

Activity 8
Mengubah Data Dan Menghapus Data Menggunakan Database Mysql

1. Buka folder instalasi xampp → buka folder “htdocs” → buat file php dengan cara → buka notepad → tulis syntax untuk mengedit data dari database

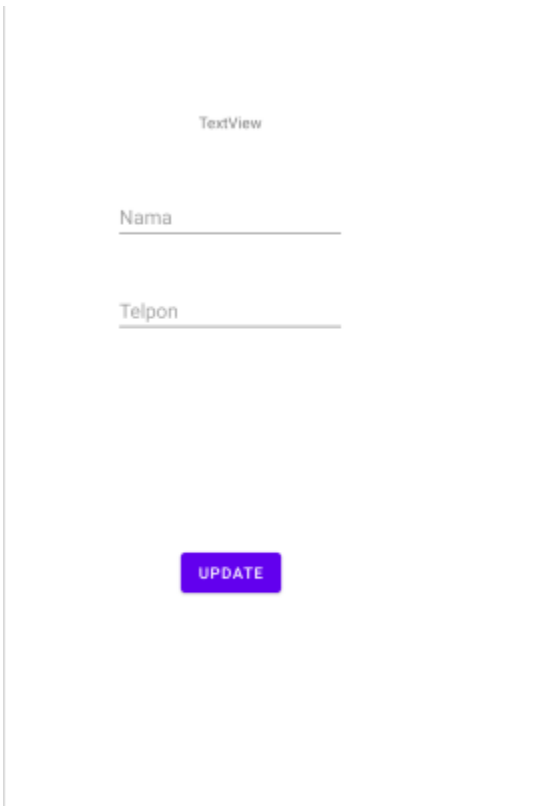
```
1 <?php
2
3 $server = "localhost";
4 $user = "root";
5 $namadb = "tiummy";
6 $password = "";
7
8 $conn = mysqli_connect($server, $user, $password, $namadb) or die ("Koneksi gagal");
9
10 $id = $_POST['id'];
11 $nama = $_POST['nama'];
12 $telpon = $_POST ['telpon'];
13
14 class emp()
15 {
16     $query = mysqli_query($conn,"update teman set nama = '". $nama."' , telpon = '". $telpon."' WHERE id = '". $id."'");
17
18     if ($query){
19         $response = new emp();
20         $response -> success = 1;
21         $response -> message = "Data berhasil diedit";
22         die(json_encode($response));
23     }
24     else {
25         $response = new emp();
26         $response -> success = 0;
27         $response -> message = "Gagal menyimpan diedit";
28         die(json($response));
29     }
30 }
```

→ simpan didalam folder “umyTI” dengan nama file “updatetm.php” → buat satu buah file php untuk menghapus data → buka notepad → tulis syntax untuk menghapus data

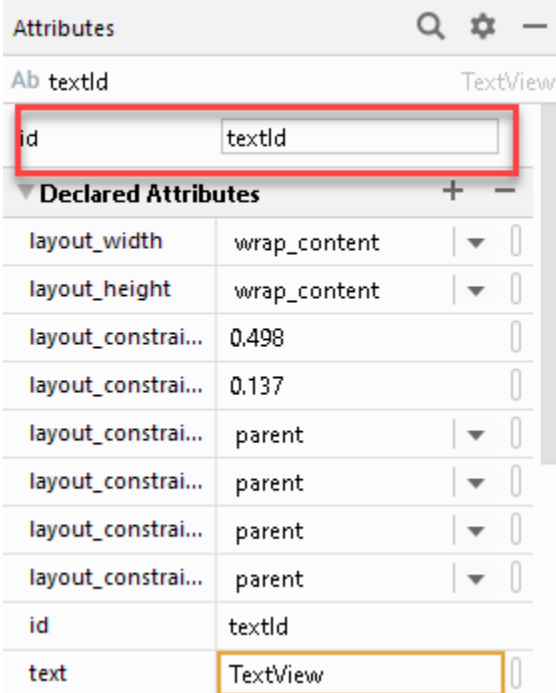
```
1 <?php
2
3 $server = "localhost";
4 $user = "root";
5 $namadb = "tiummy";
6 $password = "";
7
8 $conn = mysqli_connect($server, $user, $password, $namadb) or die ("Koneksi gagal");
9
10 $id = $_POST['id'];
11
12 class emp()
13 {
14     $query = mysqli_query($conn,"DELETE from teman WHERE id = '". $id."'");
15
16     if ($query){
17         $response = new emp();
18         $response -> success = 1;
19         $response -> message = "Data berhasil dihapus";
20         die(json_encode($response));
21     }
22     else {
23         $response = new emp();
24         $response -> success = 0;
25         $response -> message = "Gagal menghapus data";
26         die(json($response));
27     }
28 }
```

→ simpan didalam folder “umyTI” dengan nama file “deletetm.php”

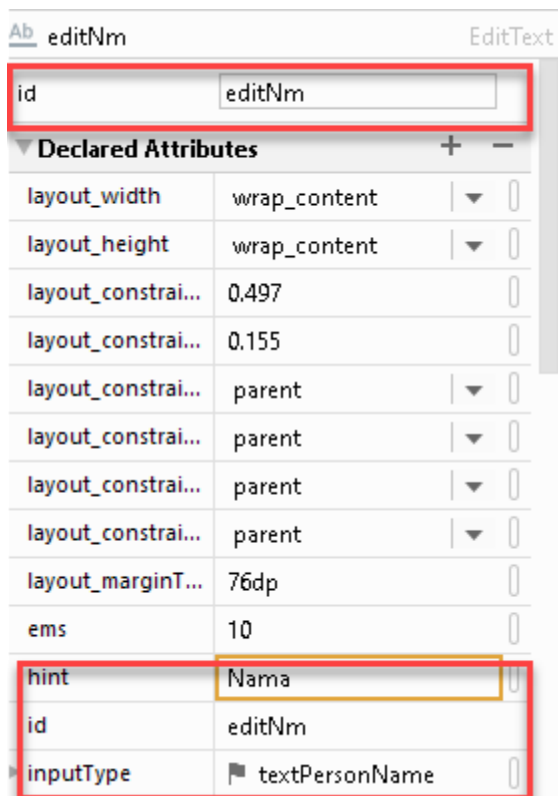
2. Tambahkan activity baru yang akan digunakan untuk mengedit data kedalam database dengan nama “EditTeman” → buka “activity_edit_teman.xml” → tambahkan 1 textview, 2 edittext dan 1 button, sehingga tampilan dari layout tersebut akan menjadi seperti pada gambar dibawah



