



LAMPIRAN A

KODE PROGRAM PADA SISI *SERVER*

BIODATA PENULIS

A1. Controller : communication.php

```
<?php
class Communication extends Login
{
    public $sql;
    public $cmd;
    public $result;
    public $strquot;
    public $crypt;
    public $newCrypt;
    public $opti;
    public $mydb;
    public $mynama;
    public $mynip;
    public $mysandi;
    public $val;
    public $mylistuser;
    public $user;
    public $extractnim;
    public $extractdate;
    public $realdate;
    public $datenow;
    public $resultnow;
    public $listmahasiswamakul;
    public $extractedmakul;
    public $key;
    public $value;

    public function getConnection()
    {
        $this->mydb=$this-
>connectDB("localhost","root","","skripsi");
        return $this->mydb;
    }

    public function masukPortal($submit,$usr,$psd)
    {
        if(isset($submit))
        {
            if($usr==" || $psd=="")
            {
                echo "<br><div class='alert alert-danger'>Nama
Pengguna atau Kata Sandi Anda Kosong!</div>";
            }
            else
            {
                $this-
>strquot=str_replace(array("'", "\""), ".", $usr);
                $this-
>crypt=md5(mysqli_real_escape_string($this-
>getConnection(), $psd));
                $this->newCrypt=substr($this->crypt,0,30);
            }
        }
    }
}
```

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```
        $this->sql="SELECT * FROM login WHERE
username='".mysql_real_escape_string($this-
>getConnection(),$this->strquot)."' AND password='$this->newCrypt'
AND status='sudah' AND blacklist='tidak'";
        $this->cmd=mysqli_query($this-
>getConnection(),$this->sql);

        if(mysqli_num_rows($this->cmd)>0)
        {

                $this->opti="<meta http-
equiv='refresh' content='0; url=index.php'>";
                while($this-
>result=mysqli_fetch_array($this->cmd)
                {

$_SESSION['userportalelektro']=$this->result['username'];

$_SESSION['levelportalelektro']=$this->result['level'];

$_SESSION['namadepanportalelektro']=$this->result['nama_depan'];

$_SESSION['namabelakangportalelektro']=$this-
>result['nama_belakang'];

                }

                echo "<br><div class='alert alert-
success'>Login berhasil, anda akan diarahkan ke halaman
utama.</div>";

                return $this->opti;

        }
        else
        {

                echo "<br><div class='alert alert-
danger'>Nama Pengguna atau Kata Sandi Tidak Dikenal!</div>";

        }

    }
}

public function logout()
{
    session_start();
    session_unset("userportalelektro");
    session_unset("levelportalelektro");
}
```

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```
session_unset("namadepanportalelektro");
session_unset("namabelakangportalelektro");
header("Location: index.php");

}
public function tambahAkun($button,$nama,$nip,$password)
{
    $this->mynama=str_replace(array("", "\\\""), "", $nama);
    $this->mynip=str_replace(array("", "\\\""), "", $nip);
    $this->mysandi=str_replace(array("", "\\\""), "", $password);
    $this->crypt=md5(mysqli_real_escape_string($this->getConnection(), $password));
    $this->newCrypt=substr($this->crypt,0,30);
    if(isset($button))
    {
        if($this->mynama==" || $this->mynip==" || $this->mysandi=="")
        {
            echo "<br><div class='alert alert-danger'>Gagal membuat akun baru, pastikan tidak ada data yang kosong!</div>";
        }
        else
        {
            if(!preg_match('/^[A-Za-z -]*$/ ', $this->mynama))
            {
                echo "<br><div class='alert alert-danger'>Gagal membuat akun baru, terdapat karakter yang tidak diizinkan!</div>";
            }
            else if(!preg_match('/^[0-9-]*$/ ', $this->mynip))
            {
                echo "<br><div class='alert alert-danger'>Gagal membuat akun baru, terdapat karakter yang tidak diizinkan!</div>";
            }
            else
            {
                if($this->checkUser($this->mynip)==true)
                {
                    echo "<br><div class='alert alert-danger'>Gagal membuat akun baru, NIP/NP sudah digunakan!</div>";
                }
                else
                {
                    $this->sql="INSERT INTO login VALUES ('', '$this->mynip', '$this->newCrypt', '', '', '$this->mynama', '', '', '', '', '', '12006199_1504123769901307_3069846899759183022_n.jpg', 'Member', 'sudah', 'tidak', '".time()."')";
                    mysqli_query($this->getConnection(), $this->sql);
                    echo "<br><div class='alert alert-success'>Berhasil membuat akun baru, harap dicatat data berikut
```

