WORKSHOP APLIKASI MOBILE

LAPORAN MINGGU KE- 12

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PROGRAM STUDI TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

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1. Storyboard

Dompet dan Riwayat Top Up,

- Pada minggu ini kelompok kami membuat fitur dompet dan juga tampilan
  Riwayat top up, Fitur dompet berisikan tentang isi dari dompet dan juga Riwayat
  top up dan juga proses top up

2. Source Code

Activity_dompet.xml

```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"
    tools:context=".DompetActivity">

    <androidx.constraintlayout.widget.ConstraintLayout
        android:id="@+id/constraintLayout7"
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:layout_alignParentTop="true"
        android:layout_marginTop="0dp"
        android:background="@drawable/duwuran_e_dompet"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <TextView
            android:id="@+id/textView13"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="30dp"
            android:layout_marginTop="30dp"
            android:text="Saldo Anda Sekarang"
            android:textColor="#fff"
            android:textSize="20sp"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />
```

```xml
    <TextView
        android:id="@+id/finansial"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="30dp"
        android:layout_marginTop="20dp"
        android:text="Finansial"
        android:textColor="#fff"
        android:textSize="25sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView13" />

    <Button
        android:id="@+id/btn_isi"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:layout_marginEnd="16dp"
        android:background="@drawable/btn_isi_saldo"
        android:text="Isi Saldo"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/finansial" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```xml
        <ScrollView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_below="@+id/constraintLayout7">

            <androidx.constraintlayout.widget.ConstraintLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content">

                <androidx.constraintlayout.widget.ConstraintLayout
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    app:layout_constraintEnd_toEndOf="parent"
                    app:layout_constraintStart_toStartOf="parent"
                    app:layout_constraintTop_toTopOf="parent">

                    <androidx.recyclerview.widget.RecyclerView
                        android:id="@+id/rv_riwayatTopup"
                        android:layout_width="match_parent"
                        android:layout_height="wrap_content"
                        android:layout_marginTop="8dp"
                        app:layout_constraintEnd_toEndOf="parent"
                        app:layout_constraintStart_toStartOf="parent"
                        app:layout_constraintTop_toTopOf="parent" />

                </androidx.constraintlayout.widget.ConstraintLayout>

            </androidx.constraintlayout.widget.ConstraintLayout>
        </ScrollView>
    </RelativeLayout>
```

Keterangan : Digunakan untuk mengatur layout dompet dan dan list Riwayat top up

Activity_topup.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout 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:background="#dae8e2"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".TopupActivity">

    <TextView
        android:id="@+id/textView21"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
        android:text="Silahkan Pilih Saldo Top Up"
        android:textColor="#030303"
        android:textSize="25sp"
        android:gravity="center"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/uang_e"
        android:layout_width="200dp"
        android:layout_height="50dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        android:layout_marginTop="80dp"
        android:background="@drawable/border2"
        android:hint="Besar Jumlah Top up"
        android:textColor="#030303"
        android:textSize="15dp"
        android:textAlignment="center"
        android:enabled="false"
        app:layout_constraintTop_toBottomOf="@+id/rp200" />

    <TextView
        android:id="@+id/rp50"
        android:layout_width="100dp"
        android:layout_height="40dp"
        android:layout_marginStart="56dp"
        android:layout_marginTop="100dp"
        android:textSize="20dp"
        android:textStyle="bold"
        android:gravity="center"
        android:background="@drawable/border"
        android:text="50.000"
        android:textAlignment="center"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView21" />
```

```xml
<TextView
    android:id="@+id/rp100"
    android:layout_width="100dp"
    android:layout_height="40dp"
    android:layout_marginStart="16dp"
    android:layout_marginTop="100dp"
    android:background="@drawable/border"
    android:textStyle="bold"
    android:gravity="center"
    android:textSize="20dp"
    android:text="100.000"
    android:textAlignment="center"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@+id/rp50"
    app:layout_constraintTop_toBottomOf="@+id/textView21" />

<TextView
    android:id="@+id/rp150"
    android:layout_width="100dp"
    android:layout_height="40dp"
    android:layout_marginStart="60dp"
    android:layout_marginTop="48dp"
    android:textStyle="bold"
    android:gravity="center"
    android:background="@drawable/border"
    android:text="150.000"
    android:textSize="20dp"
    android:textAlignment="center"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/rp50" />
```

```xml
    <TextView
        android:id="@+id/rp200"
        android:layout_width="100dp"
        android:layout_height="40dp"
        android:layout_marginStart="16dp"
        android:layout_marginTop="50dp"
        android:textStyle="bold"
        android:gravity="center"
        android:background="@drawable/border"
        android:text="200.000"
        android:textSize="20dp"
        android:textAlignment="center"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toEndOf="@+id/rp150"
        app:layout_constraintTop_toBottomOf="@+id/rp100" />
    <Button
        android:id="@+id/btn_isisaldo"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@drawable/btn_lanjut"
        android:gravity="center"
        android:text="Lanjutkan Top up"
        android:layout_marginBottom="8dp"
        android:layout_marginStart="8dp"
        android:layout_marginEnd="8dp"
        android:textAlignment="center"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Keterangan : Digunakan untuk mengatur layout top up untuk memilih saldo top up