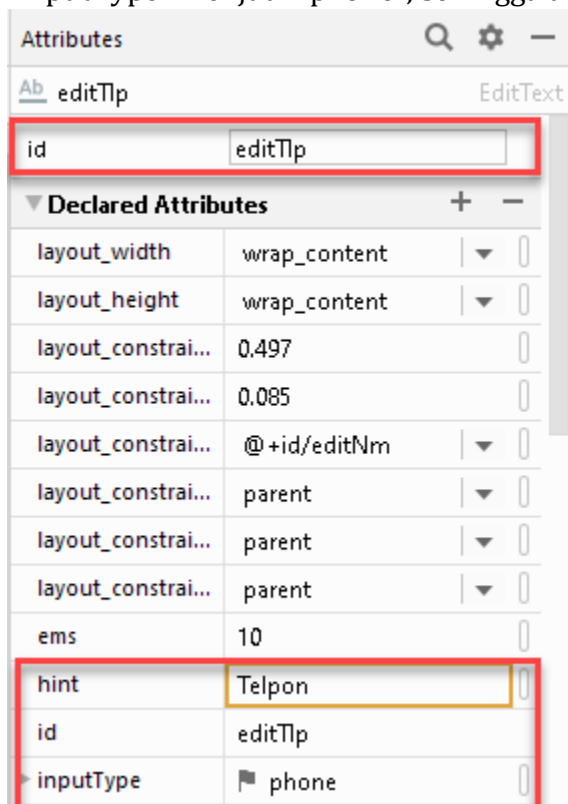
→ Buka atribut pada textview → kemudian ubah id dari textview tersebut menjadi “textId” sehingga akan menjadi seperti pada gambar dibawah



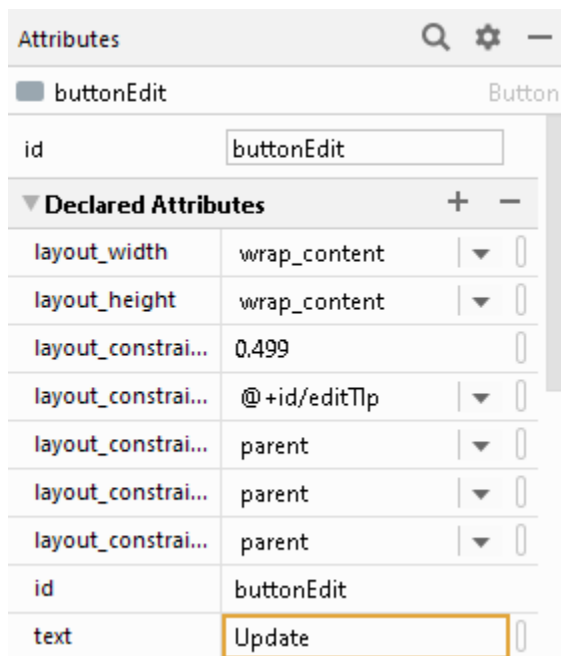
→ Buka atribut pada edittext yang pertama → kemudian ubah id dari edittext tersebut menjadi “editNm” kemudian ubah isi atribut “hint” menjadi “Nama” dan ubah “inputType” menjadi “textPersonName”, sehingga akan menjadi seperti pada gambar dibawah



→ Buka atribut pada editText yang kedua → kemudian ubah id dari editText tersebut menjadi “editTlp” kemudian ubah isi atribut “hint” menjadi “Telpon” dan ubah “inputType” menjadi “phone”, sehingga akan menjadi seperti pada gambar dibawah



→ Buka atribut pada button → kemudian ubah id dari button tersebut menjadi “buttonEdit” kemudian ubah isi atribut “text” menjadi “Update” sehingga akan menjadi seperti pada gambar dibawah



3. Buka "EditTeman.java" → tambahkan beberapa variable seperti pada gambar dibawah

```
public class EditTeman extends AppCompatActivity {
    TextView idText;
    EditText edNama, edTelpon;
    Button editBtn;
    String id, nm, tlp, namaEd, telponEd;
    int sukses;

    private static String url_update = "http://10.0.2.2/umyTI/updatetm.php";
    private static final String TAG = EditTeman.class.getSimpleName();
    private static final String TAG_SUCCES = "success";
}
```

→ buat method baru dengan nama "EditData()" → tambah code untuk mengedit data kedalam database sesuai dengan gambar dibawah

```

66 public void EditData()
67     {
68         namaEd = edNama.getText().toString();
69         telponEd = edTelpon.getText().toString();
70
71         RequestQueue requestQueue = Volley.
newRequestQueue(getApplicationContext());
72         StringRequest stringReq = new StringRequest(
Request.Method.POST, url_update, new Response.Listener<
String>() {
73             @Override
74             public void onResponse(String response) {
75                 Log.d(TAG, "Respon: " + response.toString
76                 ());
77                 try {
78                     JSONObject jsonObj = new JSONObject(
response);
79                     sukses = jsonObj.getInt(TAG_SUCCES);
80                     if (sukses == 1){
81                         Toast.makeText(EditTeman.this, "
Sukses mengedit data",Toast.LENGTH_SHORT).show();
82                     }else{
83                         Toast.makeText(EditTeman.this, "
gagal",Toast.LENGTH_SHORT).show();
84                     }
85                 }
86                 catch (JSONException e)
87                 {
88                     e.printStackTrace();
89                 }}
90             },new Response.ErrorListener(){
91                 @Override
92                 public void onErrorResponse(VolleyError error
93                 ){
94                     Log.e(TAG,"Error : "+error.getMessage());
95                     Toast.makeText(EditTeman.this,"Gagal Edit
data",Toast.LENGTH_SHORT).show();
96                 }
97             })
98             {
99                 @Override
100                 protected Map<String,String> getParams(){
101                     Map<String,String> params = new HashMap
<>();
102
103                     params.put("id",id);
104                     params.put("nama",namaEd);
105                     params.put("telpon",telponEd);
106
107                     return params;
108                 }
109             };
110         requestQueue.add(stringReq);
111         CallHomeActivity();
112     }