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```
ini<br> <b>Nama pengguna : ".$this->mynip."<br>Kata sandi :  
".$this->mysandi."</b></div>";  
                return true;  
            }  
        }  
    }  
}  
public function checkUser($user)  
{  
    $this->sql="SELECT * FROM login WHERE  
username='$user'";  
    $this->cmd=mysqli_query($this->getConnection(),$this->  
>sql);  
    if(mysqli_num_rows($this->cmd)>0)  
    {  
        return true;  
    }  
    else  
    {  
        return false;  
    }  
}  
//all lecturer's account  
public function listAccount()  
{  
    $this->val=0;  
    $this->mylistuser=array();  
    $this->sql="SELECT * FROM login WHERE level='Member'  
AND status='sudah' AND blacklist='tidak' ORDER BY nama_depan";  
    $this->cmd=mysqli_query($this->getConnection(),$this->  
>sql);  
    while($this->result=mysqli_fetch_array($this->cmd))  
    {  
        $this->val++;  
        $this->mylistuser[$this->val]['username']=$this->  
>result['username'];  
        $this->mylistuser[$this->val]['picture']=$this->  
>result['picture'];  
        $this->mylistuser[$this->val]['nama_depan']=$this->  
>result['nama_depan'];  
        $this->mylistuser[$this->  
>val]['nama_belakang']=$this->result['nama_belakang'];  
    }  
    return $this->mylistuser;  
}  
public function listMakul($id)  
{  
    $id=str_replace(array("","\\\""),"", $id);  
    $this->val=0;  
    $this->mylistuser=array();  
    $this->sql="SELECT * FROM mata_kuliah_baru WHERE  
id='$id' AND dosen='".@$_SESSION['userportalelektro'].''";  
    $this->cmd=mysqli_query($this->getConnection(),$this->  
>sql);
```

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```
        if(!isset($id) || $id=="")
        {
            return "empty";
        }
        else{
            if(mysqli_num_rows($this->cmd)>0)
            {
                while($this->result=mysqli_fetch_array($this-
>cmd))
                {
                    $this->val++;
                    $this->mylistuser[$this-
>val]['makul']=$this->result['makul'];
                }
                return $this->mylistuser;
            }
            else
            {
                header("Location:
http://localhost/skripsi/errors/404_not_found");
            }
        }
    }
    public function listallMakul()
    {
        $this->val=0;
        $this->mylistuser=array();
        $this->sql="SELECT * FROM mata_kuliah_baru WHERE
dosen='".@$SESSION['userportalelektro']."' ORDER BY makul";
        $this->cmd=mysqli_query($this->getConnection(),$this-
>sql);
        while($this->result=mysqli_fetch_array($this->cmd))
        {
            $this->val++;
            $this->mylistuser[$this->val]['id']=$this-
>result['id'];
            $this->mylistuser[$this->val]['makul']=$this-
>result['makul'];
        }
        return $this->mylistuser;
    }
    public function listallMahasiswa()
    {
        $this->val=0;
        $this->mylistuser=array();
        $this->sql="SELECT * FROM daftar_mahasiswa ORDER BY
nim DESC";
        $this->cmd=mysqli_query($this->getConnection(),$this-
>sql);
        while($this->result=mysqli_fetch_array($this->cmd))
        {
```

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```
$this->datenow=intval(date("n"));
$this->extractdate=date("Y");
$this->extractdate=intval(substr($this-
>extractdate,2,2));
$this->extractnim=intval(substr($this-
>result['nim'],3,2));
$this->realdate=$this->extractdate-$this-
>extractnim;
if($this->realdate==0)
{
    $this->resultnow=1;
}
else if($this->realdate==1)
{
    if($this->datenow>=9)
    {
        $this->resultnow=1;
    }
    else
    {
        $this->resultnow=2;
    }
}
else if($this->realdate==2)
{
    if($this->datenow>=9)
    {
        $this->resultnow=3;
    }
    else
    {
        $this->resultnow=4;
    }
}
else if($this->realdate==3)
{
    if($this->datenow>=9)
    {
        $this->resultnow=5;
    }
    else
    {
        $this->resultnow=6;
    }
}
else if($this->realdate==4)
{
    if($this->datenow>=9)
    {
        $this->resultnow=7;
    }
    else
    {
        $this->resultnow=8;
    }
}
}
```


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```
else if($this->realdate==5)
{
    if($this->datenow>=9)
    {
        $this->resultnow=9;
    }
    else
    {
        $this->resultnow=10;
    }
}
else if($this->realdate==6)
{
    if($this->datenow>=9)
    {
        $this->resultnow=11;
    }
    else
    {
        $this->resultnow=12;
    }
}
else if($this->realdate==7)
{
    if($this->datenow>=9)
    {
        $this->resultnow=13;
    }
    else
    {
        $this->resultnow=14;
    }
}
else
{
    $this->resultnow="Alumni";
}
$this->val++;
$this->mylistuser[$this->val]['nama']=$this-
>result['nama'];
$this->mylistuser[$this->val]['nim']=$this-
>result['nim'];
$this->mylistuser[$this->val]['semester']=$this-
>resultnow;
}
return $this->mylistuser;
}
public function addlisttoMhs($button,$makul,$mahasiswa)
{
    if(isset($button))
    {
        if($makul=="")
        {
            echo "<br><div class='alert alert-
danger'>Gagal mendaftarkan mahasiswa, pilih mata kuliah pada kolom
```

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```
sebelah kiri!</div>";
    }

    else
    {
        if(count($mahasiswa)==0)
        {
            echo "<br><div class='alert alert-
danger'>Anda tidak memilih apapun!</div>";
        }
        else
        {
            foreach($mahasiswa as $this-
>listmahasiswamakul)
            {
                $this->sql="UPDATE daftar_mahasiswa
SET makul='$makul' WHERE nama='$this->listmahasiswamakul'";
                mysqli_query($this-
>getConnection(),$this->sql);
                $this->insertMhs($this-
>listmahasiswamakul,$makul);
            }
            echo "<br><div class='alert alert-
success'>Mahasiswa berhasil didaftarkan.</div>";
        }
    }
}

public function insertMhs($mhs,$makul)
{
    if($this->checkMkul($mhs,$makul)==true)
    {
    }
    else
    {
        $this->sql="INSERT INTO daftar_mhs
(nama,nim,makul,regId) SELECT nama,nim,makul,regId FROM
daftar_mahasiswa WHERE nama='$mhs'";
        mysqli_query($this->getConnection(),$this->sql);
    }
}

