Laporan UAS Praktikum

Mobile Computing II

“Aplikasi Login, Register, dan Update Status

Menggunakan Database PhpMysql”



Oleh :

Irwan Darmawan (140403020021)

Diopenta Haseya S. (140403020028)

M. Faisal Amri (140403020033)

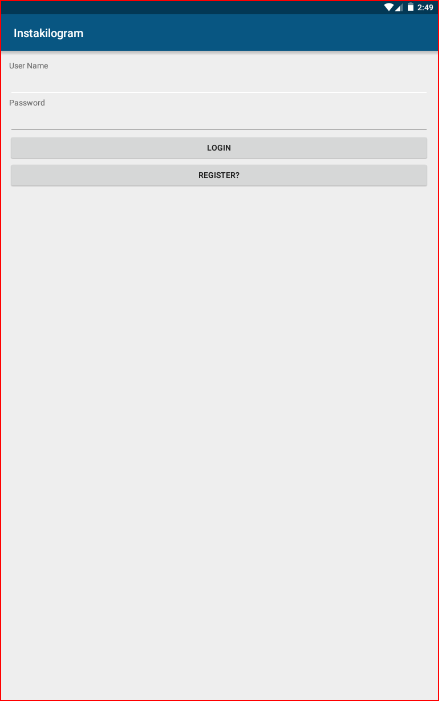
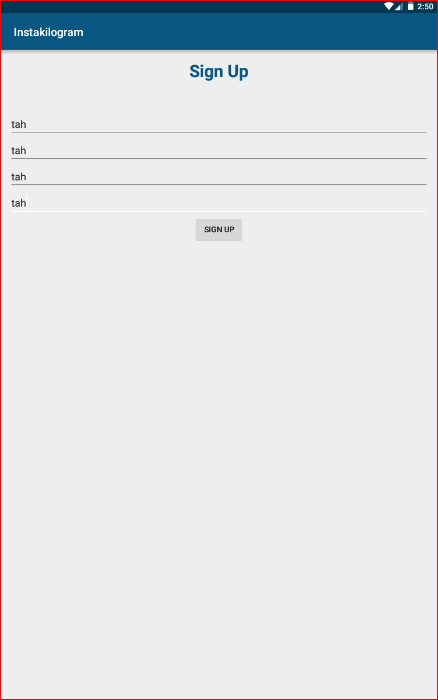
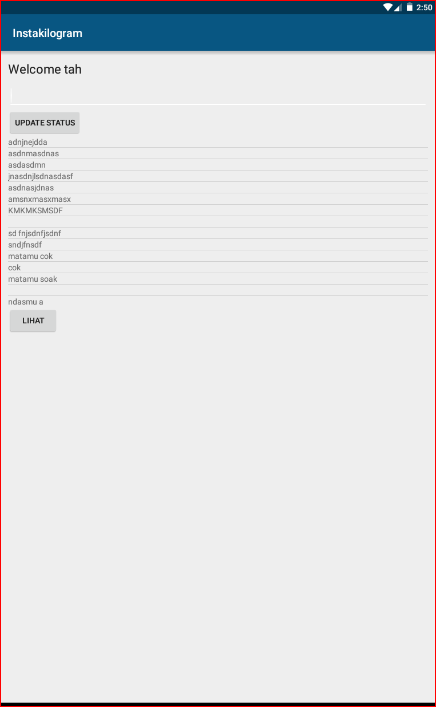
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**Deskripsi Aplikasi**