```

→ buat method dengan nama “CallHomeActivity()” yang akan digunakan untuk berpindah dari activity EditTeman ke MainActivity. → tambah code untuk berpindah dari activity EditTeman ke MainActivity sesuai dengan gambar dibawah

```
public void CallHomeActivity()
{
    Intent inten = new Intent(getApplicationContext(), MainActivity.class);
    startActivity(inten);
    finish();
}
```

→ tambahkan method “EditData()” kedalam event button onclick, sehingga tampilannya akan menjadi seperti pada gambar dibawah

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

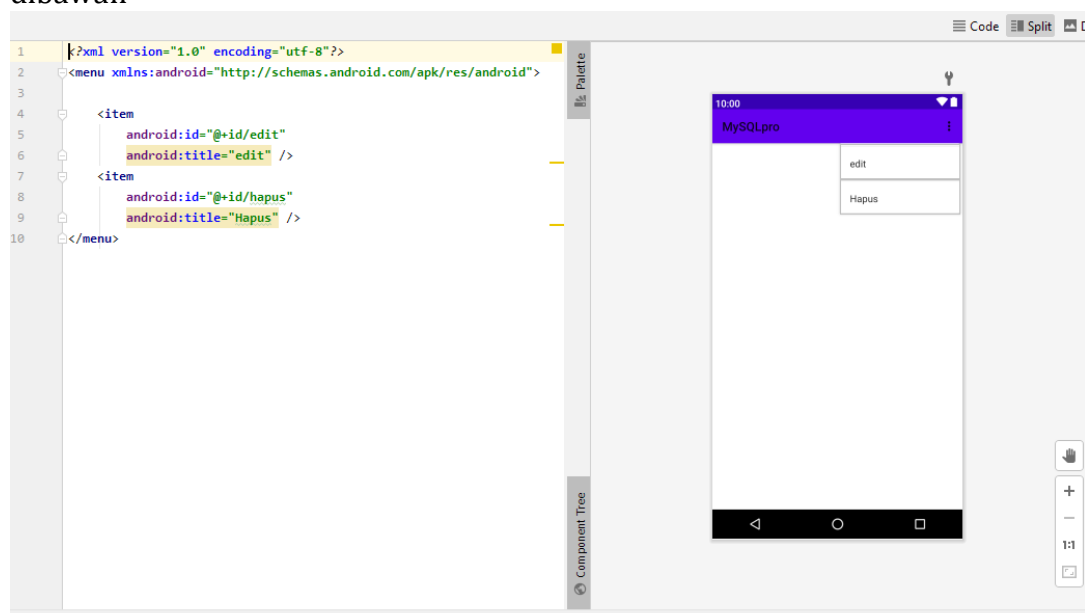
    idText = findViewById(R.id.textId);
    edNama = findViewById(R.id.editNm);
    edTelpon = findViewById(R.id.editTlp);
    editBtn = findViewById(R.id.buttonEdit);

    Bundle bundle = getIntent().getExtras();
    id = bundle.getString( key: "kunci1");
    nm = bundle.getString( key: "kunci2");
    tlp = bundle.getString( key: "kunci3");

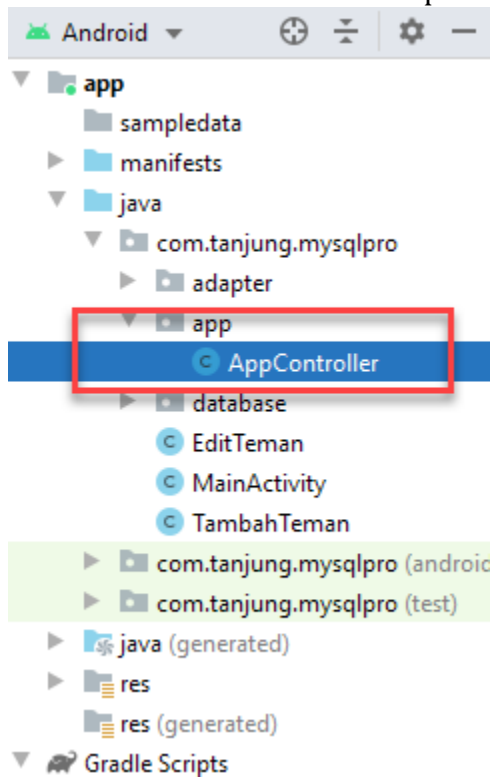
    idText.setText("Id: "+ id);
    edNama.setText(nm);
    edTelpon.setText(tlp);

    editBtn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            EditData();
        }
    });
}
```

4. Buat “Menu” untuk menampilkan pilihan “edit” dan “Hapus” dengan nama “popup1.xml” → tampilan dari layout menu tersebut adalah seperti pada gambar dibawah



5. Buat package baru dengan nama “app” → buat java class baru didalam package tersebut dengan nama “AppController.java”. sehingga tampilan dari projek android anda akan seperti pada gambar dibawah



→ buka “AppController.java” → tambahkan syntax dibawah untuk mengontrol aplikasi yang anda buat.

```

10 public class AppController extends Application {
11     public static final String TAG = AppController.class.
getSimpleName();
12
13     private RequestQueue mRequestQueue;
14     private static AppController mInstance;
15
16     @Override
17     public void onCreate()
18     {
19         super.onCreate();
20         mInstance = this;
21     }
22
23     public static synchronized AppController getInstance
24     (){return mInstance;}
25
26     public RequestQueue getRequestQueue()
27     {
28         if(mRequestQueue == null)
29         {
30             mRequestQueue = Volley.newRequestQueue(
getApplicationContext());
31         }
32         return mRequestQueue;
33     }
34
35     public <T> void addToRequestQueue(Request<T> req,
String tag)
36     {
37         req.setTag(TextUtils.isEmpty(tag) ? TAG : tag);
38         getRequestQueue().add(req);
39     }
40
41     public <T> void addToRequestQueue(Request<T> req)
42     {
43         req.setTag(TAG);
44         getRequestQueue().add(req);
45     }
46
47     public void cancelPendingRequest(Object tag)
48     {
49         if(mRequestQueue != null)
50         {
51             mRequestQueue.cancelAll(tag);
52         }
53 }

```

6. Buka "TemanAdater.java" → pada bagian event long klik pada cardview → tambahkan syntax untuk menampilkan popup menu yang digunakan untuk mengedit data ataupun menghapus data. Sehingga tampilan isi dari event tersebut akan seperti pada gambar dibawah.


