,8%

Table 2 shows the question questionnaire and the percentage of answers that agree or strongly agree. The purpose of collecting this questionnaire is to determine the level of ease of learning using mobile learning. While the goal in **Table 3** is to find out students' interest in attending class discussions. From this data, almost all students agreed that learning to use mobile learning is easy. Many students also agree after using mobile learning. They felt interested in being actively involved in class discussions.

Tabel 3 The Result Of Interest Discussion in Class

No	Question	Percentage
1	Interesting discussion	83,3%

2	interest in attend learning in class	83,3%
3	Curious about the issue	95,8%
4	Prefer to listen	66,7%
5	Want to give opinions	79,1%

4. DISCUSSION

The initial purpose of developing this application was to facilitate students in learning citizenship education. Because, when studying at school, students have limitations in learning citizenship education. This experiment has shown that students find it easier to learn citizenship education using mobile learning. Besides, those students feel comfortable because the student feels easy to install the application on their smartphone. The convenience of the mobile app made students interested in using this application. Moreover, they can access the material anytime and from anywhere.

The system in this study is straightforward for students to understand the material. However, this application system has not been able to improve learning outcomes; this is due to the learning method using mobile learning does not have much difference from conventional learning methods. The significant level is only 0.1% higher when learning to use mobile learning. From the previous student's average grade, 85.5% rose to 85.6%. However, if we compare student grades one by one, we might get different results. The overall experiment result shows that students learn differently.

Based on our research, the thing that is an advantage of mobile learning is that it makes students interested and involved in class discussions. Students are interested in discussing because they understand the concepts learned using mobile learning. It also prepares students interested in addressing social issues, politics, and the state.
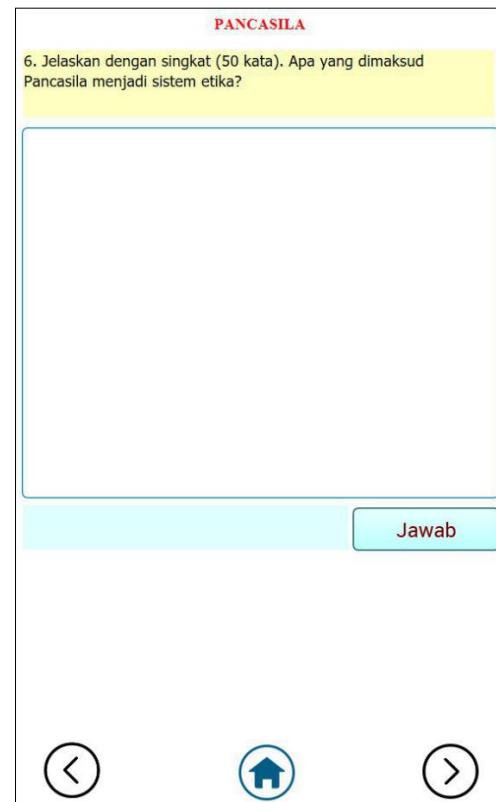
This system has many advantages; however, this system is not yet capable of teacher habits. As we know the rules and curriculum are very binding on teachers; this, of course, dramatically shapes the daily activities of teachers. We find it easier to change student habits rather than the teacher. We give students freedom in they will use smartphone learn. Students may study at any time and from anywhere. Even though the teachers must also supervise students when they are learning.

Figure 2 Layout of Factual Knowledge and Conceptual Knowledge

Based on the method that must be applied, it can facilitate the teacher in teaching. Teachers usually teach in several classes, therefore it is difficult for teachers to teach optimal lessons to students in a class. However, with the help of mobile learning, the teacher will help monitor and evaluate each student. With this application, the teacher can also assess his students. Based on trials conducted on teachers, this application can motivate students in learning citizenship education. Also, teachers believe that using this application is more promising than using conventional teaching methods.

Figure 2 is an interface design of student modules that consists of Factual Knowledge and conceptual knowledge. On this page, students can access and understand the material in the form of facts and concepts from civic education subjects according to the theme of the material. While **Figure 3** is the interface of the student module that contains procedural knowledge. This page requires students to answer the questions posted. Student answers will automatically be sent to the server and will appear in the teacher module. This question becomes the subject of discussion as well as procedural knowledge.