Activity_upload_topup.xml

```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"
    tools:context=".UploadFotoActivity"
    android:background="#dae8e2">

    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_above="@+id/btn_upload">

        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent">

            <TextView
                android:id="@+id/textView14"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginStart="8dp"
                android:layout_marginTop="8dp"
                android:text="Detail Transaksi Top Up"
                android:textSize="25sp"
                android:textColor="#030303"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toTopOf="parent" />


            <TextView
                android:id="@+id/textView15"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginStart="8dp"
                android:layout_marginTop="16dp"
                android:text="Nama"
                android:textColor="#030303"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toBottomOf="@+id/textView14" />

            <TextView
                android:id="@+id/nama"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginStart="72dp"
                android:layout_marginTop="16dp"
                android:textStyle="bold"
                android:text="Nama e"
                app:layout_constraintStart_toEndOf="@id/textView15"
                app:layout_constraintTop_toBottomOf="@+id/textView14" />
```

```xml
        <TextView
            android:id="@+id/textView16"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="8dp"
            android:layout_marginTop="8dp"
            android:text="Tanggal"
            android:textColor="#030303"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/textView15" />

        <TextView
            android:id="@+id/tanggal"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="60dp"
            android:layout_marginTop="8dp"
            android:text="Tanggal e"
            android:textStyle="bold"
            app:layout_constraintStart_toEndOf="@+id/textView16"
            app:layout_constraintTop_toBottomOf="@+id/nama" />

        <TextView
            android:id="@+id/textView17"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="8dp"
            android:layout_marginTop="8dp"
            android:text="Jumlah Top Up"
            android:textColor="#030303"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/textView16" />

        <TextView
            android:id="@+id/jumlah_topup"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="16dp"
            android:layout_marginTop="8dp"
            android:text="Jumlah e"
            android:textStyle="bold"
            app:layout_constraintStart_toEndOf="@+id/textView17"
            app:layout_constraintTop_toBottomOf="@+id/tanggal" />
```

```
97          <ImageView
98              android:id="@+id/img_foto"
99              android:layout_width="100dp"
100             android:layout_height="100dp"
101             android:layout_marginStart="8dp"
102             android:layout_marginTop="30dp"
103             android:src="@drawable/imageno"
104             app:layout_constraintStart_toStartOf="parent"
105             app:layout_constraintTop_toBottomOf="@+id/textView17" />
106
107         <TextView
108             android:id="@+id/textView19"
109             android:layout_width="wrap_content"
110             android:layout_height="wrap_content"
111             android:layout_marginStart="8dp"
112             android:layout_marginTop="30dp"
113             android:text="Upload Bukti Transfer "
114             android:textColor="#030303"
115             app:layout_constraintStart_toEndOf="@+id/img_foto"
116             app:layout_constraintTop_toBottomOf="@+id/jumlah_topup" />
117
118         <Button
119             android:id="@+id/btn_choose"
120             android:layout_width="150dp"
121             android:layout_height="wrap_content"
122             android:layout_marginStart="8dp"
123             android:text="Pilih Foto"
124             app:layout_constraintStart_toEndOf="@+id/img_foto"
125             app:layout_constraintTop_toBottomOf="@+id/textView19"
126             android:layout_marginTop="8dp"/>
127     </androidx.constraintlayout.widget.ConstraintLayout>
128     </ScrollView>
129     <Button
130         android:id="@+id/btn_upload"
131         android:layout_width="match_parent"
132         android:layout_height="wrap_content"
133         android:layout_marginLeft="8dp"
134         android:layout_marginRight="8dp"
135         android:layout_marginBottom="8dp"
136         android:text="Lanjutkan Pembayaran"
137         android:background="@drawable/btn_lanjut"
138         android:layout_marginTop="20dp"
139         android:layout_alignParentBottom="true" />
140 </RelativeLayout>
```