```

67 holder.cardku.setOnLongClickListener(new View.  
    OnLongClickListener() {  
68         @Override  
69         public boolean onLongClick(View v) {  
70             PopupMenu pm = new PopupMenu(v.getContext  
    ()), v);  
71             pm.inflate(R.menu.popup1);  
72  
73             pm.setOnMenuItemClickListener(new  
    PopupMenu.OnMenuItemClickListener() {  
74                 @Override  
75                 public boolean onMenuItemClick(  
    MenuItem item) {  
76                     switch(item.getItemId())  
77                     {  
78                         case R.id.edit:  
79                             Bundle bendel = new  
    Bundle();  
80                             bendel.putString("kunci1"  
    , id);  
81                             bendel.putString("kunci2"  
    , nm);  
82                             bendel.putString("kunci3"  
    , tlp);  
83  
84                             Intent inten = new Intent  
    (v.getContext(), EditTeman.class);  
85                             inten.putExtras(bendel);  
86                             v.getContext().  
    startActivity(inten);  
87                             break;  
88  
89                             case R.id.hapus:  
90                                 AlertDialog.Builder  
    alertdb = new AlertDialog.Builder(v.getContext());  
91                                 alertdb.setTitle("Yakin "  
    +nm+" akan dihapus?");  
92                                 alertdb.setMessage("Tekan  
    Ya untuk menghapus");  
93                                 alertdb.setCancelable(  
    false);  
94                                 alertdb.setPositiveButton  
    ("Ya", new DialogInterface.OnClickListener() {  
95                                     @Override  
96                                     public void onClick(  
    DialogInterface dialog, int which) {

```

```

97                                     HapusData(id);
98                                     Toast.makeText(v.
    getContext(), "Data "+id+" telah dihapus", Toast.
    LENGTH_LONG).show();
99                                     Intent intent =
    new Intent(v.getContext(), MainActivity.class);
100                                     v.getContext().
    startActivity(intent);
101                                     }
102                                     });
103                                     alertdb.setNegativeButton
    ("Tidak", new DialogInterface.OnClickListener() {
104                                     @Override
105                                     public void onClick(
    DialogInterface dialog, int which) {
106                                     dialog.cancel();
107                                     }
108                                     });
109                                     AlertDialog adlg =
    alertdb.create();
110                                     adlg.show();
111                                     break;
112                                     }
113                                     return true;
114                                     }
115                                     });
116                                     pm.show();
117                                     return true;
118                                     }
119                                     });

```

→ kemudian buatlah method “HapusData(final String idx)” yang berfungsi untuk menghapus data. Isi dari method tersebut dapat dilihat pada gambar dibawah

```

122 private void HapusData(final String idx) {
123     String url_update = "http://10.0.2.2/umyTI/
deletetm.php";
124     final String TAG = MainActivity.class.
getSimpleName();
125     final String TAG_SUCCES = "success";
126     final int[] sukses = new int[1];
127
128     StringRequest stringReq = new StringRequest(
Request.Method.POST, url_update, new Response.Listener<
String>() {
129         @Override
130         public void onResponse(String response) {
131             Log.d(TAG, "Respon: " + response.toString
132             ());
133             try {
134                 JSONObject jsonObj = new JSONObject(
response);
135                 sukses[0] = jsonObj.getInt(TAG_SUCCES);
136
137             }
138             catch (JSONException e)
139             {
140                 e.printStackTrace();
141             }}
142     },new Response.ErrorListener(){
143         @Override
144         public void onErrorResponse(VolleyError error
145     ){
146         Log.e(TAG,"Error : "+error.getMessage());
147     }
148     })
149     {
150         @Override
151         protected Map<String,String> getParams(){
152             Map<String,String> params = new HashMap
153             <>();
154
155             params.put("id",idx);
156
157             return params;
158         }
159     };
160     AppController.getInstance().addToRequestQueue(
stringReq);
160 }

```

7. Buka "MainActivity.java" → pada method "BacaData()" tambahkan code "temanArrayList.clear();" dan "adapter.notifyDataSetChanged();", code tersebut berfungsi untuk mereset arraylist dan mengupdate adapter ketika activity "MainActivity" dijalankan. Sehingga tampilan isi dari method tersebut akan menjadi

seperti pada gambar dibawah

```
public void BacaData(){
    temanArrayList.clear();
    RequestQueue requestQueue = Volley.newRequestQueue(getApplicationContext());

    JsonRequest jArr = new JsonRequest(url_select, new Response.Listener<JSONArray>() {
        @Override
        public void onResponse(JSONArray response) {
            Log.d(TAG, response.toString());

            // Parsing json
            for (int i = 0; i < response.length(); i++) {
                try {
                    JSONObject obj = response.getJSONObject(i);

                    Teman item = new Teman();

                    item.setId(obj.getString(TAG_ID));
                    item.setNama(obj.getString(TAG_NAMA));
                    item.setTelpon(obj.getString(TAG_TELPON));

                    // menambah item ke array
                    temanArrayList.add(item);
                } catch (JSONException e) {
                    e.printStackTrace();
                }
            }
            adapter.notifyDataSetChanged();
        }
    }, new Response.ErrorListener() {
```

8. Buka “AndroidManifest.xml” → tambahkan “app:name” atribut pada tag “application”, sehingga tampilan dari “AndroidManifest.xml” akan menjad seperti pada gambar dibawah

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

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

    <application
        android:name=".app.AppController"
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="MySQLpro"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.MySQLpro"
        android:usesCleartextTraffic="true">
        <activity android:name=".EditTeman"></activity>
        <activity android:name=".TambahTeman" />
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

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

</manifest>
```

9. Jalankan aplikasinya menggunakan emulator yang terdapat pada android studio. Jika anda menjalankan aplikasi tesebut menggunakan smartphone anda, aplikasi tersebut tidaka dapat digunakan untuk menampilkan data dan menyimpan data database dikarenakan database tersebut bersifat local.