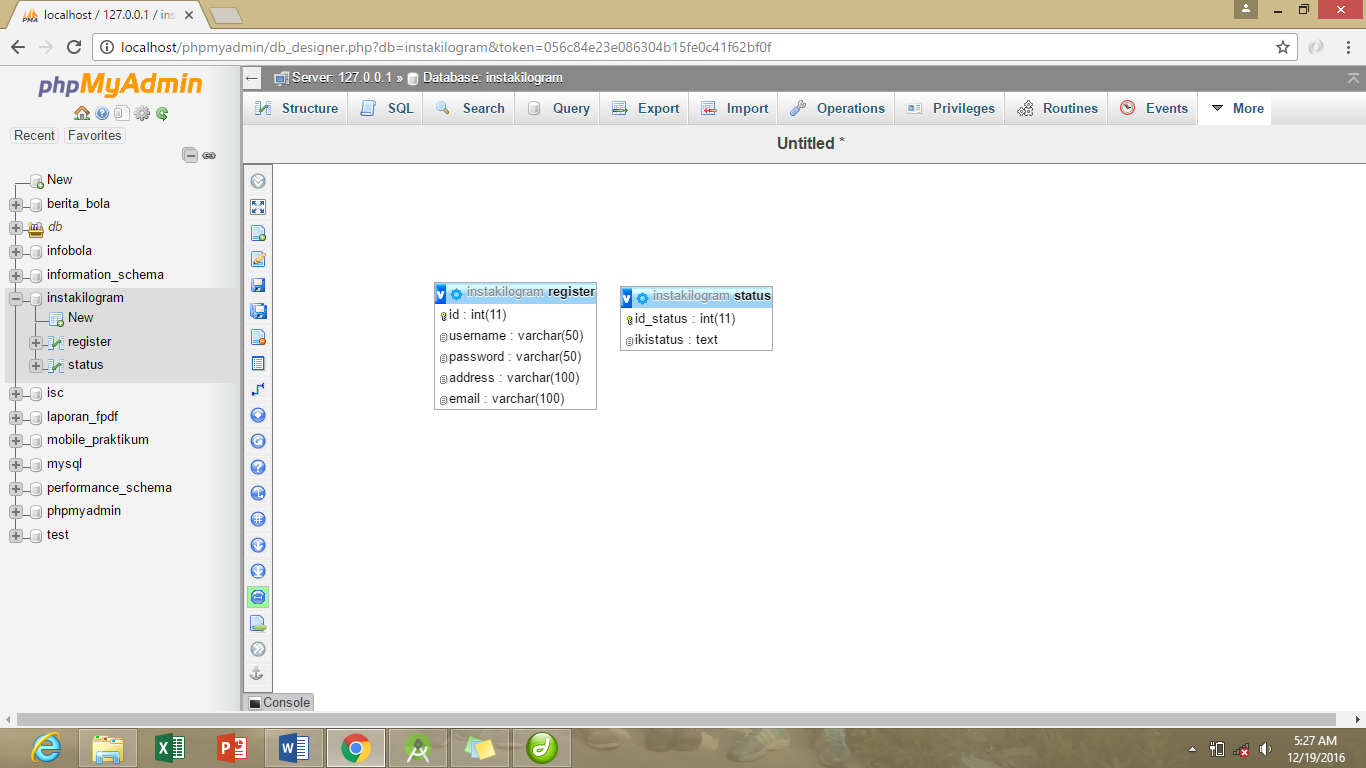
Aplikasi Login, Register, dan Update Status Menggunakan Database PhpMysql ini adalah sebuah aplikasi android untuk login user ketika sudah mempunyai akun, dan register akun ketika user belum mempunyai akun, dan update status untuk user yang sudah login ke dalam system.

Aplikasi ini dibuat menggunakan software Android Studio untuk membuat aplikasi android nya, Mysql untuk membuat database yang menyimpan data user dan status, dan juga Dreameaver untuk membuat script Php sebagai penghubung Android Studio dengan database Mysql.

**Tampilan Aplikasi**

**Database**



Terdapat 2 table dalam database ini, yaitu table register yang fungsinya untuk menyimpan data user, dat juga table status untuk menyimpan data status.