Keterangan : Digunakan untuk mengatur layout untuk upload bukti transfer

VolleyMultipartRequest.java

```java
package com.example.donasiyatim;

import ...

public class VolleyMultipartRequest extends Request<NetworkResponse> {
    private final String twoHyphens = "--";
    private final String lineEnd = "\r\n";
    private final String boundary = "apiclient-" + System.currentTimeMillis();

    private Response.Listener<NetworkResponse> mListener;
    private Response.ErrorListener mErrorListener;
    private Map<String, String> mHeaders;

    public VolleyMultipartRequest(int method, String url,Response.Listener<NetworkResponse> listener, Response.ErrorListener errorListener) {
        super(method, url, errorListener);
        this.mListener = listener;
        this.mErrorListener = errorListener;
    }

    @Override
    public Map<String, String> getHeaders() throws AuthFailureError {
        return (mHeaders != null ) ? mHeaders : super.getHeaders();
    }

    @Override
    public String getBodyContentType() {
        return "multipart/form-data;boundary="+boundary;
    }
```

```java
    public byte[] getBody() throws AuthFailureError {
        ByteArrayOutputStream byteArrayOutputStream = new ByteArrayOutputStream();
        DataOutputStream dataOutputStream = new DataOutputStream(byteArrayOutputStream);
        try {
            // populate text payload
            Map<String, String> params = getParams();
            if (params != null && params.size() > 0) {
                textParse(dataOutputStream, params, getParamsEncoding());
            }

            // populate data byte payload
            Map<String, DataPart> data = getByteData();
            if (data != null && data.size() > 0) {
                dataParse(dataOutputStream, data);
            }

            // close multipart form data after text and file data
            dataOutputStream.writeBytes( twoHyphens + boundary + twoHyphens + lineEnd);

            return byteArrayOutputStream.toByteArray();
        } catch (IOException e) {
            e.printStackTrace();
        }
        return null;
    }
    /**
     * Custom method handle data payload.
     *
     * @return Map data part label with data byte
     * @throws AuthFailureError
     */
```

```java
    protected Map<String, DataPart> getByteData() throws AuthFailureError {
        return null;
    }

    @Override
    protected Response<NetworkResponse> parseNetworkResponse(NetworkResponse response) {
        try {
            return Response.success(
                    response,
                    HttpHeaderParser.parseCacheHeaders(response));
        } catch (Exception e) {
            return Response.error(new ParseError(e));
        }
    }

    @Override
    protected void deliverResponse(NetworkResponse response) {
        mListener.onResponse(response);
    }

    @Override
    public void deliverError(VolleyError error) {
        mErrorListener.onErrorResponse(error);
    }
```

```java
    public void deliverError(VolleyError error) {
        mErrorListener.onErrorResponse(error);
    }

    /**
     * Parse string map into data output stream by key and value.
     *
     * @param dataOutputStream data output stream handle string parsing
     * @param params           string inputs collection
     * @param encoding         encode the inputs, default UTF-8
     * @throws IOException
     */
    private void textParse(DataOutputStream dataOutputStream, Map<String, String> params, String encoding) throws IOExcepti
        try {
            for (Map.Entry<String, String> entry : params.entrySet()) {
                buildTextPart(dataOutputStream, entry.getKey(), entry.getValue());
            }
        } catch (UnsupportedEncodingException uee) {
            throw new RuntimeException("Encoding not supported: " + encoding, uee);
        }
    }

    /**
     * Parse data into data output stream.
     *
     * @param dataOutputStream data output stream handle file attachment
     * @param data             loop through data
     * @throws IOException
     */
```

```java
125 @       private void dataParse(DataOutputStream dataOutputStream, Map<String, DataPart> data) throws IOException {
126             for (Map.Entry<String, DataPart> entry : data.entrySet()) {
127                 buildDataPart(dataOutputStream, entry.getValue(), entry.getKey());
128             }
129         }
130
131         /**
132          * Write string data into header and data output stream.
133          *
134          * @param dataOutputStream data output stream handle string parsing
135          * @param parameterName     name of input
136          * @param parameterValue    value of input
137          * @throws IOException
138          */
139 @       private void buildTextPart(DataOutputStream dataOutputStream, String parameterName, String parameterValue) throws IOExceptio
140             dataOutputStream.writeBytes( s: twoHyphens + boundary + lineEnd);
141             dataOutputStream.writeBytes( s: "Content-Disposition: form-data; name=\"" + parameterName + "\"" + lineEnd);
142             dataOutputStream.writeBytes(lineEnd);
143             dataOutputStream.writeBytes( s: parameterValue + lineEnd);
144         }
145
146         /**
147          * Write data file into header and data output stream.
148          *
149          * @param dataOutputStream data output stream handle data parsing
150          * @param dataFile          data byte as DataPart from collection
151          * @param inputName         name of data input
152          * @throws IOException
153          */
154 @       private void buildDataPart(DataOutputStream dataOutputStream, DataPart dataFile, String inputName) throws IOException
155             dataOutputStream.writeBytes( s: twoHyphens + boundary + lineEnd);
156             dataOutputStream.writeBytes( s: "Content-Disposition: form-data; name=\"" +
157                     inputName + "\"; filename=\"" + dataFile.getFileName() + "\"" + lineEnd);
158             if (dataFile.getType() != null && !dataFile.getType().trim().isEmpty()) {
159                 dataOutputStream.writeBytes( s: "Content-Type: " + dataFile.getType() + lineEnd);
160             }
161             dataOutputStream.writeBytes(lineEnd);
162
163             ByteArrayInputStream fileInputStream = new ByteArrayInputStream(dataFile.getContent());
164             int bytesAvailable = fileInputStream.available();
165
166             int maxBufferSize = 1024 * 1024;
167             int bufferSize = Math.min(bytesAvailable, maxBufferSize);
168             byte[] buffer = new byte[bufferSize];
169
170             int bytesRead = fileInputStream.read(buffer, off: 0, bufferSize);
171
172             while (bytesRead > 0) {
173                 dataOutputStream.write(buffer, off: 0, bufferSize);
174                 bytesAvailable = fileInputStream.available();
175                 bufferSize = Math.min(bytesAvailable, maxBufferSize);
176                 bytesRead = fileInputStream.read(buffer, off: 0, bufferSize);
177             }
178
179             dataOutputStream.writeBytes(lineEnd);
180         }
181
```

```
182          public class DataPart {
183              private String fileName;
184              private byte[] content;
185              private String type;
186
187  @           public DataPart() {
188              }
189
190  @           public DataPart(String name, byte[] data) {
191                  fileName = name;
192                  content = data;
193              }
194
195              String getFileName() { return fileName; }
198
199              byte[] getContent() { return content; }
202
203              String getType() { return type; }
206
207          }
208      }
209
```

