

Welcome to Android Studio by Sasmitoh Rahmad Riady, S.Kom & Wahyu Hadikristanto, S.kom., M.Kom

Android studio and Mysql

1. Create Database Login
2. Create API Login and Register with php
3. Create Login and Register with android studio

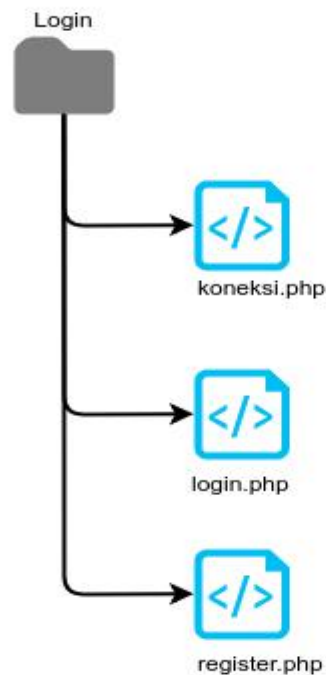
1. Buat Database Login

Buat Database baru yang memiliki tabel yaitu **users** dan memiliki atribut **id,username,password** berikut adalah gambar dari tabel users berikut tipe data.

users		
PK	<u>id</u>	Int (11) Auto INCREMENT
	username	varchar (50)
	password	varchar (50)

2. Membuat file php koneksi, login dan Register

Membuat API **koneksi.php**, **login.php**. Dan **register.php** yang berfungsi untuk mengirim data dari android



➤ **koneksi.php**

```
<?php

$server = "localhost";

$user      = "root";
$password  = "";
$database  = "sas_login";

$con = mysqli_connect($server, $user, $password, $database);

if (mysqli_connect_errno()) {

    echo "Gagal tekoneksi: " . mysqli_connect_error();

}

?>
```

➤ **login.php**

```
<?php

include_once "koneksi.php";

class usr{}

$username = $_POST["username"];
$password = $_POST["password"];

if ((empty($username)) || (empty($password))) {

    $response = new usr();

    $response->success = 0;

    $response->message = "Kolom tidak boleh kosong";

    die(json_encode($response));

}

$query = mysqli_query($con, "SELECT * FROM users WHERE
username='$username' AND password='$password'");
```

```

$row = mysqli_fetch_array($query);
if (!empty($row)){
    $response = new usr();
    $response->success = 1;
    $response->message = "Selamat datang ".$row['username'];
    $response->id = $row['id'];
    $response->username = $row['username'];
    die(json_encode($response));

} else {
    $response = new usr();
    $response->success = 0;
    $response->message = "Username atau password salah";
    die(json_encode($response));
}
mysqli_close($con);
?>

```

➤ **register.php**

```

<?php
include_once "koneksi.php";
class usr{}
$username = $_POST["username"];
$password = $_POST["password"];
$confirm_password = $_POST["confirm_password"];
if ((empty($username))) {
    $response = new usr();
    $response->success = 0;

```

```

        $response->message = "Kolom username tidak boleh kosong";
        die(json_encode($response));
    } else if ((empty($password))) {
        $response = new usr();
        $response->success = 0;
        $response->message = "Kolom password tidak boleh kosong";
        die(json_encode($response));
    } else if ((empty($confirm_password)) || $password != $confirm_password) {
        $response = new usr();
        $response->success = 0;
        $response->message = "Konfirmasi password tidak sama";
        die(json_encode($response));
    } else {
        if (!empty($username) && $password == $confirm_password){
            $num_rows = mysqli_num_rows(mysqli_query($con, "SELECT *
FROM users WHERE username='".$username.'""));
            if ($num_rows == 0){
                $query = mysqli_query($con, "INSERT INTO users (id,
username, password) VALUES(0,'" . $username . "','" . $password . "')");
                if ($query){
                    $response = new usr();
                    $response->success = 1;
                    $response->message = "Register berhasil,
silahkan login.";
                    die(json_encode($response));
                } else {
                    $response = new usr();
                    $response->success = 0;
                    $response->message = "Username sudah ada";