**Script Php**

dbConnect.php

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| <?php  define('HOST','localhost');  define('USER','root');  define('PASS','');  define('DB','instakilogram');    //Connecting to Database  $con = new Mysqli(HOST,USER,PASS,DB) or die(mysqli\_errno());  ?> |

Login.php

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| <?php  if($\_SERVER['REQUEST\_METHOD']=='POST'){  $username = $\_POST['username'];  $password = $\_POST['password'];    require\_once('dbConnect.php');    $sql = "select \* from register where username='$username' and password='$password'";    $check = mysqli\_fetch\_array(mysqli\_query($con,$sql));    if(isset($check)){  echo "success";  }else{  echo "Invalid Username or Password";  }    }else{  echo "error try again";  }  ?> |

addUser.php

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| <?php  if($\_SERVER['REQUEST\_METHOD']=='POST'){    //Getting values  $username = $\_POST['username'];  $password = $\_POST['password'];  $address = $\_POST['address'];  $email = $\_POST['email'];    //Creating an sql query  $sql = "INSERT INTO register (username,password,address,email) VALUES ('$username','$password','$address','$email')";    //Importing our db connection script  require\_once('dbConnect.php');    //Executing query to database  if(mysqli\_query($con,$sql)){  echo 'Daftar Berhasil';  }else{  echo 'Tidak dapat Daftar';  }    //Closing the database  mysqli\_close($con);  }  ?> |

addStatus.php

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| <?php  if($\_SERVER['REQUEST\_METHOD']=='POST'){    //Getting values  $ikistatus = $\_POST['ikistatus'];    //Creating an sql query  $sql = "INSERT INTO status (ikistatus) VALUES ('$ikistatus')";    //Importing our db connection script  require\_once('dbConnect.php');    //Executing query to database  if(mysqli\_query($con,$sql)){  echo 'Status Terupdate';  }else{  echo 'Status tidak dapat diunggah';  }    //Closing the database  mysqli\_close($con);  }  ?> |

getAllStatus.php

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| <?php  //Importing Database Script  require\_once('dbConnect.php');    //Creating sql query  $sql = "SELECT \* FROM status";    //getting result  $r = mysqli\_query($con,$sql);    //creating a blank array  $result = array();    //looping through all the records fetched  while($row = mysqli\_fetch\_array($r)){    //Pushing name and id in the blank array created  array\_push($result,array(  "id\_status"=>$row['id\_status'],  "ikistatus"=>$row['ikistatus'],    ));  }    //Displaying the array in json format  echo json\_encode(array('result'=>$result));    mysqli\_close($con);  ?> |

**Script Java**

Config.java

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| **package** com.example.irdarmawan.statuspraktikum;  **import** android.support.v7.app.AppCompatActivity; **import** android.os.Bundle;  **public class** Config {   **public static final** String ***URL\_ADD***=**"http://192.168.43.46/instakilogram/regis/adduser.php"**;  **public static final** String ***URL\_LOGIN***=**"http://192.168.43.46/instakilogram/regis/login.php"**;  **public static final** String ***URL\_ADD\_STATUS***=**"http://192.168.43.46/instakilogram/status/addstatus.php"**;  **public static final** String ***URL\_GET\_ALL*** = **"http://192.168.43.46/instakilogram/status/getallstatus.php"**;   *//Keys that will be used to send the request to php scripts*  **public static final** String ***KEY\_USER\_NAMA*** = **"username"**;  **public static final** String ***KEY\_USER\_STATUS*** = **"ikistatus"**;  **public static final** String ***KEY\_USER\_PASSWORD*** = **"password"**;  **public static final** String ***KEY\_USER\_ADDRESS*** = **"address"**;  **public static final** String ***KEY\_USER\_EMAIL*** = **"email"**;  *//JSON Tags* **public static final** String ***TAG\_JSON\_ARRAY***=**"result"**;  **public static final** String ***TAG\_STATUS*** = **"ikistatus"**;  } |