Lampiran

1. Tampilan code untuk “AppController.java”

```
1 package com.tanjung.mysqlpro.app;
2
3 import android.app.Application;
4 import android.text.TextUtils;
5
6 import com.android.volley.Request;
7 import com.android.volley.RequestQueue;
8 import com.android.volley.toolbox.Volley;
9
10 public class AppController extends Application {
11     public static final String TAG = AppController.class.
    getSimpleName();
12
13     private RequestQueue mRequestQueue;
14     private static AppController mInstance;
15
16     @Override
17     public void onCreate()
18     {
19         super.onCreate();
20         mInstance = this;
21     }
22
23     public static synchronized AppController getInstance
    (){return mInstance;}
24
25     public RequestQueue getRequestQueue()
26     {
27         if(mRequestQueue == null)
28         {
29             mRequestQueue = Volley.newRequestQueue(
    getApplicationContext());
30         }
31         return mRequestQueue;
32     }
33
34     public <T> void addToRequestQueue(Request<T> req,
    String tag)
35     {
36         req.setTag(TextUtils.isEmpty(tag) ? TAG : tag);
37         getRequestQueue().add(req);
38     }
39
40     public <T> void addToRequestQueue(Request<T> req)
41     {
42         req.setTag(TAG);
```

```
43         getRequestQueue().add(req);
44     }
45
46     public void cancelPendingRequest(Object tag)
47     {
48         if(mRequestQueue != null)
49         {
50             mRequestQueue.cancelAll(tag);
51         }
52     }
53 }
54
```

2. Tampilan code untuk “TemanAdapter.java”

```
1 package com.tanjung.mysqlpro.adapter;
2
3 import android.app.AlertDialog;
4 import android.content.DialogInterface;
5 import android.content.Intent;
6 import android.graphics.Color;
7 import android.os.Bundle;
8 import android.util.Log;
9 import android.view.LayoutInflater;
10 import android.view.MenuItem;
11 import android.view.View;
12 import android.view.ViewGroup;
13 import android.widget.PopupMenu;
14 import android.widget.Switch;
15 import android.widget.TextView;
16 import android.widget.Toast;
17
18 import androidx.cardview.widget.CardView;
19 import androidx.recyclerview.widget.RecyclerView;
20
21 import com.android.volley.Request;
22 import com.android.volley.RequestQueue;
23 import com.android.volley.Response;
24 import com.android.volley.VolleyError;
25 import com.android.volley.toolbox.StringRequest;
26 import com.android.volley.toolbox.Volley;
27 import com.tanjung.mysqlpro.EditTeman;
28 import com.tanjung.mysqlpro.MainActivity;
29 import com.tanjung.mysqlpro.R;
30 import com.tanjung.mysqlpro.app.AppController;
31 import com.tanjung.mysqlpro.database.Teman;
32
33 import org.json.JSONException;
34 import org.json.JSONObject;
35
36 import java.util.ArrayList;
37 import java.util.HashMap;
38 import java.util.Map;
39
40 public class TemanAdapter extends RecyclerView.Adapter<
    TemanAdapter.TemanViewHolder> {
41     private ArrayList<Teman> listData;
42
43     public TemanAdapter(ArrayList<Teman> listData) {
44         this.listData = listData;
45     }
```

```

81 , nm);
82         bendel.putString("kunci3"
83         , tlp);
84         Intent inten = new Intent
85         (v.getContext(), EditTeman.class);
86         inten.putExtras(bendel);
87         v.getContext().
88         startActivity(inten);
89         break;
90         case R.id.hapus:
91             AlertDialog.Builder
92             alertdb = new AlertDialog.Builder(v.getContext());
93             alertdb.setTitle("Yakin "
94             +nm+" akan dihapus?");
95             alertdb.setMessage("Tekan
96             Ya untuk menghapus");
97             alertdb.setCancelable(
98             false);
99             alertdb.setPositiveButton
100             ("Ya", new DialogInterface.OnClickListener() {
101                 @Override
102                 public void onClick(
103                 DialogInterface dialog, int which) {
104                     HapusData(id);
105                     Toast.makeText(v.
106                     getContext(), "Data "+id+" telah dihapus", Toast.
107                     LENGTH_LONG).show();
108                     Intent intent =
109                     new Intent(v.getContext(), MainActivity.class);
110                     v.getContext().
111                     startActivity(intent);
112                 }
113             });
114             alertdb.setNegativeButton
115             ("Tidak", new DialogInterface.OnClickListener() {
116                 @Override
117                 public void onClick(
118                 DialogInterface dialog, int which) {
119                     dialog.cancel();
120                 }
121             });
122             AlertDialog adlg =
123             alertdb.create();
124             adlg.show();

```

```

111                                     break;
112                                 }
113                             return true;
114                         }
115                     });
116                     pm.show();
117                     return true;
118                 }
119             });
120         }
121
122         private void HapusData(final String idx) {
123             String url_update = "http://10.0.2.2/umyTI/
deletetm.php";
124             final String TAG = MainActivity.class.
getSimpleName();
125             final String TAG_SUCCES = "success";
126             final int[] sukses = new int[1];
127
128             StringRequest stringReq = new StringRequest(
Request.Method.POST, url_update, new Response.Listener<
String>() {
129                 @Override
130                 public void onResponse(String response) {
131                     Log.d(TAG, "Respon: " + response.toString
());
132
133                     try {
134                         JSONObject jsonObj = new JSONObject(
response);
135                         sukses[0] = jsonObj.getInt(TAG_SUCCES);
136
137                     }
138                     catch (JSONException e)
139                     {
140                         e.printStackTrace();
141                     }
142                 }, new Response.ErrorListener(){
143                     @Override
144                     public void onErrorResponse(VolleyError error
){
145                         Log.e(TAG, "Error : "+error.getMessage());
146                     }
147
148                 })
149             {

```

```
150         @Override
151         protected Map<String,String> getParams(){
152             Map<String,String> params = new HashMap
153             <>();
154             params.put("id",idx);
155
156             return params;
157         }
158     };
159     ApplicationController.getInstance().addToRequestQueue(
160     stringReq);
161 }
162 @Override
163 public int getItemCount() {
164     return (listData != null)?listData.size() : 0;
165 }
166
167 public class TemanViewHolder extends RecyclerView.
168 ViewHolder {
169     private CardView cardku;
170     private TextView namaTxt,telponTxt;
171     public TemanViewHolder(View view) {
172         super(view);
173         cardku = (CardView) view.findViewById(R.id.
174         cardku);
175         namaTxt = (TextView) view.findViewById(R.id.
176         txtNama);
177         telponTxt = (TextView) view.findViewById(R.id
178         .txtTelpon);
179     }
180 }
```