```

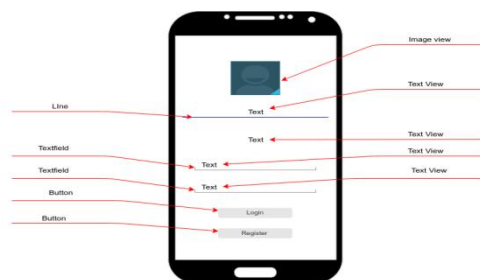
```

die(json_encode($response));
    }
} else {
    $response = new usr();
    $response->success = 0;
    $response->message = "Username sudah ada";
    die(json_encode($response));
}
}
}
mysqli_close($con);
?>

```

3. Membuat Login & register di android studio

berikut adalah source code untuk membuat aplikasi login dan register untuk , buat project baru di android studio anda, pertama kita akan membuat layoutnya terlebih dahulu, berikut adalah gambar dan source codenya



- app/res/activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="16dp"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:orientation="vertical">

        <ImageView
            android:id="@+id/logo"
            android:layout_width="100dp"
            android:layout_height="100dp"
            android:layout_gravity="center"
            android:background="@drawable/ngoding"/>

        <TextView
            android:id="@+id/TextView1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_marginBottom="5dp"
            android:layout_marginTop="5dp"
            android:text="www.sasmitohrr.web.id"
            android:textSize="18dip"
            android:textStyle="bold"/>

        <View
            android:id="@+id/View1"
            android:layout_width="fill_parent"
            android:layout_height="1dp"
            android:layout_gravity="center"
            android:background="#448AFF"/>

        <TextView
            android:id="@+id/txt_id"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content">
```

```

        android:layout_gravity="center"
        android:layout_margin="10dp"
        android:text="ID"/>

<TextView
    android:id="@+id/txt_username"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_margin="10dp"
    android:text="Username"/>
<Button
    android:id="@+id/btn_logout"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginTop="50dp"
    android:background="#00555555"
    android:text="Logout"
    android:textStyle="bold"/>

</LinearLayout>

</RelativeLayout>

```

Berikut adalah hasil dari layout tersebut



- app/res/login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout

xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="16dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:orientation="vertical">

        <ImageView
            android:id="@+id/logo"
            android:layout_width="100dp"
            android:layout_height="100dp"
            android:layout_gravity="center"
            android:background="@drawable/ngoding"/>

        <TextView
            android:id="@+id/TextView1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_marginBottom="5dp"
            android:layout_marginTop="5dp"
            android:text="www.sasmitohrr.web.id"
            android:textSize="18dip"
            android:textStyle="bold"/>

        <View
            android:layout_width="fill_parent"
            android:layout_height="1dp"
            android:layout_gravity="center"
            android:background="#448AFF"/>

        <TextView
            android:id="@+id/TextView2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
```

```

        android:layout_marginTop="30dp"
        android:text="Welcom, Login BELOW"
        android:textSize="16dip"/>

<EditText
    android:id="@+id/txt_username"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_margin="10dp"
    android:hint="Username"
    android:inputType="textEmailAddress"
    android:singleLine="true" />

<EditText
    android:id="@+id/txt_password"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_margin="10dp"
    android:hint="Password"
    android:password="true"
    android:singleLine="true" />

<Button
    android:id="@+id/btn_login"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginBottom="15dp"
    android:background="#00555555"
    android:text="Login"
    android:textStyle="bold" />

<Button
    android:id="@+id/btn_register"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginBottom="15dp"
    android:background="#00555555"
    android:text="Register"
    android:textStyle="bold" />

</LinearLayout>
</RelativeLayout>

```

Berikut adalah hasil dari layout tersebut



- **app/res/register.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout

xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="16dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:orientation="vertical">

        <ImageView
            android:id="@+id/logo"
            android:layout_width="100dp"
            android:layout_height="100dp"
            android:layout_gravity="center"
            android:background="@drawable/ngoding"/>

        <TextView
            android:id="@+id/TextView1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
```

```

        android:layout_gravity="center"
        android:layout_marginBottom="5dp"
        android:layout_marginTop="5dp"
        android:text="www.sasmitohrr.web.id"
        android:textSize="18dip"
        android:textStyle="bold" />

<View
    android:layout_width="fill_parent"
    android:layout_height="1dp"
    android:layout_gravity="center"
    android:background="#448AFF" />

<TextView
    android:id="@+id/TextView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginTop="30dp"
    android:text="Welcom, Register BELOW"
    android:textSize="16dip" />