Figure 3 Procedural Knowledge

The teacher module in **Figure 4** has access to monitor student's activity using mobile application. The teacher can see a list of students, WhatsApp id (phone number), student answers, and student scores. The list of students has a WhatsApp link for private communication. By using this feature, a teacher can monitor student learning activities, including being able to correct student answers. This application also makes it easy for teachers to provide feedback and motivate students personally to use WhatsApp.

With the advantage of the application, we shift the main teacher activity from classroom to virtual room. There are two primary teaching responsibilities, and those are finding less motivation and student

understanding. A teacher can give particular attention to each student. A teacher can give guidance or motivation for every student. If a teacher found some similar problem, either less motivation or understanding, a teacher can conduct group discussion in the classroom. This show how feedback learning or GFLM working. We believe this method is effectively working if a teacher willing to change their main activities. The teacher must more attention to monitoring, evaluating, and guiding the students rather than just teaching only. We found three central concepts of this system which make the learning more engaging, and those are the full meaning content (factual, conceptual, procedural), the advantage of technology (mobile application), and the appropriate method (GFLM).

Figure 4 Teacher's Module

CONCLUSIONS

This development resulted in media research civic education using mobile learning. By using this media presentation of the material in the learning process is carried out. Although the results do not change the value of knowledge, there is progress in increasing learning activities. Learning media using this application is appropriate for students to use as independent learning tools. Moreover, the teacher and students can communicate using the "WhatsApp" message application while studying. Of course, this can help teachers in controlling student learning activities when outside school hours. The teacher can also see student learning activities and see the results of the kuis done by students. When the value of low student, the teacher can send a message to the students.

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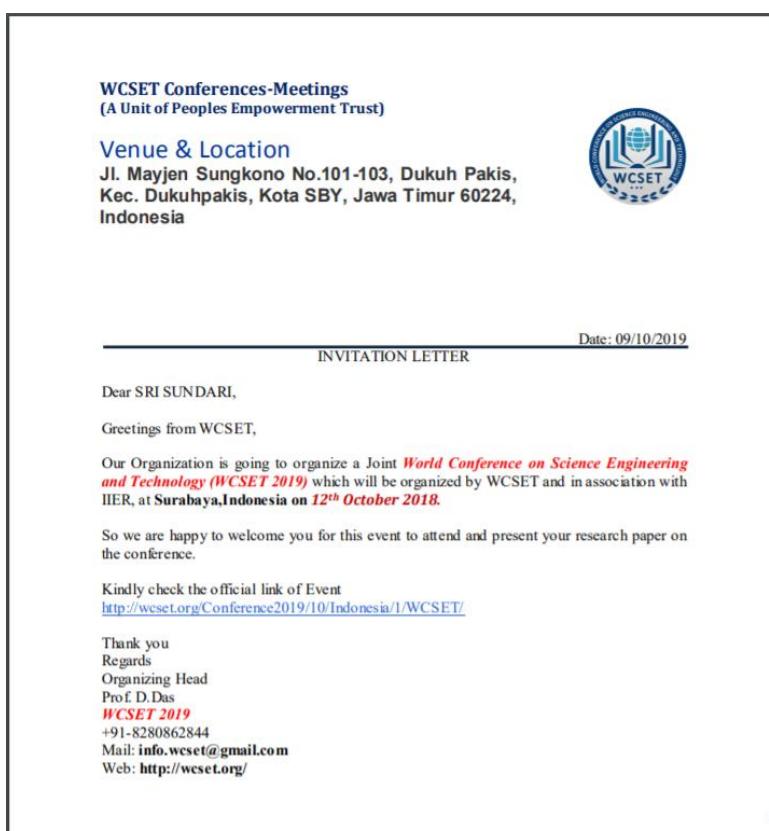Yaumi, M. (2017). *Media dan Teknologi Pembelajaran.* Prenadamedia Group.

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- *Acceptance Letter*

- *Invitation Letter*

- *Certificate*