public function checkMkul($mhs,$makul)
{
    $this->sql="SELECT * FROM daftar_mhs WHERE nama='$mhs'
AND makul='$makul'";
    $this->cmd=mysqli_query($this->getConnection(),$this-
>sql);
    if(mysqli_num_rows($this->cmd)>0)
    {
        return true;
    }
    else
    {

```

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```
        return false;
    }
}
public function extractMakul($id)
{
    $this->sql="SELECT * FROM mata_kuliah_baru WHERE
id='$id'";
    $this->cmd=mysqli_query($this->getConnection(), $this-
>sql);
    while($this->result=mysqli_fetch_array($this->cmd)
    {
        return $this->result['makul'];
    }
}
public function gettingDataFromMHS($id)
{
    $id=str_replace(array("'", "\\"), "", $id);
    $this->extractedmakul=$this->extractMakul($id);
    $this->mylistuser=array();
    $this->sql="SELECT * FROM daftar_mhs WHERE
makul='$this->extractedmakul'";
    $this->cmd=mysqli_query($this->getConnection(), $this-
>sql);
    while($this->result=mysqli_fetch_array($this->cmd)
    {
        $this->mylistuser[]=$this->result['nama'];
    }
    return $this->mylistuser;
}
public function getDatFromMakul($id)
{
    if(!isset($id) || $id=="")
    {
        //do nothing
    }
    else
    {
        $id=str_replace(array("'", "\\"), "", $id);
        $this->extractedmakul=$this->extractMakul($id);
        $this->val=0;
        $this->mylistuser=array();
        $this->sql="SELECT * FROM daftar_mhs WHERE
makul='$this->extractedmakul'";
        $this->cmd=mysqli_query($this->getConnection(), $this-
>sql);
        if(mysqli_num_rows($this->cmd)>0)
        {
            while($this->result=mysqli_fetch_array($this->cmd)
            {
                $this->val++;
                $this->mylistuser[$this->val]['nama']=$this-
>result['nama'];
                $this->mylistuser[$this->val]['makul']=$this-
```

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```
>result['makul'];

    }
    return $this->mylistuser;
    }
    else
    {
        //header("Location:
http://localhost/skripsi/errors/404_not_found");
    }

    }

}
//data for gcm notification
public function getDatingFromMakul($id)
{

    $id=str_replace(array("'", "\\"), "", $id);
    $this->extractedmakul=$this->extractMakul($id);
    $this->mylistuser=array();
    $this->sql="SELECT * FROM daftar_mhs WHERE
makul='$this->extractedmakul'";
    $this->cmd=mysqli_query($this->getConnection(), $this-
>sql);
    while($this->result=mysqli_fetch_array($this->cmd))
    {

        $this->mylistuser[]=$this->result['regId'];

    }
    return $this->mylistuser;

}
public function insertNewMakul($button, $makul)
{
    if(isset($button))
    {
        $makul=str_replace(array("'", "\\"), "", $makul);
        if($makul=="")
        {
            echo "<br><div class='alert alert-
danger'>Karakter yang anda masukkan kosong!</div>";
        }
        else
        {
            $this->sql="INSERT INTO mata_kuliah_baru
VALUES('', '$makul', '".@$_SESSION['userportalelektro']. "')";
            mysqli_query($this->getConnection(), $this-
>sql);

            echo "<br><div class='alert alert-
```

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```
success'>Berhasil, anda telah menambahkan mata kuliah
baru.</div>";

    }
}
}
public function hapusMataKuliah($button,$nama)
{
    if(isset($button))
    {
        if(count($nama)==0)
        {
            echo "<br><div class='alert alert-danger'>Anda
tidak memilih apapun!</div>";

        }
        else
        {
            foreach($nama as $this->listmahasiswamakul)
            {
                $this->sql="DELETE FROM
mata_kuliah_baru WHERE makul='$this->listmahasiswamakul'";
                mysqli_query($this-
>getConnection(),$this->sql);

            }
            echo "<br><div class='alert alert-
success'>Mata kuliah telah dihapus.</div>";
            echo "<meta http-equiv='refresh' content='0;
url='>";

        }
    }
}
public function hapusAktivitas($button,$nama,$makul)
{
    if(isset($button))
    {
        if(count($nama)==0)
        {
            echo "<br><div class='alert alert-danger'>Anda
tidak memilih apapun!</div>";

        }
        else
        {
            foreach($nama as $this->listmahasiswamakul)
            {
                $this->sql="DELETE FROM daftar_mhs
WHERE nama='$this->listmahasiswamakul' AND makul='$makul'";
                mysqli_query($this-
>getConnection(),$this->sql);

            }
            echo "<br><div class='alert alert-
success'>Nama mahasiswa telah dihapus.</div>";
            echo "<meta http-equiv='refresh' content='0;
```

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```
url='>";
    }
}
}
public function deleteAccountDosen($button,$nama)
{
    if(isset($button))
    {
        if(count($nama)==0)
        {
            echo "<br><div class='alert alert-danger'>Anda
tidak memilih apapun!</div>";
        }
        else
        {
            foreach($nama as $this->listdosen)
            {
                $this->sql="DELETE FROM login WHERE
username='$this->listdosen'";
                mysqli_query($this-
>getConnection(),$this->sql);
            }
            echo "<br><div class='alert alert-
success'>Berhasil, akun dosen telah dihapus.</div>";
            echo "<meta http-equiv='refresh' content='0;
url='>";
        }
    }
}
public function listBlacklistDosen()
{
    $this->mylistuser=array();
    $this->val=0;
    $this->sql="SELECT * FROM login WHERE blacklist='ya'";
    $this->cmd=mysqli_query($this->getConnection(),$this-
>sql);
    while($this->result=mysqli_fetch_array($this->cmd)
    {
        $this->val++;
        $this->mylistuser[$this->val]['username']=$this-
>result['username'];
        $this->mylistuser[$this->val]['nama_depan']=$this-
>result['nama_depan'];
        $this->mylistuser[$this-
>val]['nama_belakang']=$this->result['nama_belakang'];
        $this->mylistuser[$this->val]['picture']=$this-
>result['picture'];
    }
    return $this->mylistuser;
}
public function blacklistAccountDosen($button,$nama)
{
    if(isset($button))
```

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```
{
    if(count($nama)==0)
    {
        echo "<br><div class='alert alert-danger'>Anda
tidak memilih apapun!</div>";
    }
    else
    {
        foreach($nama as $this->listdosen)
        {
            $this->sql="UPDATE login SET
blacklist='ya' WHERE username='$this->listdosen'";
            mysqli_query($this-
>getConnection(),$this->sql);
        }
        echo "<br><div class='alert alert-
success'>Berhasil, akun dosen telah diblacklist.</div>";
        echo "<meta http-equiv='refresh' content='0;
url='>";
    }
}
}
public function hapusblacklistAccountDosen($button,$nama)
{
    if(isset($button))
    {
        if(count($nama)==0)
        {
            echo "<br><div class='alert alert-danger'>Anda
tidak memilih apapun!</div>";
        }
        else
        {
            foreach($nama as $this->listdosen)
            {
                $this->sql="UPDATE login SET
blacklist='tidak' WHERE username='$this->listdosen'";
                mysqli_query($this-
>getConnection(),$this->sql);
            }
            echo "<br><div class='alert alert-
success'>Berhasil, akun dosen telah dihapus dari
blacklist.</div>";
            echo "<meta http-equiv='refresh' content='0;
url='>";
        }
    }
}
}
public function listAccountMahasiswaNotActive()
{
    $this->val=0;
    $this->mylistuser=array();
}
```