FormLogin.java

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| **package** com.example.irdarmawan.statuspraktikum;  **import** android.app.ProgressDialog; **import** android.content.Intent; **import** android.os.AsyncTask; **import** android.os.Bundle; **import** android.support.v7.app.AppCompatActivity; **import** android.view.View; **import** android.widget.Button; **import** android.widget.EditText; **import** android.widget.Toast;  **import** java.util.HashMap;  */\*\*  \* Created by Ir.Darmawan on 12/18/2016.  \*/* **public class** Formlogin **extends** AppCompatActivity **implements** View.OnClickListener{   **public static final** String ***USER\_NAME*** = **"USER\_NAME"**;   *// public static final String PASSWORD = "PASSWORD";   //private static final String URL\_LOGIN = "http://simplifiedcoding.16mb.com/UserRegistration/login.php";* **private** EditText **editTextUserName**;  **private** EditText **editTextPassword**;   **private** Button **buttonLogin**;   @Override  **protected void** onCreate(Bundle savedInstanceState) {  **super**.onCreate(savedInstanceState);  setContentView(R.layout.***layout\_formlogin***);   **editTextUserName** = (EditText) findViewById(R.id.***editTextUserName***);  **editTextPassword** = (EditText) findViewById(R.id.***editTextPassword***);   **buttonLogin** = (Button) findViewById(R.id.***button***);   **buttonLogin**.setOnClickListener(**this**);  }    **private void** login(){  String username = **editTextUserName**.getText().toString().trim();  String password = **editTextPassword**.getText().toString().trim();  userLogin(username,password);  }   **private void** userLogin(**final** String username, **final** String password){  **class** UserLoginClass **extends** AsyncTask<String,Void,String> {  ProgressDialog **loading**;  @Override  **protected void** onPreExecute() {  **super**.onPreExecute();  **loading** = ProgressDialog.*show*(Formlogin.**this**,**"Please Wait"**,**null**,**true**,**true**);  }   @Override  **protected void** onPostExecute(String s) {  **super**.onPostExecute(s);  **loading**.dismiss();  **if**(s.equalsIgnoreCase(**"success"**)){  Intent intent = **new** Intent(Formlogin.**this**,UserProfile.**class**);  intent.putExtra(***USER\_NAME***,username);  startActivity(intent);  }**else**{  Toast.*makeText*(Formlogin.**this**,s,Toast.***LENGTH\_LONG***).show();  }  }   @Override  **protected** String doInBackground(String... params) {  HashMap<String,String> data = **new** HashMap<>();  data.put(**"username"**,params[0]);  data.put(**"password"**,params[1]);   RequestHandler rh = **new** RequestHandler();  String res = rh.sendPostRequest(Config.***URL\_LOGIN***, data);  **return** res;  }  }  UserLoginClass ulc = **new** UserLoginClass();  ulc.execute(username,password);  }   @Override  **public void** onClick(View v) {  **if**(v == **buttonLogin**){  login();  }  }  **public void** register(View v){  Intent a=**new** Intent(Formlogin.**this**, Register.**class**);  startActivity(a);  } } |