Keterangan : Digunakan untuk mengatur multipart dari foto yang akan di upload

DompetActivity.java

```
1       package com.example.donasiyatim;
2
3       import ...
30
31      public class DompetActivity extends AppCompatActivity {
32
33          TextView saldo;
34          List<ModelDataRiwayatTopup> modelDataRiwayatTopup;
35          ListAdapterRiwayatTopup listAdapterRiwayatTopup;
36          RecyclerView rv_riwayat;
37          Button isi_saldo;
38          String id_user,id_regis,nama;
39          @Override
40          protected void onCreate(Bundle savedInstanceState) {
41              super.onCreate(savedInstanceState);
42              setContentView(R.layout.activity_dompet);
43
44              saldo = findViewById(R.id.finansial);
45              rv_riwayat = findViewById(R.id.rv_riwayatTopup);
46              isi_saldo = findViewById(R.id.btn_isi);
47              id_regis = getIntent().getStringExtra( name: "id_regis");
48
49              loaddetail();
50              retrieveJSONRiwayatTopup();
51
```

```java
        isi_saldo.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent intent = new Intent( packageContext: DompetActivity.this, TopupActivity.class);
                intent.putExtra( name: "id_user",id_user);
                intent.putExtra( name: "id_regis",id_regis);
                intent.putExtra( name: "nama_user",nama);
                startActivity(intent);
            }
        });

    }

    private void loaddetail()//ini buat nampilin saldo
    {
        StringRequest senddata = new StringRequest(Request.Method.GET, url: ServerApi.IPServer + "data_user/index_get?id_registrasi="+id_regis,
                new Response.Listener<String>(){
            @Override
            public void onResponse(String response) {
                JSONObject res = null;
                try {
                    res = new JSONObject(response);
                    Log.e( tag: "responnya ", msg: ""+response);
                    JSONArray arr = res.getJSONArray( name: "data");
                    JSONObject arr1 = arr.getJSONObject( index: 0);
                    saldo.setText(Util.setformatrupiah(arr1.getString( name: "finansial")));
                    id_user = arr1.getString( name: "id_user");
                    nama = arr1.getString( name: "nama_user");
                } catch (JSONException e) {
                    e.printStackTrace();
                    Log.e( tag: "errornya ", msg: ""+e);
                }
            }
        },
                new Response.ErrorListener() {
                    @Override
                    public void onErrorResponse(VolleyError error) {
                        Log.d( tag: "volley", msg: "errornya : " + error.getMessage());
                    }
                }) {

        };

        RequestQueue requestQueue = Volley.newRequestQueue( context: this);
        requestQueue.add(senddata);
    }

    private void retrieveJSONRiwayatTopup()
    {
        StringRequest stringRequest  = new StringRequest(Request.Method.GET, url: ServerApi.IPServer + "Riwayat_topup/index_get?id_user="+getI
                (responseRiwayat) → {
                        Log.d( tag: "rrrrrrr", msg: ">>" + responseRiwayat);
                        try {
                            JSONObject obj  = new JSONObject(responseRiwayat);

                            modelDataRiwayatTopup = new ArrayList<>();
                            JSONArray data = obj.getJSONArray( name: "data");
                            for (int i = 0; i < data.length(); i++)
                            {
                                ModelDataRiwayatTopup playerModel = new ModelDataRiwayatTopup();
                                JSONObject dataobj = data.getJSONObject(i);
                                playerModel.setJumlah_uang("+ "+Util.setformatrupiah(dataobj.getString( name: "jumlah_inginkan")));
                                playerModel.setTanggal_topup(Util.settanggal(dataobj.getString( name: "tanggal")));

                                modelDataRiwayatTopup.add(playerModel);
                            }
                            setupListRiwayatTopup();

                        }
                        catch (JSONException e)
                        {
                            e.printStackTrace();
                        }
                },
```

```
127                     (error) → {
131                         Log.d( tag: "volley",  msg: "errornya : " + error.getMessage());
132                     });
134
135             RequestQueue requestQueue = Volley.newRequestQueue( context: this);
136             requestQueue.add(stringRequest);
137         }
138
139         private void setupListRiwayatTopup()
140         {
141             listAdapterRiwayatTopup = new ListAdapterRiwayatTopup( context: this, modelDataRiwayatTopup);
142             RecyclerView.LayoutManager layoutManager = new LinearLayoutManager( context: this);
143             rv_riwayat.setLayoutManager(layoutManager);
144             rv_riwayat.setAdapter(listAdapterRiwayatTopup);
145         }
146
147     }
148
```