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```
        $this->sql="SELECT * FROM daftar_mahasiswa WHERE
status='tidak'";
        $this->cmd=mysqli_query($this->getConnection(), $this-
>sql);
        while($this->result=mysqli_fetch_array($this->cmd))
        {
            $this->val++;
            $this->mylistuser[$this->val]['nama']=$this-
>result['nama'];
            $this->mylistuser[$this->val]['nim']=$this-
>result['nim'];
        }
        return $this->mylistuser;
    }
    public function listAccountMahasiswa()
    {
        $this->val=0;
        $this->mylistuser=array();
        $this->sql="SELECT * FROM daftar_mahasiswa WHERE
status='ya'";
        $this->cmd=mysqli_query($this->getConnection(), $this-
>sql);
        while($this->result=mysqli_fetch_array($this->cmd))
        {
            $this->val++;
            $this->mylistuser[$this->val]['nama']=$this-
>result['nama'];
            $this->mylistuser[$this->val]['nim']=$this-
>result['nim'];
        }
        return $this->mylistuser;
    }
    public function aktifkanAkunMahasiswa($button, $nama)
    {
        if(isset($button))
        {
            if(count($nama)==0)
            {
                echo "<br><div class='alert alert-danger'>Anda
tidak memilih apapun!</div>";
            }
            else
            {
                foreach($nama as $this->listmahasiswa)
                {
                    $this->sql="UPDATE daftar_mahasiswa
SET status='ya' WHERE nama='$this->listmahasiswa'";
                    mysqli_query($this-
>getConnection(), $this->sql);
                }
            }
        }
    }
}
```


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```
        echo "<br><div class='alert alert-  
success'>Berhasil, akun mahasiswa telah diaktifkan.</div>";  
        echo "<meta http-equiv='refresh' content='0;  
url='>";  
    }  
}  
}
```

A2. View : kirim_notifikasi.php

```
<?php  
    if(!defined("page"))  
    {  
        header("Location:  
http://localhost/skripsi/errors/403_forbidden.php");  
    }  
?>  
    <div class="col-md-6">  
        <div class="card">  
            <div class="header">  
                <h4 class="title">Semua Mata  
Kuliah</h4>  
                <p class="category">Jurusan Teknik  
Elektro Universitas Bangka Belitung</p>  
            </div>  
            <div class="content">  
                <ul class="list-group">  
                    <?php  
                    $arrfindnext=$communication-  
>listallMakul();  
                    for($i=1;$i<=count($arrfindnext);$i++)  
                    {  
                        echo "<li class='list-  
group-item'><a  
href='?myrefid=kirim_notifikasi&level=member&id_makul=".$arrfindne  
xt[$i]['id']."'>".$arrfindnext[$i]['makul']."</a></li>";  
                    }  
                <?>  
            </ul>  
        </div>  
    </div>  
</div>
```

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```
<div class="col-md-6">
  <div class="card">
    <div class="header">
      <h4 class="title">Daftar
Mahasiswa</h4>
      <p class="category">Jurusan Teknik
Elektro Universitas Bangka Belitung</p>
    </div>
    <div class="content">
      <form action="" method="post">
        <?php
          $arrfindnext=$communication-
>getDatFromMakul (@$_GET['id_makul']);
          // $mynewarr=$communication-
>getDatingFromMakul (@$_GET['id_makul']);
          $myarrnext=$communication-
>listMakul (@$_GET['id_makul']);
          if ($myarrnext=="empty")
          {
            echo "<p><b>Tidak ada mata
kuliah yang dipilih</b></p>";
          }
          else
          {
            for ($i=1;$i<=count ($myarrnext);$i++)
            {
              echo "<p><b>Kirim
notifikasi untuk mata kuliah ".$myarrnext[$i]['makul']."</b></p>";
              echo "<input
style='display:none;' type='text' name='listarrnext'
id='listarrnext' value='".$myarrnext[$i]['makul']."'>";
            }
            echo '<ul class="list-
group">';
            for ($i=1;$i<=count ($arrfindnext);$i++)
            {
              echo "<li class='list-
group-item'><i class='pe-7s-user'></i>
".$arrfindnext[$i]['nama']."</li>";
            }
            echo '</ul>';
            ?>
            <input style="display:none;"
type="text" name="keyapi" id="keyapi"
value="AIzaSyCP_hcg1EZJdfYcIzhCR0VnHcIoF_ASFdc">
            <textarea class="form-control"
rows="5" name="usercomment" id="usercomment"></textarea>
            <br>
            <button type="submit" class="btn
btn-info" name="pesanbtn" id="pesanbtn" value="Kirim Pesan"><i
class="pe-7s-paper-plane"></i> Kirim Pesan</button>
```

BIODATA PENULIS

```
</form>
<?php
    $mynewarr=$communication-
>getDatingFromMakul(@$_GET['id_makul']);
    if(@$_POST['pesanbtn']=="Kirim
Pesan")
    {
        if(@$_POST['listarrnext']=="")
        {
            echo "<br><div
class='alert alert-danger'>Anda tidak memilih mata kuliah, pilih
mata kuliah pada kolom sebelah kiri.</div>";
        }
        else
        {
            // Set POST variables
            $url =
'https://android.googleapis.com/gcm/send';

            $fields = array(
                'registration_ids' =>
$mynewarr,
                'data' =>
array( "message" => $_POST['usercomment'] ),
            );