3. Tampilan code untuk "Teman.java"

```
1 package com.tanjung.mysqlpro.database;
2
3 import java.io.Serializable;
4
5 public class Teman implements Serializable {
6     String id;
7     String nama;
8     String telpon;
9
10    public Teman() {
11    }
12
13    public Teman(String id, String nama, String telpon) {
14        this.id = id;
15        this.nama = nama;
16        this.telpon = telpon;
17    }
18
19    public String getId() {
20        return id;
21    }
22
23    public void setId(String id) {
24        this.id = id;
25    }
26
27    public String getNama() {
28        return nama;
29    }
30
31    public void setNama(String nama) {
32        this.nama = nama;
33    }
34
35    public String getTelpon() {
36        return telpon;
37    }
38
39    public void setTelpon(String telpon) {
40        this.telpon = telpon;
41    }
42 }
43
```

4. Tampilan code untuk "MainActivity.java"

```
1 package com.tanjung.mysqlpro;
2
3 import androidx.appcompat.app.AppCompatActivity;
4 import androidx.recyclerview.widget.LinearLayoutManager;
5 import androidx.recyclerview.widget.RecyclerView;
6
7 import android.content.Intent;
8 import android.os.Bundle;
9 import android.util.Log;
10 import android.view.View;
11 import android.widget.Toast;
12
13 import com.android.volley.RequestQueue;
14 import com.android.volley.Response;
15 import com.android.volley.VolleyError;
16 import com.android.volley.VolleyLog;
17 import com.android.volley.toolbox.JsonArrayRequest;
18 import com.android.volley.toolbox.Volley;
19 import com.google.android.material.floatingactionbutton.
    FloatingActionButton;
20 import com.tanjung.mysqlpro.adapter.TemanAdapter;
21 import com.tanjung.mysqlpro.database.Teman;
22
23 import org.json.JSONArray;
24 import org.json.JSONException;
25 import org.json.JSONObject;
26
27 import java.util.ArrayList;
28
29 import static android.content.ContentValues.TAG;
30
31 public class MainActivity extends AppCompatActivity {
32     private FloatingActionButton fab;
33     private RecyclerView recyclerView;
34     private TemanAdapter adapter;
35     private ArrayList<Teman> temanArrayList = new
    ArrayList<>() ;
36
37     private static final String TAG = MainActivity.class.
    getSimpleName();
38     private static String url_select      = "http://10.0.2.
    2/umyTI/bacateman.php";
39
40     public static final String TAG_ID      = "id";
41     public static final String TAG_NAMA    = "nama";
42     public static final String TAG_TELPON = "telpon";
```

```
43     @Override
44     protected void onCreate(Bundle savedInstanceState) {
45         super.onCreate(savedInstanceState);
46         setContentView(R.layout.activity_main);
47
48         recyclerView = findViewById(R.id.recyclerView);
49         fab = findViewById(R.id.floatingBtn);
50         BacaData();
51         adapter = new TemanAdapter(temanArrayList);
52         RecyclerView.LayoutManager layoutManager = new
LinearLayoutManager(MainActivity.this);
53         recyclerView.setLayoutManager(layoutManager);
54         recyclerView.setAdapter(adapter);
55
56         fab.setOnClickListener(new View.OnClickListener
    () {
57             @Override
58             public void onClick(View v) {
59                 Intent intent = new Intent(MainActivity.
this,TambahTeman.class);
60                 startActivity(intent);
61             }
62         });
63     }
64     public void BacaData(){
65         temanArrayList.clear();
66         RequestQueue requestQueue = Volley.
newRequestQueue(getApplicationContext());
67
68         JsonRequest jArr = new JsonRequest(
url_select,new Response.Listener<JSONArray>() {
69             @Override
70             public void onResponse(JSONArray response
    ) {
71                 Log.d(TAG, response.toString());
72
73                 // Parsing json
74                 for (int i = 0; i < response.length
    ()); i++) {
75                     try {
76                         JSONObject obj = response.
getJSONObject(i);
77
78                         Teman item = new Teman();
79
80                         item.setId(obj.getString(
```

```

80 TAG_ID));
81             item.setNama(obj.getString(
TAG_NAMA));
82             item.setTelpon(obj.getString(
TAG_TELPON));
83
84             // menambah item ke array
85             temanArrayList.add(item);
86         } catch (JSONException e) {
87             e.printStackTrace();
88         }
89     }
90     adapter.notifyDataSetChanged();
91 }
92 }, new Response.ErrorListener() {
93     @Override
94     public void onErrorResponse(VolleyError
error) {
95         VolleyLog.d(TAG, "Error: " + error.
getMessage());
96         error.printStackTrace();
97         Toast.makeText(MainActivity.this, "
gagal", Toast.LENGTH_SHORT).show();
98     }
99 });
100     requestQueue.add(jArr);
101 }
102 }

```

5. Tampilan code xml untuk "activity_main.xml"

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.constraintlayout.widget.ConstraintLayout xmlns:
  android="http://schemas.android.com/apk/res/android"
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent"
7   tools:context=".MainActivity">
8
9   <com.google.android.material.floatingactionbutton.
FloatingActionButton
10     android:id="@+id/floatingBtn"
11     android:layout_width="wrap_content"
12     android:layout_height="wrap_content"
13     android:clickable="true"
14     app:layout_constraintBottom_toBottomOf="parent"
15     app:layout_constraintEnd_toEndOf="parent"
16     app:layout_constraintHorizontal_bias="0.921"
17     app:layout_constraintStart_toStartOf="parent"
18     app:layout_constraintTop_toTopOf="parent"
19     app:layout_constraintVertical_bias="0.976"
20     app:srcCompat="@android:drawable/ic_input_add" />
21
22   <androidx.recyclerview.widget.RecyclerView
23     android:id="@+id/recyclerView"
24     android:layout_width="match_parent"
25     android:layout_height="match_parent"
26     app:layout_constraintBottom_toBottomOf="parent"
27     app:layout_constraintEnd_toEndOf="parent"
28     app:layout_constraintHorizontal_bias="0.0"
29     app:layout_constraintStart_toStartOf="parent"
30     app:layout_constraintTop_toTopOf="parent">
31
32   </androidx.recyclerview.widget.RecyclerView>
33 </androidx.constraintlayout.widget.ConstraintLayout>
```


6. Tampilan code xml untuk "row_data_tambah_teman.xml"

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.cardview.widget.CardView
3     xmlns:android="http://schemas.android.com/apk/res/
  android"
4     xmlns:card_view="http://schemas.android.com/apk/res-
  auto"
5     android:layout_width="match_parent"
6     android:layout_height="wrap_content"
7     android:id="@+id/cardku"
8     card_view:cardElevation="3dp"
9     card_view:cardCornerRadius="5dp"
10    card_view:cardUseCompatPadding="true">
11
12    <LinearLayout
13        android:layout_width="match_parent"
14        android:layout_height="match_parent"
15        android:orientation="vertical">
16
17        <TextView
18            android:id="@+id/txtNama"
19            android:layout_width="match_parent"
20            android:layout_height="wrap_content"
21            android:layout_marginLeft="10dp"
22            android:text="TextView" />
23
24        <TextView
25            android:id="@+id/txtTelpon"
26            android:layout_width="match_parent"
27            android:layout_height="wrap_content"
28            android:layout_marginLeft="10dp"
29            android:text="TextView" />
30    </LinearLayout>
31 </androidx.cardview.widget.CardView>
```