<EditText
    android:id="@+id/txt_username"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_margin="10dp"
    android:hint="Username"
    android:inputType="textEmailAddress"
    android:singleLine="true" />

<EditText
    android:id="@+id/txt_password"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_margin="10dp"
    android:hint="Password"
    android:password="true"
    android:singleLine="true" />

<EditText
    android:id="@+id/txt_confirm_password"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_margin="10dp"
    android:hint="Confirmation Password"
    android:password="true" />

```

```

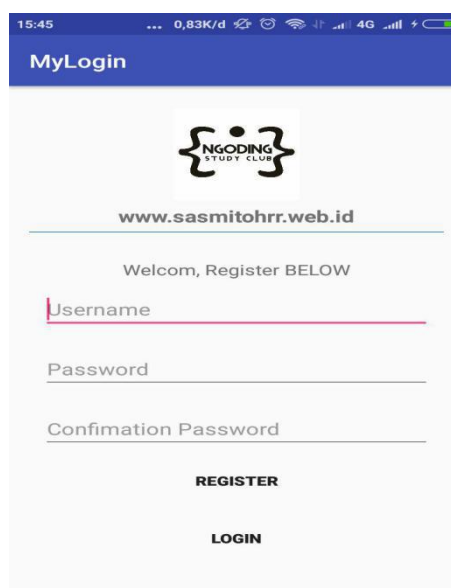
<Button
    android:id="@+id/btn_register"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginBottom="15dp"
    android:background="#00555555"
    android:text="Register"
    android:textStyle="bold"/>

<Button
    android:id="@+id/btn_login"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginBottom="15dp"
    android:background="#00555555"
    android:text="Login"
    android:textStyle="bold"/>

</LinearLayout>
</RelativeLayout>

```

Berikut adalah hasil dari layout tersebut



- Buat directoy baru dengan nama **app** didalam directori **app/java/id.ac.pelitabangsa.mylogin** lalu buat baru file **AppController.java** didalam **app/java/id.ac.pelitabangsa.mylogin/app/AppControler.java**
Note : id.ac.pelitabangsa.mylogin ini adalah package yang saya buat, sesuaikan dengan package kalian masing-masing. Berikut adalah sorce codenya

```
package id.ac.pelitabangsa.mylogin.app;

import android.app.Application;
import android.text.TextUtils;

import com.android.volley.Request;
import com.android.volley.RequestQueue;
import com.android.volley.toolbox.ImageLoader;
import com.android.volley.toolbox.Volley;

public class AppController extends Application{

    public static final String TAG =
AppController.class.getSimpleName();

    private RequestQueue mRequestQueue;

    private static AppController mInstance;

    @Override
    public void onCreate() {
        super.onCreate();
        mInstance = this;
    }

    public static synchronized AppController getInstance() {
        return mInstance;
    }

    public RequestQueue getRequestQueue() {
        if (mRequestQueue == null) {
            mRequestQueue =
Volley.newRequestQueue(getApplicationContext());
        }

        return mRequestQueue;
    }

    public <T> void addToRequestQueue(Request<T> req, String
tag) {
        req.setTag(TextUtils.isEmpty(tag) ? TAG : tag);
        getRequestQueue().add(req);
    }
}
```

```

    }

    public <T> void addToRequestQueue(Request<T> req) {
        req.setTag( TAG );
        getRequestQueue().add(req);
    }

    public void cancelPendingRequests(Object tag) {
        if (mRequestQueue != null) {
            mRequestQueue.cancelAll(tag);
        }
    }
}

```

- **app/java/id.ac.pelitabangsa.mylogin/Server.java**

```

package id.ac.pelitabangsa.mylogin;

public class Server {
    public static final String URL =
"http://192.168.43.169/login/";
}

```

- **app/java/id.ac.pelitabangsa.mylogin/Login.java**

```

package id.ac.pelitabangsa.mylogin;

import android.app.ProgressDialog;
import android.content.Context;
import android.content.Intent;
import android.content.SharedPreferences;
import android.net.ConnectivityManager;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.android.volley.Request;
import com.android.volley.Response;
import com.android.volley.VolleyError;

```