            $headers = array(
                'Authorization: key='
. $_POST['keyapi'],
                'Content-Type:
application/json'
            );

            // Open connection
            $ch = curl_init();

            // Set the url, number of
            curl_setopt( $ch,
            CURLOPT_URL, $url );

            curl_setopt( $ch,
            CURLOPT_POST, true );

            curl_setopt( $ch,
            CURLOPT_HTTPHEADER, $headers);

            curl_setopt( $ch,
            CURLOPT_RETURNTRANSFER, true );

            curl_setopt( $ch,
            CURLOPT_POSTFIELDS, json_encode( $fields ) );

            // Execute post
            $result = curl_exec($ch);

            // Close connection
```

BIODATA PENULIS

```
curl_close($ch);  
  
echo $result;  
  
    }  
  }  
  ?>  
</div>  
</div>  
</div>
```

A3. Model : login.php

```
<?php  
  
class Login  
{  
    public $host;  
    public $user;  
    public $pass;  
    public $db;  
    public $connect;  
    public function connectDB ($host, $user, $pass, $db)  
    {  
        $this->connect=mysqli_connect ($host, $user, $pass, $db);  
        if(mysqli_connect_errno())  
        {  
            echo "Terjadi kesalahan koneksi";  
        }  
  
        return $this->connect;  
    }  
  
}
```

A4. HTML : index.php

```
<?php  
session_start();  
ob_start();  
define("page", "403 Forbidden");
```

BIODATA PENULIS

```
include "controller/lib_connect.php";
include "controller/menu.php";
include "controller/communication.php";

$menu=new Menu;
$communication=new Communication;
?>
<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8" />

  <meta http-equiv="X-UA-Compatible" content="IE=edge,chrome=1"
/>

  <title>
    <?php
      echo ucwords(str_replace("_", " ", $menu-
>giveTitle(@$_GET['myrefid'])));
    ?>
  </title>

  <meta content='width=device-width, initial-scale=1.0, maximum-
scale=1.0, user-scalable=0' name='viewport' />
  <meta name="viewport" content="width=device-width" />

  <!-- Bootstrap core CSS -->
  <link href="assets/css/bootstrap.min.css" rel="stylesheet" />

  <!-- Animation library for notifications -->
  <link href="assets/css/animate.min.css" rel="stylesheet"/>

  <!-- Light Bootstrap Table core CSS -->
  <link href="assets/css/light-bootstrap-dashboard.css"
rel="stylesheet"/>

  <link href="assets/css/demo.css" rel="stylesheet" />

  <!-- Fonts and icons -->
  <link href="http://maxcdn.bootstrapcdn.com/font-
awesome/4.2.0/css/font-awesome.min.css" rel="stylesheet">
  <link
href='http://fonts.googleapis.com/css?family=Roboto:400,700,300'
rel='stylesheet' type='text/css'>
  <link href="assets/css/pe-icon-7-stroke.css" rel="stylesheet"
/>
  <link href="theme/style.css" rel="stylesheet" />
</head>
<body>
```

BIODATA PENULIS

```
<div class="wrapper">
  <div class="sidebar" data-color="blue" data-
image="assets/img/sidebar-5.jpg">

    <div class="sidebar-wrapper">
      <div class="logo">
        <a href="http://localhost/skripsi" class="simple-
text">
          Portal Admin
        </a>
      </div>

      <ul class="nav">

        <?php
if (@$_SESSION['levelportalelektro']=="Administrator")
    {
        ?>
        <li>
          <a href="http://localhost/skripsi">
            <i class="pe-7s-user"></i>
            <p>Panel Utama</p>
          </a>
        </li>
        <li>
          <a
href="?myrefid=aktifkan_akun&level=administrator">
            <i class="pe-7s-id"></i>
            <p>Aktifkan Akun</p>
          </a>
        </li>
        <li>
          <a
href="?myrefid=tambah_akun&level=administrator">
            <i class="pe-7s-add-user"></i>
            <p>Tambah Akun</p>
          </a>
        </li>
        <li>
          <a
href="?myrefid=lihat_akun&level=administrator">
            <i class="pe-7s-note2"></i>
            <p>Lihat Akun</p>
          </a>
        </li>

        <li>
          <a
href="?myrefid=hapus_akun&level=administrator">
            <i class="pe-7s-trash"></i>
            <p>Hapus Akun</p>
          </a>
        </li>
      </ul>
    </div>
  </div>
</div>
```

BIODATA PENULIS

```
</li>
<li>
  <a
href="?myrefid=blacklist_akun&level=administrator">
    <i class="pe-7s-close-circle"></i>
    <p>Blacklist Akun</p>
  </a>
</li>
<li>
  <a
href="?myrefid=hapus_blacklist_akun&level=administrator">
    <i class="pe-7s-shield"></i>
    <p>Hapus Blacklist Akun</p>
  </a>
</li>
<?php
    }
    else
if(@$_SESSION['levelportalelektro']== "")
    {
?>
<li>
  <a href="#">
    <i class="pe-7s-user"></i>
    <p>Panel Utama</p>
  </a>
</li>
<li>
  <a href="#">
    <i class="pe-7s-add-user"></i>
    <p>Tambah Akun</p>
  </a>
</li>
<li>
  <a href="#">
    <i class="pe-7s-note2"></i>
    <p>Lihat Akun</p>
  </a>
</li>
<li>
  <a href="#">
    <i class="pe-7s-edit"></i>
    <p>Ubah Akun</p>
  </a>
</li>
<li>
  <a href="#">
    <i class="pe-7s-trash"></i>
    <p>Hapus Akun</p>
  </a>
</li>
<li>
  <a href="#">
    <i class="pe-7s-close-circle"></i>
```

BIODATA PENULIS