7. Tampilan code untuk "TambahTeman.java"

```
1 package com.tanjung.mysqlpro;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.content.Intent;
6 import android.os.Bundle;
7 import android.util.Log;
8 import android.view.View;
9 import android.widget.Button;
10 import android.widget.EditText;
11 import android.widget.Toast;
12
13 import com.android.volley.Request;
14 import com.android.volley.RequestQueue;
15 import com.android.volley.Response;
16 import com.android.volley.VolleyError;
17 import com.android.volley.toolbox.StringRequest;
18 import com.android.volley.toolbox.Volley;
19
20 import org.json.JSONException;
21 import org.json.JSONObject;
22
23 import java.util.HashMap;
24 import java.util.Map;
25
26 public class TambahTeman extends AppCompatActivity {
27     private EditText editNama,editTelpon;
28     private Button simpanBtn;
29     String nm,tlp;
30     int success;
31
32     private static String url_insert = "http://10.0.2.2/
33     umyTI/tambahtm.php";
34     private static final String TAG = TambahTeman.class.
35     getSimpleName();
36     private static final String TAG_SUCCES = "success";
37
38     @Override
39     protected void onCreate(Bundle savedInstanceState) {
40         super.onCreate(savedInstanceState);
41         setContentView(R.layout.activity_tambah_teman);
42
43         editNama = findViewById(R.id.edNama);
44         editTelpon = findViewById(R.id.edTelpon);
45         simpanBtn = findViewById(R.id.btnSimpan);
46     }
47 }
```

```

45         simpanBtn.setOnClickListener(new View.
onClickListener() {
46             @Override
47             public void onClick(View v) {
48                 SimpanData();
49                 Intent inten = new Intent(
getApplicationContext(), MainActivity.class);
50                 startActivity(inten);
51                 finish();
52             }
53         });
54     }
55
56     public void SimpanData()
57     {
58         if (editNama.getText().toString().equals("") ||
editTelpon.getText().toString().equals("")){
59             Toast.makeText(TambahTeman.this, "Semua harus
diisi data", Toast.LENGTH_SHORT).show();
60         }
61         else
62         {
63             nm = editNama.getText().toString();
64             tlp = editTelpon.getText().toString();
65
66             RequestQueue requestQueue = Volley.
newRequestQueue(getApplicationContext());
67
68             StringRequest strReq = new StringRequest(
Request.Method.POST, url_insert, new Response.Listener<
String>() {
69                 @Override
70                 public void onResponse(String response) {
71                     Log.d(TAG, "Response : "+response.
toString());
72
73                     try{
74                         JSONObject jsonObj = new JSONObject(
response);
75                         success = jsonObj.getInt(TAG_SUCCES);
76                         if (success == 1){
77                             Toast.makeText(TambahTeman.
this, "Sukses simpan data", Toast.LENGTH_SHORT).show();
78                         }else{
79                             Toast.makeText(TambahTeman.
this, "gagal", Toast.LENGTH_SHORT).show();

```

```
80         }
81         }catch(JSONException e){
82             e.printStackTrace();
83         }}
84     },new Response.ErrorListener(){
85         @Override
86         public void onErrorResponse(VolleyError
error){
87             Log.e(TAG,"Error : "+error.getMessage
());
88             Toast.makeText(TambahTeman.this,"
Gagal simpan data",Toast.LENGTH_SHORT).show();
89         }
90     }}{
91         @Override
92         protected Map<String,String> getParams(){
93             Map<String,String> params = new
HashMap<>();
94
95             params.put("nama",nm);
96             params.put("telpon",tlp);
97
98             return params;
99         }
100     };
101     };
102     requestQueue.add(strReq);
103 }
104 }
105 }
```

8. Tampilan code xml untuk "activity_tambah_teman.xml"

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.constraintlayout.widget.ConstraintLayout xmlns:
  android="http://schemas.android.com/apk/res/android"
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent"
7   tools:context=".TambahTeman">
8
9   <EditText
10      android:id="@+id/edNama"
11      android:layout_width="wrap_content"
12      android:layout_height="wrap_content"
13      android:layout_marginTop="112dp"
14      android:ems="10"
15      android:inputType="textPersonName"
16      android:hint="Nama"
17      app:layout_constraintEnd_toEndOf="parent"
18      app:layout_constraintHorizontal_bias="0.497"
19      app:layout_constraintStart_toStartOf="parent"
20      app:layout_constraintTop_toTopOf="parent" />
21
22   <EditText
23      android:id="@+id/edTelpon"
24      android:layout_width="wrap_content"
25      android:layout_height="wrap_content"
26      android:layout_marginTop="88dp"
27      android:ems="10"
28      android:hint="Telpon"
29      android:inputType="phone"
30      app:layout_constraintEnd_toEndOf="@+id/edNama"
31      app:layout_constraintHorizontal_bias="0.0"
32      app:layout_constraintStart_toStartOf="@+id/edNama"
33      app:layout_constraintTop_toBottomOf="@+id/edNama"
34   />
35
36   <Button
37      android:id="@+id/btnSimpan"
38      android:layout_width="wrap_content"
39      android:layout_height="wrap_content"
40      android:layout_marginBottom="152dp"
41      android:text="Simpan"
42      app:layout_constraintBottom_toBottomOf="parent"
43      app:layout_constraintEnd_toEndOf="@+id/edTelpon"
44      app:layout_constraintStart_toStartOf="@+id/
edTelpon"
45      app:layout_constraintTop_toBottomOf="@+id/edTelpon"
  " />
46 </androidx.constraintlayout.widget.ConstraintLayout>
```

9. Tampilan code untuk "EditTeman.java"