```

import com.android.volley.toolbox.StringRequest;
import id.ac.pelitabangsa.mylogin.app.AppController;
import org.json.JSONException;
import org.json.JSONObject;

import java.util.HashMap;
import java.util.Map;

public class Login extends AppCompatActivity{
    ProgressDialog pDialog;
    Button btn_register, btn_login;
    EditText txt_username, txt_password;
    Intent intent;

    int success;
    ConnectivityManager conMgr;

    private String url = Server.URL + "login.php";

    private static final String TAG =
Login.class.getSimpleName();

    private static final String TAG_SUCCESS = "success";
    private static final String TAG_MESSAGE = "message";

    public final static String TAG_USERNAME = "username";
    public final static String TAG_ID = "id";

    String tag_json_obj = "json_obj_req";

    SharedPreferences sharedPreferences;
    Boolean session = false;
    String id, username;
    public static final String my_shared_preferences =
"my_shared_preferences";
    public static final String session_status =
"session_status";

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.login);

        conMgr = (ConnectivityManager)
getSystemService(Context.CONNECTIVITY_SERVICE);
        {
            if (conMgr.getActiveNetworkInfo() != null
                &&
conMgr.getActiveNetworkInfo().isAvailable()
                &&

```



```

conMgr.getActiveNetworkInfo().isConnected()) {
    } else {
        Toast.makeText(getApplicationContext(), "No
Internet Connection",
            Toast.LENGTH_LONG).show();
    }
}

btn_login = (Button) findViewById(R.id.btn_login);
btn_register = (Button)
findViewById(R.id.btn_register);
txt_username = (EditText)
findViewById(R.id.txt_username);
txt_password = (EditText)
findViewById(R.id.txt_password);

// Cek session login jika TRUE maka langsung buka
MainActivity
    sharedPreferences =
getSharedPreferences(my_shared_preferences,
Context.MODE_PRIVATE);
    session =
sharedPreferences.getBoolean(session_status, false);
    id = sharedPreferences.getString(TAG_ID, null);
    username = sharedPreferences.getString(TAG_USERNAME,
null);

    if (session) {
        Intent intent = new Intent(Login.this,
MainActivity.class);
        intent.putExtra(TAG_ID, id);
        intent.putExtra(TAG_USERNAME, username);
        finish();
        startActivity(intent);
    }

    btn_login.setOnClickListener(new
View.OnClickListener() {

        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            String username =
txt_username.getText().toString();
            String password =
txt_password.getText().toString();

            // mengecek kolom yang kosong
            if (username.trim().length() > 0 &&

```

```

password.trim().length() > 0) {
    if (conMgr.getActiveNetworkInfo() !=
null
        &&
conMgr.getActiveNetworkInfo().isAvailable()
        &&
conMgr.getActiveNetworkInfo().isConnected()) {
        checkLogin(username, password);
    } else {

Toast.makeText(getApplicationContext() ,"No Internet
Connection", Toast.LENGTH_LONG).show();
    }
    } else {
        // Prompt user to enter credentials

Toast.makeText(getApplicationContext() ,"Kolom tidak boleh
kosong", Toast.LENGTH_LONG).show();
    }
    }
});

    btn_register.setOnClickListener(new
View.OnClickListener() {

        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            intent = new Intent(Login.this,
Register.class);
            finish();
            startActivity(intent);
        }
    });

}

    private void checkLogin(final String username, final
String password) {
        progressDialog = new ProgressDialog(this);
        progressDialog.setCancelable(false);
        progressDialog.setMessage("Logging in ...");
        progressDialog.show();

        StringRequest strReq = new
StringRequest(Request.Method.POST, url, new
Response.Listener<String>() {

            @Override
            public void onResponse(String response) {

```

```

        Log.e(TAG, "Login Response: " +
response.toString());
        hideDialog();

        try {
            JSONObject jsonObj = new
JSONObject(response);
            success = jsonObj.getInt(TAG_SUCCESS);

            // Check for error node in json
            if (success == 1) {
                String username =
jsonObj.getString(TAG_USERNAME);
                String id = jsonObj.getString(TAG_ID);

                Log.e("Successfully Login!",
jsonObj.toString());

                Toast.makeText(getApplicationContext(),
jsonObj.getString(TAG_MESSAGE), Toast.LENGTH_LONG).show();