Register.java

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| **package** com.example.irdarmawan.statuspraktikum;  **import** android.app.ProgressDialog; **import** android.content.Intent; **import** android.os.AsyncTask; **import** android.os.Bundle; **import** android.support.v7.app.AppCompatActivity; **import** android.view.View; **import** android.widget.Button; **import** android.widget.EditText; **import** android.widget.Toast;  **import** java.util.HashMap;  */\*\*  \* Created by Ir.Darmawan on 12/18/2016.  \*/* **public class** Register **extends** AppCompatActivity **implements** View.OnClickListener{   *//Defining views* **private** EditText **editTextNama**;  **private** EditText **editTextPassword**;  **private** EditText **editTextAddress**;  **private** EditText **editTextEmail**;   **private** Button **buttonSignup**;    @Override  **protected void** onCreate(Bundle savedInstanceState) {  **super**.onCreate(savedInstanceState);  setContentView(R.layout.***layout\_register***);   *//Initializing views* **editTextNama** = (EditText) findViewById(R.id.***et\_name***);  **editTextPassword** = (EditText) findViewById(R.id.***et\_pass***);  **editTextAddress** = (EditText) findViewById(R.id.***et\_address***);  **editTextEmail** = (EditText) findViewById(R.id.***et\_email***);   **buttonSignup** = (Button) findViewById(R.id.***btn\_signup***);   *//Setting listeners to button* **buttonSignup**.setOnClickListener(**this**);  }    *//Adding an employee* **private void** addUser(){   **final** String nama = **editTextNama**.getText().toString().trim();  **final** String password = **editTextPassword**.getText().toString().trim();  **final** String address = **editTextAddress**.getText().toString().trim();  **final** String email = **editTextEmail**.getText().toString().trim();   **class** AddUser **extends** AsyncTask<Void,Void,String> {   ProgressDialog **loading**;   @Override  **protected void** onPreExecute() {  **super**.onPreExecute();  **loading** = ProgressDialog.*show*(Register.**this**,**"Adding..."**,**"Wait..."**,**false**,**false**);  }   @Override  **protected void** onPostExecute(String s) {  **super**.onPostExecute(s);  **loading**.dismiss();  Toast.*makeText*(Register.**this**,s,Toast.***LENGTH\_LONG***).show();  }   @Override  **protected** String doInBackground(Void... v) {  HashMap<String,String> params = **new** HashMap<>();  params.put(Config.***KEY\_USER\_NAMA***,nama);  params.put(Config.***KEY\_USER\_PASSWORD***,password);  params.put(Config.***KEY\_USER\_ADDRESS***,address);  params.put(Config.***KEY\_USER\_EMAIL***,email);   RequestHandler rh = **new** RequestHandler();  String res = rh.sendPostRequest(Config.***URL\_ADD***, params);  **return** res;  }  }   AddUser ae = **new** AddUser();  ae.execute();  }   @Override  **public void** onClick(View v) {  **if**(v == **buttonSignup**) {  addUser();  Intent i = **new** Intent(Register.**this**, Formlogin.**class**);  startActivity(i);  }  } } |