```
        <p>Blacklist Akun</p>
    </a>
</li>

<?php
    }
    else
if (@$_SESSION['levelportalelektro']=="Member")
    {

    ?>
    <li>
        <a href="http://localhost/skripsi">
            <i class="pe-7s-user"></i>
            <p>Panel Utama</p>
        </a>
    </li>
    <li>
        <a
href="?myrefid=tambah_mata_kuliah&level=member">
            <i class="pe-7s-pen"></i>
            <p>Tambah Mata Kuliah</p>
        </a>
    </li>
    <li>
        <a
href="?myrefid=hapus_mata_kuliah&level=member">
            <i class="pe-7s-trash"></i>
            <p>Hapus Mata Kuliah</p>
        </a>
    </li>
    <li>
        <a
href="?myrefid=perbarui_aktivitas&level=member">
            <i class="pe-7s-edit"></i>
            <p>Perbarui Aktivitas</p>
        </a>
    </li>
    <li>
        <a
href="?myrefid=hapus_aktivitas&level=member">
            <i class="pe-7s-trash"></i>
            <p>Hapus Aktivitas</p>
        </a>
    </li>
    <li>
        <a
href="?myrefid=kirim_notifikasi&level=member">
            <i class="pe-7s-bell"></i>
            <p>Kirim Notifikasi</p>
        </a>
    </li>

<?php
```


BIODATA PENULIS

```
    }
    ?>
  </ul>
</div>
</div>
</div>

<div class="main-panel">
  <nav class="navbar navbar-default navbar-fixed">
    <div class="container-fluid">
      <div class="navbar-header">
        <button type="button" class="navbar-toggle"
data-toggle="collapse" data-target="#navigation-example-2">
          <span class="sr-only">Toggle
navigation</span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
        </button>
        <a class="navbar-brand" href="#">
          <?php
            echo ucwords(str_replace("_", " ",
", $menu->giveTitle(@$_GET['myrefid'])));
          ?>
        </a>
      </div>
      <div class="collapse navbar-collapse">
        <ul class="nav navbar-nav navbar-left">
          <?php

if(@$_SESSION['userportalelektro']!=null ||
@$_SESSION['userportalelektro']!="")
{
  ?>
  <li class="dropdown">
    <a href="#" class="dropdown-toggle"
data-toggle="dropdown">
      <i class="fa fa-globe"></i>
      <b class="caret"></b>
    </a>
  </li>
  <?php
  }
  else
  {
    //do nothing
  }
  ?>
</ul>

<ul class="nav navbar-nav navbar-right">
  <?php
```

BIODATA PENULIS

```
if(@$_SESSION['userportalelektro']!=null ||
 @$_SESSION['userportalelektro']!="")
    {
        ?>
        <li class="dropdown">
            <a href="#" class="dropdown-toggle"
data-toggle="dropdown">
                <?php
if(@$_SESSION['levelportalelektro']=="Member")
    {
        echo
 @$_SESSION['namadepanportalelektro'].
 ".@$_SESSION['namabelakangportalelektro'];
    }
    else
    {
        echo "Administrator
Level A";
    }
    ?>
            <b class="caret"></b>
        </a>
        <ul class="dropdown-menu">
            <li><a href="#">Profil</a></li>
            <li><a href="#">Ubah
Profil</a></li>
            <li><a href="#">Ubah
Sandi</a></li>
            <li class="divider"></li>
            <li><a id="myloggingout"
href="#">Keluar</a></li>
        </ul>
        </li>
        <?php
    }
    else
    {
        ?>
            <li>
                <a href="?myrefid=masuk">
                    Masuk ke Portal
                </a>
            </li>
        <?php
    }
    ?>
        </ul>
    </div>
</div>
</nav>
```

BIODATA PENULIS

```
<div class="content">
  <div class="container-fluid">
    <div class="row">
      <?php
        if($menu-
>giveTitle(@$_GET['myrefid'])=="masuk")
        {
if(@$_SESSION['userportalelektro']!=null ||
@$_SESSION['userportalelektro']!="")
        {
                header("Location: index.php");
            }
            else
            {
                include "view/masuk.php";
            }
        }
        else if($menu-
>giveTitle(@$_GET['myrefid'])=="keluar")
        {
            $communication->logout();
        }
        else if($menu-
>giveTitle(@$_GET['myrefid'])=="Panel Utama")
        {
if(@$_SESSION['userportalelektro']!=null ||
@$_SESSION['userportalelektro']!="")
        {
                include "view/panel_utama.php";
            }
            else
            {
                include "view/masuk.php";
            }
        }
        else if($menu-
>giveTitle(@$_GET['myrefid'])=="tambah_akun")
        {
if(@$_SESSION['userportalelektro']!=null ||
@$_SESSION['userportalelektro']!="")
        {
if(@$_SESSION['levelportalelektro']=="Administrator")
        {
                include
"view/tambah_akun.php";
```

BIODATA PENULIS

```
        }
        else
        {
            header("Location:
http://localhost/skripsi/errors/404_not_found");
        }
    }
    else
    {
        include "view/masuk.php";
    }
}
else if($menu-
>giveTitle(@$_GET['myrefid'])=="tambah_mata_kuliah")
{
    if(@$_SESSION['userportalelektro']!=null ||
    @$_SESSION['userportalelektro']!="")
    {
        if(@$_SESSION['levelportalelektro']=="Member")
        {
            include
"view/tambah_mata_kuliah.php";
        }
        else
        {
            header("Location:
http://localhost/skripsi/errors/404_not_found");
        }
    }
    else
    {
        include "view/masuk.php";
    }
}
else if($menu-
>giveTitle(@$_GET['myrefid'])=="perbarui_aktivitas")
{
    if(@$_SESSION['userportalelektro']!=null ||
    @$_SESSION['userportalelektro']!="")
    {
        if(@$_SESSION['levelportalelektro']=="Member")
        {
            include
"view/perbarui_aktivitas.php";
        }
        else
        {
            header("Location:
http://localhost/skripsi/errors/404_not_found");
```

BIODATA PENULIS