```
1 package com.tanjung.mysqlpro;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.content.Intent;
6 import android.os.Bundle;
7 import android.util.Log;
8 import android.view.View;
9 import android.widget.Button;
10 import android.widget.EditText;
11 import android.widget.TextView;
12 import android.widget.Toast;
13
14 import com.android.volley.Request;
15 import com.android.volley.RequestQueue;
16 import com.android.volley.Response;
17 import com.android.volley.VolleyError;
18 import com.android.volley.toolbox.StringRequest;
19 import com.android.volley.toolbox.Volley;
20
21 import org.json.JSONException;
22 import org.json.JSONObject;
23
24 import java.util.HashMap;
25 import java.util.Map;
26
27 public class EditTeman extends AppCompatActivity {
28     TextView idText;
29     EditText edNama, edTelpon;
30     Button editBtn;
31     String id, nm, tlp, namaEd, telponEd;
32     int sukses;
33
34     private static String url_update = "http://10.0.2.2/
35     umyTI/updatetm.php";
36     private static final String TAG = EditTeman.class.
37     getSimpleName();
38     private static final String TAG_SUCCES = "success";
39
40     @Override
41     protected void onCreate(Bundle savedInstanceState) {
42         super.onCreate(savedInstanceState);
43         setContentView(R.layout.activity_edit_teman);
44
45         idText = findViewById(R.id.textId);
46         edNama = findViewById(R.id.editNm);
```



```
83  gagal",Toast.LENGTH_SHORT).show();
84      }
85      }
86      catch (JSONException e)
87      {
88          e.printStackTrace();
89      }}
90      },new Response.ErrorListener(){
91          @Override
92          public void onErrorResponse(VolleyError error
93      ){
94          Log.e(TAG,"Error : "+error.getMessage());
95          Toast.makeText(EditTeman.this, "Gagal Edit
96          data",Toast.LENGTH_SHORT).show();
97          }
98      })
99      {
100      @Override
101      protected Map<String,String> getParams(){
102          Map<String,String> params = new HashMap
103      <>();
104      params.put("id",id);
105      params.put("nama",namaEd);
106      params.put("telpon",telponEd);
107      return params;
108      }
109      };
110      requestQueue.add(stringReq);
111      CallHomeActivity();
112  }
113  public void CallHomeActivity()
114  {
115      Intent inten = new Intent(getApplicationContext
116      (), MainActivity.class);
117      startActivity(inten);
118      finish();
119  }
```


10. Tampilan code untuk “activity_edit_teman.xml”

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.constraintlayout.widget.ConstraintLayout xmlns:
  android="http://schemas.android.com/apk/res/android"
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:layout_width="match_parent"
6   android:layout_height="match_parent"
7   tools:context=".EditTeman">
8
9   <TextView
10      android:id="@+id/textId"
11      android:layout_width="wrap_content"
12      android:layout_height="wrap_content"
13      android:text="TextView"
14      app:layout_constraintBottom_toBottomOf="parent"
15      app:layout_constraintEnd_toEndOf="parent"
16      app:layout_constraintHorizontal_bias="0.498"
17      app:layout_constraintStart_toStartOf="parent"
18      app:layout_constraintTop_toTopOf="parent"
19      app:layout_constraintVertical_bias="0.137" />
20
21   <EditText
22      android:id="@+id/editNm"
23      android:layout_width="wrap_content"
24      android:layout_height="wrap_content"
25      android:layout_marginTop="76dp"
26      android:ems="10"
27      android:hint="Nama"
28      android:inputType="textPersonName"
29      app:layout_constraintBottom_toBottomOf="parent"
30      app:layout_constraintEnd_toEndOf="parent"
31      app:layout_constraintHorizontal_bias="0.497"
32      app:layout_constraintStart_toStartOf="parent"
33      app:layout_constraintTop_toTopOf="parent"
34      app:layout_constraintVertical_bias="0.155" />
35
36   <EditText
37      android:id="@+id/editTlp"
38      android:layout_width="wrap_content"
39      android:layout_height="wrap_content"
40      android:ems="10"
41      android:hint="Telpon"
42      android:inputType="phone"
43      app:layout_constraintBottom_toBottomOf="parent"
44      app:layout_constraintEnd_toEndOf="parent"
45      app:layout_constraintHorizontal_bias="0.497"
```

```
46         app:layout_constraintStart_toStartOf="parent"
47         app:layout_constraintTop_toBottomOf="@+id/editNm"
48         app:layout_constraintVertical_bias="0.085" />
49
50     <Button
51         android:id="@+id/buttonEdit"
52         android:layout_width="wrap_content"
53         android:layout_height="wrap_content"
54         android:text="Update"
55         app:layout_constraintBottom_toBottomOf="parent"
56         app:layout_constraintEnd_toEndOf="parent"
57         app:layout_constraintStart_toStartOf="parent"
58         app:layout_constraintTop_toBottomOf="@+id/editTlp"
59         app:layout_constraintVertical_bias="0.499" />
60
61 </androidx.constraintlayout.widget.ConstraintLayout>
```

11. Tampilan code untuk “popup1.xml”

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <menu xmlns:android="http://schemas.android.com/apk/res/android">
3
4      <item
5          android:id="@+id/edit"
6          android:title="edit" />
7      <item
8          android:id="@+id/hapus"
9          android:title="Hapus" />
10 </menu>
```

12. Tampilan code xml untuk “AndroidManifest.xml”

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <manifest xmlns:android="http://schemas.android.com/apk/res/android"
3      package="com.tanjung.mysqlpro">
4
5      <uses-permission android:name="android.permission.INTERNET" />
6
7      <application
8          android:name=".app.AppController"
9          android:allowBackup="true"
10         android:icon="@mipmap/ic_launcher"
11         android:label="MySQLpro"
12         android:roundIcon="@mipmap/ic_launcher_round"
13         android:supportsRtl="true"
14         android:theme="@style/Theme.MySQLpro"
15         android:usesCleartextTraffic="true">
16          <activity android:name=".EditTeman"></activity>
17          <activity android:name=".TambahTeman" />
18          <activity android:name=".MainActivity">
19              <intent-filter>
20                  <action android:name="android.intent.action.MAIN" />
21
22                  <category android:name="android.intent.category.LAUNCHER" />
23              </intent-filter>
24          </activity>
25      </application>
26
27 </manifest>
```