Keterangan : Digunakan untuk get data finansial user dari api dan memunculkan Riwayat top up dari user dan get data dari api , di tambahkan ke recycler view

ListAdapterRiwayatTopup.java

```
1    package com.example.donasiyatim;
2
3    import ...
19
20   public class ListAdapterRiwayatTopup extends RecyclerView.Adapter<ListAdapterRiwayatTopup.HolderDataRiwayatTopup> {
21       private List<ModelDataRiwayatTopup> mItems;
22       private Context context;
23
24       public ListAdapterRiwayatTopup(Context context, List<ModelDataRiwayatTopup> modelDataRiwayatTopup)
25       {
26           this.context = context;
27           this.mItems = modelDataRiwayatTopup;
28       }
29       @NonNull
30       @Override
31       public HolderDataRiwayatTopup onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
32           View layout = LayoutInflater.from(parent.getContext()).inflate(R.layout.list_item_topup, parent,  attachToRoot: false);
33           ListAdapterRiwayatTopup.HolderDataRiwayatTopup holderDataRiwayatTopup = new ListAdapterRiwayatTopup.HolderDataRiwayatTopup(layout);
34           return holderDataRiwayatTopup;
35       }
36
37       @Override
38       public void onBindViewHolder(@NonNull final HolderDataRiwayatTopup holder, int position) {
39           ModelDataRiwayatTopup me = mItems.get(position);
40           holder.uang.setText(me.getJumlah_uang());
41           holder.tanggal.setText(me.getTanggal_topup());
42       }
43
```

```
37          @Override
38 ●↑ ⊟     public void onBindViewHolder(@NonNull final HolderDataRiwayatTopup holder, int position) {
39              ModelDataRiwayatTopup me = mItems.get(position);
40              holder.uang.setText(me.getJumlah_uang());
41              holder.tanggal.setText(me.getTanggal_topup());
42          }
43
44          @Override
45 ●↑ ⊞     public int getItemCount() { return mItems.size(); }
48
49      ⊟  public class HolderDataRiwayatTopup extends RecyclerView.ViewHolder {
50              TextView uang,tanggal;
51      ⊟      public HolderDataRiwayatTopup(@NonNull View itemView) {
52                  super(itemView);
53                  uang = itemView.findViewById(R.id.tv_uang);
54                  tanggal = itemView.findViewById(R.id.tv_tanggal);
55
56          }
57      }
58  }
59
```

Keterangan : Digunakan untuk mengatur recycler view Riwayat top up

ModelDataRiwayatTopup.java

```
1       package com.example.donasiyatim;
2
3       public class ModelDataRiwayatTopup {
4           private String jumlah_uang;
5           private String tanggal_topup;
6
7           public String getTanggal_topup() {
8               return tanggal_topup;
9           }
10
11          public void setTanggal_topup(String tanggal_topup) {
12              this.tanggal_topup = tanggal_topup;
13          }
14
15          public String getJumlah_uang() {
16              return jumlah_uang;
17          }
18
19          public void setJumlah_uang(String jumlah_uang) {
20              this.jumlah_uang = jumlah_uang;
21          }
22      }
23
```

Keterangan : Digunakan untuk mengatur getter dan setter dari Riwayat top up

TopupActivity.java

```java
package com.example.donasiyatim;

import ...

public class TopupActivity extends AppCompatActivity {
    TextView rp50, rp100, rp150, rp200;
    EditText isi;
    Button btn;
    String id_user, nama;

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

        id_user = getIntent().getStringExtra( name: "id_user");
        nama = getIntent().getStringExtra( name: "nama_user");

        rp50 = findViewById(R.id.rp50);
        rp100 = findViewById(R.id.rp100);
        rp150 = findViewById(R.id.rp150);
        rp200 = findViewById(R.id.rp200);
        isi = findViewById(R.id.uang_e);
        btn = findViewById(R.id.btn_isisaldo);

        rp50.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                isi.setText("50000");
            }
        });

        rp100.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                isi.setText("100000");
            }
        });
        rp150.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                isi.setText("150000");
            }
        });
        rp200.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                isi.setText("200000");
            }
        });
```

```java
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                if (isi.getText().toString().equals(""))
                {
                    Toast.makeText( context: TopupActivity.this, text: "Silahkan Pilih Jumlah Top Up", Toast.LENGTH_SHORT).show();
                }
                else {
//                  loaddetail();
                    Intent intent = new Intent( packageContext: TopupActivity.this, UploadFotoActivity.class);
                    intent.putExtra( name: "jumlah_inginkan", isi.getText().toString());
                    Log.e( tag: "uang", msg: "" + intent.putExtra( name: "jumlah_inginkan", isi.getText().toString()));
                    intent.putExtra( name: "id_user", id_user);
                    intent.putExtra( name: "nama_user", nama);
                    startActivity(intent);
                }
            }
        });
    }
}
```