UserProfile.java

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| **package** com.example.irdarmawan.statuspraktikum;  **import** android.app.ProgressDialog; **import** android.content.Intent; **import** android.os.AsyncTask; **import** android.os.Bundle; **import** android.support.v7.app.AppCompatActivity; **import** android.view.Menu; **import** android.view.MenuItem; **import** android.view.View; **import** android.widget.AdapterView; **import** android.widget.Button; **import** android.widget.EditText; **import** android.widget.ListAdapter; **import** android.widget.ListView; **import** android.widget.SimpleAdapter; **import** android.widget.TextView; **import** android.widget.Toast;  **import** org.json.JSONArray; **import** org.json.JSONException; **import** org.json.JSONObject;  **import** java.util.ArrayList; **import** java.util.HashMap;  */\*\*  \* Created by Ir.Darmawan on 12/18/2016.  \*/* **public class** UserProfile **extends** AppCompatActivity **implements** ListView.OnItemClickListener{   **public** Button **Update**;  **public** EditText **Status**;   **public** ListView **listView**;   **public** String **JSON\_STRING**;   @Override  **protected void** onCreate(Bundle savedInstanceState) {  **super**.onCreate(savedInstanceState);  setContentView(R.layout.***activity\_user\_profile***);   Intent intent = getIntent();  String username = intent.getStringExtra(Formlogin.***USER\_NAME***);   TextView textView = (TextView) findViewById(R.id.***textView3***);   textView.setText(**"Welcome "** + username);   **Update** = (Button) findViewById(R.id.***btnstatus***);  **Status** = (EditText) findViewById(R.id.***et\_status***);  **listView**=(ListView) findViewById(R.id.***listView***);  *//listView.setOnItemClickListener(this);* getJSON();  }   **private void** showStatus() {  JSONObject jsonObject = **null**;  ArrayList<HashMap<String, String>> list = **new** ArrayList<HashMap<String, String>>();  **try** {  jsonObject = **new** JSONObject(**JSON\_STRING**);  JSONArray result = jsonObject.getJSONArray(Config.***TAG\_JSON\_ARRAY***);   **for** (**int** i = 0; i < result.length(); i++) {  JSONObject jo = result.getJSONObject(i);  *//String npm = jo.getString(Config.TAG\_NPM);* String status = jo.getString(Config.***TAG\_STATUS***);   HashMap<String, String> inistatus = **new** HashMap<>();  *//mahasiswa.put(Config.TAG\_NPM,npm);* inistatus.put(Config.***TAG\_STATUS***, status);  list.add(inistatus);  }   } **catch** (JSONException e) {  e.printStackTrace();  }   ListAdapter adapter = **new** SimpleAdapter(  UserProfile.**this**, list, R.layout.***list\_item***,  **new** String[]{Config.***TAG\_STATUS***},  **new int**[]{R.id.***status***});   **listView**.setAdapter(adapter);  }   **private void** getJSON() {  **class** GetJSON **extends** AsyncTask<Void, Void, String> {   ProgressDialog **loading**;   @Override  **protected void** onPreExecute() {  **super**.onPreExecute();  **loading** = ProgressDialog.*show*(UserProfile.**this**, **"Fetching Data"**, **"Wait..."**, **false**, **false**);  }   @Override  **protected void** onPostExecute(String s) {  **super**.onPostExecute(s);  **loading**.dismiss();  **JSON\_STRING** = s;  showStatus();   }   @Override  **protected** String doInBackground(Void... params) {  RequestHandler rh = **new** RequestHandler();  String s = rh.sendGetRequest(Config.***URL\_GET\_ALL***);  **return** s;  }  }  GetJSON gj = **new** GetJSON();  gj.execute();  }   *// Update.setOnClickListener(this);* **private void** addStatus() {   **final** String status = **Status**.getText().toString().trim();    **class** AddStatus **extends** AsyncTask<Void, Void, String> {   ProgressDialog **loading**;   @Override  **protected void** onPreExecute() {  **super**.onPreExecute();  **loading** = ProgressDialog.*show*(UserProfile.**this**, **"Adding..."**, **"Wait..."**, **false**, **false**);  }   @Override  **protected void** onPostExecute(String s) {  **super**.onPostExecute(s);  **loading**.dismiss();  Toast.*makeText*(UserProfile.**this**, s, Toast.***LENGTH\_LONG***).show();  }   @Override  **protected** String doInBackground(Void... v) {  HashMap<String, String> params = **new** HashMap<>();  params.put(Config.***KEY\_USER\_STATUS***, status);    RequestHandler rh = **new** RequestHandler();  String res = rh.sendPostRequest(Config.***URL\_ADD\_STATUS***, params);  **return** res;  }  }   AddStatus ae = **new** AddStatus();  ae.execute();  }    @Override  **public boolean** onCreateOptionsMenu(Menu menu) {  *// Inflate the menu; this adds items to the action bar if it is present.* getMenuInflater().inflate(R.menu.***menu\_user\_profile***, menu);  **return true**;  }   @Override  **public boolean** onOptionsItemSelected(MenuItem item) {  *// Handle action bar item clicks here. The action bar will  // automatically handle clicks on the Home/Up button, so long  // as you specify a parent activity in AndroidManifest.xml.* **int** id = item.getItemId();   *//noinspection SimplifiableIfStatement* **if** (id == R.id.***action\_settings***) {  **return true**;  }   **return super**.onOptionsItemSelected(item);  }     **public void** updatestatus(View v) {  **if** (v == **Update**) {  addStatus();  Intent a=**new** Intent(UserProfile.**this**, UserProfile.**class**);  startActivity(a);  }  }    @Override  **public void** onItemClick(AdapterView<?> parent, View view, **int** position, **long** id) {   } } |