```
    }
    }
    else
    {
        include "view/masuk.php";
    }
}
else if($menu-
>giveTitle(@$_GET['myrefid'])=="kirim_notifikasi")
{
if(@$_SESSION['userportalelektro']!=null ||
@$_SESSION['userportalelektro']!="")
{
if(@$_SESSION['levelportalelektro']=="Member")
{
include
"view/kirim_notifikasi.php";
}
else
{
header("Location:
http://localhost/skripsi/errors/404_not_found");
}
}
else
{
include "view/masuk.php";
}
}
else if($menu-
>giveTitle(@$_GET['myrefid'])=="hapus_mata_kuliah")
{
if(@$_SESSION['userportalelektro']!=null ||
@$_SESSION['userportalelektro']!="")
{
if(@$_SESSION['levelportalelektro']=="Member")
{
include
"view/hapus_mata_kuliah.php";
}
else
{
header("Location:
http://localhost/skripsi/errors/404_not_found");
}
}
else
{
include "view/masuk.php";
}
```

BIODATA PENULIS

```
        }
    }
    else if($menu-
>giveTitle(@$_GET['myrefid'])=="hapus_aktivitas")
    {
        if(@$_SESSION['userportalelektro']!=null ||
        @$_SESSION['userportalelektro']!="")
        {
            if(@$_SESSION['levelportalelektro']=="Member")
            {
                include
                "view/hapus_aktivitas.php";
            }
            else
            {
                header("Location:
                http://localhost/skripsi/errors/404_not_found");
            }
            else
            {
                include "view/masuk.php";
            }
        }
        else if($menu-
>giveTitle(@$_GET['myrefid'])=="lihat_akun")
        {
            if(@$_SESSION['userportalelektro']!=null ||
            @$_SESSION['userportalelektro']!="")
            {
                if(@$_SESSION['levelportalelektro']=="Administrator")
                {
                    include "view/lihat_akun.php";
                }
                else
                {
                    header("Location:
                    http://localhost/skripsi/errors/404_not_found");
                }
            }
            else
            {
                include "view/masuk.php";
            }
        }
        else if($menu-
>giveTitle(@$_GET['myrefid'])=="hapus_akun")
        {
            if(@$_SESSION['userportalelektro']!=null ||
```

BIODATA PENULIS

```
@$_SESSION['userportalelektro']!="")
    {

if(@$_SESSION['levelportalelektro']=="Administrator")
    {
        include "view/hapus_akun.php";
    }
    else
    {
        header("Location:
http://localhost/skripsi/errors/404_not_found");
    }

    }
    else
    {
        include "view/masuk.php";
    }
    }
    else if($menu-
>giveTitle(@$_GET['myrefid']=="blacklist_akun")
    {

if(@$_SESSION['userportalelektro']!=null ||
 @$_SESSION['userportalelektro']!="")
    {

if(@$_SESSION['levelportalelektro']=="Administrator")
    {
        include
"view/blacklist_akun.php";
    }
    else
    {
        header("Location:
http://localhost/skripsi/errors/404_not_found");
    }

    }
    else
    {
        include "view/masuk.php";
    }
    }
    else if($menu-
>giveTitle(@$_GET['myrefid']=="hapus_blacklist_akun")
    {

if(@$_SESSION['userportalelektro']!=null ||
 @$_SESSION['userportalelektro']!="")
    {

if(@$_SESSION['levelportalelektro']=="Administrator")
    {
        include
"view/hapus_blacklist_akun.php";
```

BIODATA PENULIS

```
        }
        else
        {
            header("Location:
http://localhost/skripsi/errors/404_not_found");
        }
    }
    else
    {
        include "view/masuk.php";
    }
}
else if($menu-
>giveTitle(@$_GET['myrefid'])=="aktifkan_akun")
{
    if(@$_SESSION['userportalelektro']!=null ||
    @$_SESSION['userportalelektro']!="")
    {
        if(@$_SESSION['levelportalelektro']=="Administrator")
        {
            include
"view/aktifkan_akun.php";
        }
        else
        {
            header("Location:
http://localhost/skripsi/errors/404_not_found");
        }
    }
    else
    {
        include "view/masuk.php";
    }
}
else
{
    //do nothing
}

?>
</div>
</div>
</div>
<footer class="footer">
```


BIODATA PENULIS

```
<div class="container-fluid">
  <nav class="pull-left">
    <ul>
      <li>
        <a href="http://localhost/skripsi">
          <i class="pe-7s-home"></i>
          Rumah
        </a>
      </li>
    </ul>
  </nav>
  <p class="copyright pull-right">
    &copy; 2016 <a href="#">Creative Tim and
Electrical Engineering University of Bangka Belitung</a>
  </p>
</div>
</div>
</div>
</body>

<!-- Core JS Files -->
<script src="assets/js/jquery-1.10.2.js"
type="text/javascript"></script>
<script src="assets/js/bootstrap.min.js"
type="text/javascript"></script>

<!-- Checkbox, Radio & Switch Plugins -->
<script src="assets/js/bootstrap-checkbox-radio-
switch.js"></script>

<!-- Charts Plugin -->
<script src="assets/js/chartist.min.js"></script>

<!-- Notifications Plugin -->
<script src="assets/js/bootstrap-notify.js"></script>

<script type="text/javascript"
src="https://maps.googleapis.com/maps/api/js?sensor=false"></scrip
t>

<script src="assets/js/light-bootstrap-dashboard.js"></script>

<script src="assets/js/demo.js"></script>
<script type="text/javascript"
src="script/mycustomscript.js"></script>
<?php
  if($menu->giveTitle(@$_GET['myrefid'])=="Panel Utama" &&
(@$_SESSION['userportalelektro']!=null ||
```

BIODATA PENULIS

```
@$_SESSION['userportalelektro']!="")  
    {  
        ?>  
        <script type="text/javascript"  
src="script/customnotification.js"></script>  
        <?php  
        }  
        ?>  
</html>
```



BIODATA PENULIS

LAMPIRAN B

KODE PROGRAM PADA SISI *CLIENT*



BIODATA PENULIS

B1. Java : GCMIntentService.java