Keterangan : Digunakan untuk mengatur textview Ketika di click di layout pilih jumlah top up dan intent ke activity selanjutnya

UploadFotoActivity.java

```java
package com.example.donasiyatim;

import ...

public class UploadFotoActivity extends AppCompatActivity {
    ImageView img_foto;
    Button pilih, upload;
    TextView nama, jumlah, tanggal;
    public static final int REQUEST_CODE_CAMERA = 001;
    public static final int REQUEST_CODE_GALLERY = 002;
    String id_user, jumlah_inginkan, nama_user;
    Bitmap bitmap;

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

        img_foto = findViewById(R.id.img_foto);
        pilih = findViewById(R.id.btn_choose);
        upload = findViewById(R.id.btn_upload);
        nama = findViewById(R.id.nama);
        jumlah = findViewById(R.id.jumlah_topup);
        tanggal = findViewById(R.id.tanggal);

        nama_user = getIntent().getStringExtra( name: "nama_user");
```

```java
                SimpleDateFormat sdf = new SimpleDateFormat( pattern: "dd.MM.YYYY 'at' HH:mm:ss");
                String currentDateandTime = sdf.format(new Date());


                tanggal.setText(currentDateandTime);


                id_user = getIntent().getStringExtra( name: "id_user");
                jumlah_inginkan = getIntent().getStringExtra( name: "jumlah_inginkan");


                Log.e( tag: "saldo",  msg: ""+id_user);
                Log.e( tag: "saldo",  msg: ""+nama_user);
                Log.e( tag: "saldo",  msg: ""+jumlah_inginkan);


                pilih.setOnClickListener(new View.OnClickListener() {
                    @Override
                    public void onClick(View view) {
                        setRequestImage();
                    }
                });

                upload.setOnClickListener(new View.OnClickListener() {
                    @Override
                    public void onClick(View view) {
                        loaddetail();
                    }
                });

                jumlah.setText(Util.setformatrupiah(jumlah_inginkan));
                nama.setText(nama_user);
    }

    private void setRequestImage(){
        CharSequence[] item = {"Kamera", "Galeri"};
        AlertDialog.Builder request = new AlertDialog.Builder( context: this)
                .setTitle("Add Image")
                .setItems(item, (dialogInterface, i) → {
                        switch (i){
                            case 0:
                                //Membuka Kamera Untuk Mengambil Gambar
                                EasyImage.openCamera( activity: UploadFotoActivity.this, REQUEST_CODE_CAMERA);
                                break;
                            case 1:
                                //Membuaka Galeri Untuk Mengambil Gambar
                                EasyImage.openGallery( activity: UploadFotoActivity.this, REQUEST_CODE_GALLERY);
                                break;
                        }
                });
        request.create();
        request.show();
    }


    @Override
    public void onRequestPermissionsResult(int requestCode, @NonNull String[] permissions, @NonNull int[] grantResults) {
        if (requestCode == REQUEST_CODE_GALLERY)
        {
            if (grantResults.length > 0 && grantResults[0] == PackageManager.PERMISSION_GRANTED)
            {
                Intent intent = new Intent(Intent.ACTION_PICK);
                intent.setType("image/*");
                startActivityForResult(Intent.createChooser(intent, title: "select image"), REQUEST_CODE_GALLERY);
            }
            else
            {
                Toast.makeText(getApplicationContext(), text: "you don't have permission", Toast.LENGTH_LONG).show();
            }
            return;
        }

        super.onRequestPermissionsResult(requestCode, permissions, grantResults);
    }
```

```java
            @Override
            protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {

                super.onActivityResult(requestCode, resultCode, data);
                EasyImage.handleActivityResult(requestCode, resultCode, data, activity: this, new EasyImage.Callbacks() {

                    @Override
                    public void onImagePickerError(Exception e, EasyImage.ImageSource source, int type) {
                        //Method Ini Digunakan Untuk Menghandle Error pada Image
                    }

                    @Override
                    public void onImagePicked(File imageFile, EasyImage.ImageSource source, int type) {
                        //Method Ini Digunakan Untuk Menghandle Image
                        switch (type){
                            case REQUEST_CODE_CAMERA:
                                Glide.with( activity: UploadFotoActivity.this) RequestManager
                                        .load(imageFile) DrawableTypeRequest<File>
                                        .centerCrop() DrawableRequestBuilder<File>
                                        .diskCacheStrategy(DiskCacheStrategy.ALL) DrawableRequestBuilder<File>
                                        .into(img_foto);
                                bitmap = BitmapFactory.decodeFile(imageFile.getPath());
                                Log.e( tag: "asd", msg: ""+bitmap);