                // menyimpan login ke session
                SharedPreferences.Editor editor =
sharedpreferences.edit();
                editor.putBoolean(session_status,
true);

                editor.putString(TAG_ID, id);
                editor.putString(TAG_USERNAME,
username);

                editor.commit();

                // Memanggil main activity
                Intent intent = new
Intent(Login.this, MainActivity.class);
                intent.putExtra(TAG_ID, id);
                intent.putExtra(TAG_USERNAME,
username);

                finish();
                startActivity(intent);
            } else {

                Toast.makeText(getApplicationContext(),
jObj.getString(TAG_MESSAGE),
Toast.LENGTH_LONG).show();

            }
        } catch (JSONException e) {
            // JSON error
            e.printStackTrace();

```

```

    }

    }, new Response.ErrorListener() {

        @Override
        public void onErrorResponse(VolleyError error) {
            Log.e(TAG, "Login Error: " +
error.getMessage());
            Toast.makeText(getApplicationContext(),
error.getMessage(),
Toast.LENGTH_LONG).show();

            hideDialog();

        }
    }) {

        @Override
        protected Map<String, String> getParams() {
            // Posting parameters to login url
            Map<String, String> params = new
HashMap<String, String>();
            params.put("username", username);
            params.put("password", password);

            return params;
        }

    };

    // Adding request to request queue
AppController.getInstance().addToRequestQueue(strReq,
tag_json_obj);
}

private void showDialog() {
    if (!pDialog.isShowing())
        pDialog.show();
}

private void hideDialog() {
    if (pDialog.isShowing())
        pDialog.dismiss();
}

}

```

- app/java/id.ac.pelitabangsa.mylogin/Register.java

```
package id.ac.pelitabangsa.mylogin;

import android.app.ProgressDialog;
import android.content.Context;
import android.content.Intent;
import android.net.ConnectivityManager;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.android.volley.Request;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.StringRequest;
import id.ac.pelitabangsa.mylogin.app.AppController;

import org.json.JSONException;
import org.json.JSONObject;

import java.util.HashMap;
import java.util.Map;

public class Register extends AppCompatActivity{
    ProgressDialog pDialog;
    Button btn_register, btn_login;
    EditText txt_username, txt_password,
txt_confirm_password;
    Intent intent;

    int success;
    ConnectivityManager conMgr;

    private String url = Server.URL + "register.php";

    private static final String TAG =
Register.class.getSimpleName();

    private static final String TAG_SUCCESS = "success";
    private static final String TAG_MESSAGE = "message";

    String tag_json_obj = "json_obj_req";

    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

```

        super.onCreate(savedInstanceState);
        setContentView(R.layout.register);

        conMgr = (ConnectivityManager)
getSystemService(Context.CONNECTIVITY_SERVICE);
        {
            if (conMgr.getActiveNetworkInfo() != null
                &&
conMgr.getActiveNetworkInfo().isAvailable()
                &&
conMgr.getActiveNetworkInfo().isConnected()) {
            } else {
                Toast.makeText(getApplicationContext(), "No
Internet Connection",
                    Toast.LENGTH_LONG).show();
            }
        }

        btn_login = (Button) findViewById(R.id.btn_login);
        btn_register = (Button)
findViewById(R.id.btn_register);
        txt_username = (EditText)
findViewById(R.id.txt_username);
        txt_password = (EditText)
findViewById(R.id.txt_password);
        txt_confirm_password = (EditText)
findViewById(R.id.txt_confirm_password);

        btn_login.setOnClickListener(new
View.OnClickListener() {

            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                intent = new Intent(Register.this,
Login.class);
                finish();
                startActivity(intent);
            }
        });

        btn_register.setOnClickListener(new
View.OnClickListener() {

            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                String username =
txt_username.getText().toString();
                String password =