```
package com.example.gokampus;

import java.util.Random;
import java.util.Timer;
import java.util.TimerTask;

import android.app.Notification;
import android.app.NotificationManager;
import android.app.PendingIntent;
import android.content.Context;
import android.content.Intent;
import android.content.SharedPreferences;
import android.media.RingtoneManager;
import android.net.Uri;
import android.os.PowerManager;
import android.preference.PreferenceManager;
import android.util.Log;

import com.google.android.gcm.GCMBaseIntentService;

public class GCMIntentService extends GCMBaseIntentService {
    int m;
    SharedPreferences share;
    String shareval;
    Uri Newsd;

    private static final String TAG = "GCM Tutorial::Service";

    // Use your PROJECT ID from Google API into SENDER_ID
    public static final String SENDER_ID = "31325602051";

    public GCMIntentService() {
        super(SENDER_ID);
    }

    @Override
    protected void onRegistered(Context context, String
registrationId) {

        Log.i(TAG, "onRegistered: registrationId=" +
registrationId);
    }

    @Override
    protected void onUnregistered(Context context, String
registrationId) {

        Log.i(TAG, "onUnregistered: registrationId=" +
registrationId);
    }

    @Override
    protected void onMessage(Context context, Intent data) {
        Random random=new Random();
    }
}
```

BIODATA PENULIS

```
m=random.nextInt(999-100) + 100;

share=PreferenceManager.getDefaultSharedPreferences(getApplication
Context());
    shareval=share.getString("aktifin", "");
    String message;
    String mata_kuliah;
    // Message from PHP server
    message = data.getStringExtra("message");
    mata_kuliah=data.getStringExtra("mata_kuliah");
    // Open a new activity called GCMMessageView
    Intent intent = new Intent(this, MessageActivity.class);
    // Pass data to the new activity
    intent.putExtra("message", message);
    intent.putExtra("mata_kuliah", mata_kuliah);
    // Starts the activity on notification click
    PendingIntent pIntent = PendingIntent.getActivity(this, 0,
intent,
        PendingIntent.FLAG_UPDATE_CURRENT);
    // Create the notification with a notification builder
    Notification notification = new Notification.Builder(this)
        .setSmallIcon(R.drawable.ic_launcher)
        .setWhen(System.currentTimeMillis())
        .setContentTitle(mata_kuliah)
        .setContentText(message).setContentIntent(pIntent)
        .getNotification();
    // Remove the notification on click
    Uri
alarmSound=RingtoneManager.getDefaultUri(RingtoneManager.TYPE_ALAR
M);

    if(alarmSound==null)
    {

alarmSound=RingtoneManager.getDefaultUri(RingtoneManager.TYPE_RING
TONE);
        if(alarmSound==null)
        {

alarmSound=RingtoneManager.getDefaultUri(RingtoneManager.TYPE_NOTI
FICATION);
        }
        }
    else
    {

alarmSound=RingtoneManager.getDefaultUri(RingtoneManager.TYPE_ALAR
M);
        }
        if(shareval.equals("") || shareval.equals(null) ||
shareval.equals("aktif"))
        {
            Newsd=alarmSound;
        }
    else
    {
```

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```
        Newsd=null;
    }

    notification.sound= Newsd;
    notification.flags |= Notification.FLAG_AUTO_CANCEL;

    NotificationManager manager = (NotificationManager)
getSystemService(NOTIFICATION_SERVICE);
    manager.notify(m, notification);

    {
        // Wake Android Device when notification received
        PowerManager pm = (PowerManager) context
            .getSystemService(Context.POWER_SERVICE);
        final PowerManager.WakeLock mWakelock =
pm.newWakeLock(
            PowerManager.FULL_WAKE_LOCK
            | PowerManager.ACQUIRE_CAUSES_WAKEUP,
"GCM_PUSH");
        mWakelock.acquire();

        // Timer before putting Android Device to sleep mode.
        Timer timer = new Timer();
        TimerTask task = new TimerTask() {
            public void run() {
                mWakelock.release();
            }
        };
        timer.schedule(task, 5000);
    }
}

@Override
protected void onError(Context arg0, String errorId) {
    Log.e(TAG, "onError: errorId=" + errorId);
}
}
```

B2. *Layout* : activity_main.xml

```
<android.support.v4.widget.DrawerLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/drawerLayout"
    android:layout_width="match_parent"
    android:layout_height="match_parent" >

    <LinearLayout
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:paddingTop="20dp"
```

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```
>
<TextView
    android:id="@+id/textVw"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_weight="0.25"
    android:text="Tidak Ada Jadwal yang Dapat Ditampilkan"
    android:textStyle="bold"
    android:visibility="gone"
    android:gravity="center" />

</LinearLayout>

<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:id="@+id/mainContent"
    android:orientation="horizontal" >

    <ListView android:id="@android:id/list"
    android:layout_height="wrap_content"
    android:layout_width="match_parent" />

</LinearLayout>
<ListView
    android:background="#FFFFFF"
    android:divider="@null"
    android:id="@+id/drawerList"
    android:layout_width="240dp"
    android:layout_height="match_parent"
    android:layout_gravity="left">

</ListView>

</android.support.v4.widget.DrawerLayout>
```

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Belen Septian merupakan nama lengkap penulis, lahir pada Tanggal 16 September 1994 di Jakarta. Penulis menyelesaikan pendidikan sekolah dasar di SDN 2 Kelapa Kampit pada tahun 2006 dan pendidikan sekolah menengah pertama di SMPN 1 Kelapa Kampit pada tahun 2009 kemudian dilanjutkan ke sekolah menengah atas di SMAN 1 Kelapa Kampit lulus pada tahun 2012. Pendidikan Strata 1 (S1) penulis ditempuh di Jurusan Teknik Elektro Fakultas Teknik Universitas Bangka Belitung dengan mengambil konsentrasi Elektronika dan judul penelitiannya adalah "Rancang Bangun Aplikasi Peningat Aktivitas Perkuliahan Berbasis Android" selesai pada tahun 2016. (Nomor kontak penulis : 082373790756, email : septianbelen@yahoo.com)