                                break;

                            case REQUEST_CODE_GALLERY:
                                Glide.with( activity: UploadFotoActivity.this) RequestManager
                                        .load(imageFile) DrawableTypeRequest<File>
                                        .centerCrop() DrawableRequestBuilder<File>
                                        .diskCacheStrategy(DiskCacheStrategy.ALL) DrawableRequestBuilder<File>
                                        .into(img_foto);
                                bitmap = BitmapFactory.decodeFile(imageFile.getPath());
                                break;
                        }
                    }

                    @Override
                    public void onCanceled(EasyImage.ImageSource source, int type) {
                        //Batalkan penanganan, Anda mungkin ingin menghapus foto yang diambil jika dibatalkan
                    }
                });
            }


    private void loaddetail()//ini buat nampilin saldo
    {
        final VolleyMultipartRequest volleyMultipartRequest = new VolleyMultipartRequest(Request.Method.POST, url: ServerApi.IPServer + "top
                @Override
                public void onResponse(NetworkResponse response) {
                    Log.e( tag: "asd", msg: ""+response);
                    try {
                        Log.e( tag: "asd", msg: ""+response);
                        Toast.makeText( context: UploadFotoActivity.this, text: "Upload Bukti Berhasil ", Toast.LENGTH_SHORT).show();
                        Intent intent = new Intent( packageContext: UploadFotoActivity.this, MainActivity.class);
                        startActivity(intent);

                    } catch (Exception e) {
                        Toast.makeText( context: UploadFotoActivity.this, text: "Upload Bukti Gagal ", Toast.LENGTH_SHORT).show();
                        e.printStackTrace();
                    }
                }
            },
            new Response.ErrorListener() {
                @Override
                public void onErrorResponse(VolleyError error) {
                    Log.d( tag: "volley", msg: "errornya : " + error.getMessage());
                }
            }) {
            protected Map<String, String> getParams() throws AuthFailureError {
                Map<String , String> params = new HashMap<>();
                params.put( k: "id_user" , id_user);
                params.put( k: "jumlah_inginkan" , jumlah_inginkan);
                return params;
            }
```

```java
                @Override
                protected Map<String, DataPart> getByteData() throws AuthFailureError {
                    Map<String, DataPart> params = new HashMap<>();
                    long imagename = System.currentTimeMillis();
                        params.put( k: "foto", new DataPart( name: imagename + ".png", getFileDataFromDrawable(bitmap)));
                    Log.e( tag: "asd", msg: ""+imagename);
                    return params;
                }
            };
            Volley.newRequestQueue( context: this).add(volleyMultipartRequest);
        }

    private void requestMultiplePermissions(){
        Dexter.withActivity(this) Permission
                .withPermissions(
                        Manifest.permission.CAMERA,
                        Manifest.permission.WRITE_EXTERNAL_STORAGE,
                        Manifest.permission.READ_EXTERNAL_STORAGE) MultiPermissionListener
                .withListener(new MultiplePermissionsListener() {
                    @Override
                    public void onPermissionsChecked(MultiplePermissionsReport report) {
                        // check if all permissions are granted
                        if (report.areAllPermissionsGranted()) {
                            Toast.makeText(getApplicationContext(), "All permissions are granted by user!", Toast.LENGTH_SHORT).show()
                        }

                        // check for permanent denial of any permission
                        if (report.isAnyPermissionPermanentlyDenied()) {
                            // show alert dialog navigating to Settings
                            //openSettingsDialog();
                        }
                    }

                    @Override
                    public void onPermissionRationaleShouldBeShown(List<PermissionRequest> permissions, PermissionToken token) {
                        token.continuePermissionRequest();
                    }
                }).

                withErrorListener((error) -> {
                        Toast.makeText(getApplicationContext(),  text: "Some Error! ", Toast.LENGTH_SHORT).show();
                }) DexterBuilder
                .onSameThread() DexterBuilder
                .check();
    }




    public byte[] getFileDataFromDrawable(Bitmap bitmap) {
        ByteArrayOutputStream byteArrayOutputStream = new ByteArrayOutputStream();
        bitmap.compress(Bitmap.CompressFormat.PNG,  quality: 80, byteArrayOutputStream);
        return byteArrayOutputStream.toByteArray();
    }
}
```
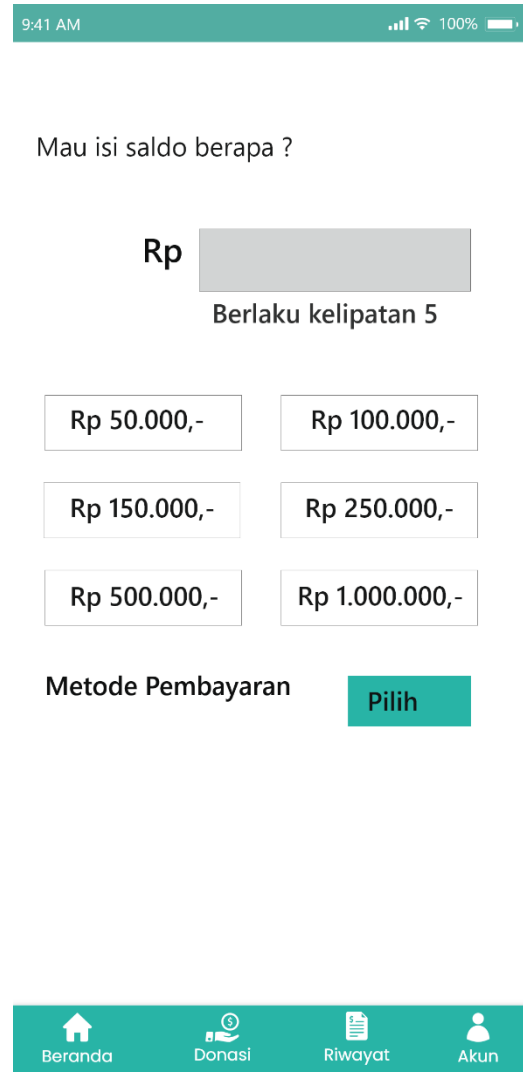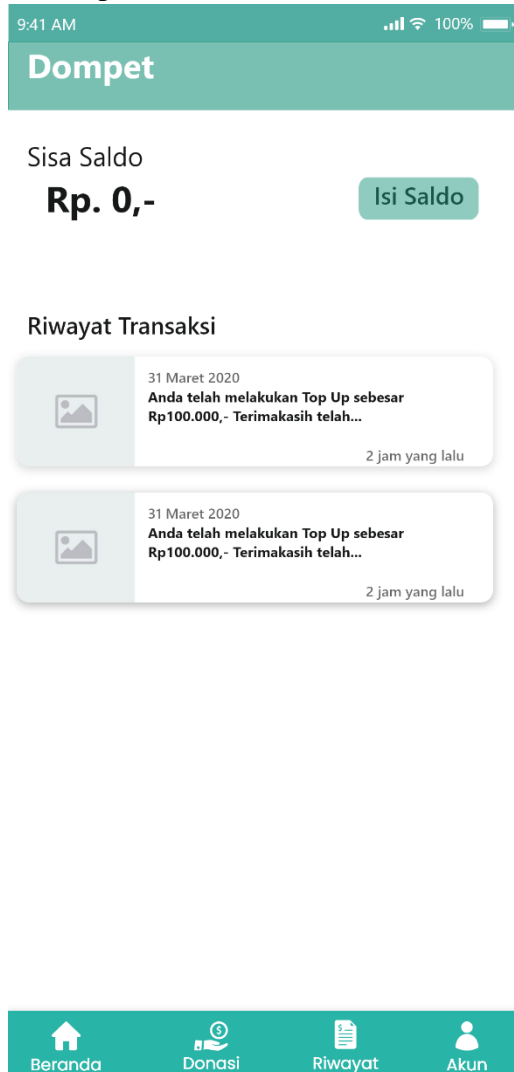
Keterangan : Digunakan untuk mengirim data ke database dan memilih foto dan juga upload foto