```

```

txt_password.getText().toString();
        String confirm_password =
txt_confirm_password.getText().toString();

        if (conMgr.getActiveNetworkInfo() != null
            &&
conMgr.getActiveNetworkInfo().isAvailable()
            &&
conMgr.getActiveNetworkInfo().isConnected()) {
            checkRegister(username, password,
confirm_password);
        } else {
            Toast.makeText(getApplicationContext(),
"No Internet Connection", Toast.LENGTH_SHORT).show();
        }
    }
});
}

private void checkRegister(final String username, final
String password, final String confirm_password) {
    pDialog = new ProgressDialog(this);
    pDialog.setCancelable(false);
    pDialog.setMessage("Register ...");
    showDialog();

    StringRequest strReq = new
StringRequest(Request.Method.POST, url, new
Response.Listener<String>() {

        @Override
        public void onResponse(String response) {
            Log.e(TAG, "Register Response: " +
response.toString());
            hideDialog();

            try {
                JSONObject jsonObj = new
JSONObject(response);
                success = jsonObj.getInt(TAG_SUCCESS);

                // Check for error node in json
                if (success == 1) {

                    Log.e("Successfully Register!",
jsonObj.toString());

                    Toast.makeText(getApplicationContext(),

```

```

jObj.getString( TAG_MESSAGE),
Toast.LENGTH_LONG).show();

        txt_username.setText("");
        txt_password.setText("");
        txt_confirm_password.setText("");

    } else {

Toast.makeText(getApplicationContext(),
jObj.getString( TAG_MESSAGE),
Toast.LENGTH_LONG).show();

    }
    } catch (JSONException e) {
        // JSON error
        e.printStackTrace();
    }

    }
    }, new Response.ErrorListener() {

        @Override
        public void onErrorResponse(VolleyError error) {
            Log.e( TAG, "Login Error: " +
error.getMessage());
            Toast.makeText(getApplicationContext(),
error.getMessage(),
Toast.LENGTH_LONG).show();

            hideDialog();

        }
    }) {

        @Override
        protected Map<String, String> getParams() {
            // Posting parameters to login url
            Map<String, String> params = new
HashMap<String, String>();
            params.put("username", username);
            params.put("password", password);
            params.put("confirm_password",
confirm_password);

            return params;
        }

    };
};

```



```

        // Adding request to request queue
AppController.getInstance().addToRequestQueue(strReq,
tag_json_obj);
    }

    private void showDialog() {
        if (!pDialog.isShowing())
            pDialog.show();
    }

    private void hideDialog() {
        if (pDialog.isShowing())
            pDialog.dismiss();
    }

    @Override
    public void onBackPressed() {
        intent = new Intent(Register.this, Login.class);
        finish();
        startActivity(intent);
    }
}

```

- **app/java/id.ac.pelitabangsa.mylogin/MainActivity.java**

```

package id.ac.pelitabangsa.mylogin;

import android.content.Context;
import android.content.Intent;
import android.content.SharedPreferences;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    Button btn_logout;
    TextView txt_id, txt_username;
    String id, username;
    SharedPreferences sharedPreferences;

    public static final String TAG_ID = "id";
    public static final String TAG_USERNAME = "username";
}

```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    txt_id = (TextView) findViewById(R.id.txt_id);
    txt_username = (TextView)
findViewById(R.id.txt_username);
    btn_logout = (Button) findViewById(R.id.btn_logout);

    sharedPreferences =
getSharedPreferences(Login.my_shared_preferences,
Context.MODE_PRIVATE);

    id = getIntent().getStringExtra(TAG_ID);
    username = getIntent().getStringExtra(TAG_USERNAME);

    txt_id.setText("ID : " + id);
    txt_username.setText("USERNAME : " + username);

    btn_logout.setOnClickListener(new
View.OnClickListener() {

        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            // update login session ke FALSE dan
mengosongkan nilai id dan username
            SharedPreferences.Editor editor =
sharedPreferences.edit();
            editor.putBoolean(Login.session_status,
false);

            editor.putString(TAG_ID, null);
            editor.putString(TAG_USERNAME, null);
            editor.commit();

            Intent intent = new Intent(MainActivity.this,
Login.class);
            finish();
            startActivity(intent);
        }
    });
}
}

```

- **app/manifests/AndroidManifest.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<manifest
xmlns:android="http://schemas.android.com/apk/res/android"
    package="id.ac.pelitabangsa.mylogin">

    <uses-permission
android:name="android.permission.INTERNET" />
    <uses-permission
android:name="android.permission.ACCESS_NETWORK_STATE" />

    <application
        android:name=".app.AppController"
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".Login">
            <intent-filter>
                <action
android:name="android.intent.action.MAIN" />

                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity android:name=".MainActivity" />
        <activity android:name=".Register" />
    </application>

</manifest>
```