3. Mockup

Dompet

Sisa Saldo

Rp. 0,-   Isi Saldo

Riwayat Transaksi

🖼️ 31 Maret 2020
Anda telah melakukan Top Up sebesar Rp100.000,- Terimakasih telah...
2 jam yang lalu

🖼️ 31 Maret 2020
Anda telah melakukan Top Up sebesar Rp100.000,- Terimakasih telah...
2 jam yang lalu

🏠 Beranda   💲 Donasi   📄 Riwayat   👤 Akun

Mau isi saldo berapa ?

Rp [   ]

Berlaku kelipatan 5

Rp 50.000,-   Rp 100.000,-

Rp 150.000,-   Rp 250.000,-

Rp 500.000,-   Rp 1.000.000,-

Metode Pembayaran   Pilih

🏠 Beranda   💲 Donasi   📄 Riwayat   👤 Akun

4. Hasil Run

Saldo Anda Sekarang

Rp350.000

ISI SALDO

---

12 Mei 2020
Anda telah melakukan Top Up sebesar
+ Rp30.000

12 Mei 2020
Anda telah melakukan Top Up sebesar
+ Rp30.000

12 Mei 2020
Anda telah melakukan Top Up sebesar
+ Rp20.000

13 Mei 2020
Anda telah melakukan Top Up sebesar
+ Rp30.000

13 Mei 2020
Anda telah melakukan Top Up sebesar
+ Rp20.000

Silahkan Pilih Saldo Top Up

50.000   100.000

150.000   200.000

150000

LANJUTKAN TOP UP

Detail Transaksi Top Up

Nama   Gumball Watterson
Tanggal   16.05.2020 at 19:52:03
Jumlah Top Up   Rp150.000

No Image Selected

Upload Bukti Transfer
PILIH FOTO

LANJUTKAN PEMBAYARAN