LAMPIRAN

Lampiran *coding* KrsFragment.java

```java
import android.app.ProgressDialog;
import android.content.Context;
import android.content.DialogInterface;
import android.content.Intent;
import android.provider.Settings;
import android.support.annotation.Nullable;
import android.support.v4.app.Fragment;
import android.os.Bundle;
import android.support.v7.app.AlertDialog;
import android.util.Log;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.ListView;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

import com.umytechnocreative.krsonline.R;
import com.umytechnocreative.krsonline.api.IRestService;
import com.umytechnocreative.krsonline.api.RestService;
import com.umytechnocreative.krsonline.common.adapter.KrsAdapter;
import com.umytechnocreative.krsonline.common.models.KrsModel;
import com.umytechnocreative.krsonline.common.utils.PreferencesLogin;

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

import java.io.IOException;
import java.util.ArrayList;

import okhttp3.ResponseBody;
import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class KrsFragment extends Fragment {
    private Spinner spTahun,spSemester;
    private TextView tvNo, tvNama, tvSks, tvKelas, tvBiaya,
tvJumlahSks, tvJumlahBiaya;
    private PreferencesLogin pref;
    private IRestService mIRestService;
    private ArrayList<String> YearArray;
    private ArrayList<String> TermArray;
    private String year;
    private String term_id, term_name;
    private Boolean checkYear;
    private Boolean checkTerm;
    private String Year_Id;
    private String Term_Id;
    private ListView listKrs;
    private KrsModel data;
    private ProgressDialog pDialog;
    private Context mContext;
```

```java
@Nullable
@Override
public View onCreateView(LayoutInflater inflater, @Nullable ViewGroup
container, Bundle savedInstanceState) {
    View rootView = inflater.inflate(R.layout.fragment_krs, container,
false);
    mContext = getContext();
    pDialog = new ProgressDialog(rootView.getContext());
    pDialog.setCancelable(false);
    tvNo = rootView.findViewById(R.id.tvNo);
    tvNama = rootView.findViewById(R.id.tvNama);
    tvSks = rootView.findViewById(R.id.tvSks);
    tvKelas = rootView.findViewById(R.id.tvKelas);
    tvBiaya = rootView.findViewById(R.id.tvBiaya);
    spTahun = rootView.findViewById(R.id.spTahun);
    spSemester = rootView.findViewById(R.id.spSemester);
    listKrs = rootView.findViewById(R.id.listKrs);
    tvJumlahSks = rootView.findViewById(R.id.tvJumlahSks);
    tvJumlahBiaya = rootView.findViewById(R.id.tvJumlahBiaya);
    ViewGroup.LayoutParams params = listKrs.getLayoutParams();
    params.height = 830;
    listKrs.setLayoutParams(params);
    listKrs.requestLayout();
    checkYear = false;
    checkTerm = false;
    mIRestService = RestService.getAPIService();
    pref = new PreferencesLogin(getContext());
    YearArray = new ArrayList<>();
    TermArray = new ArrayList<>();
    showDialog();
    getYear();
    spTahun.setOnItemSelectedListener(new
AdapterView.OnItemSelectedListener(){
        @Override
        public void onItemSelected(AdapterView<?> adapterView, View
view, int i, long l) {
            if (!checkYear.equals(false)) {
                YearClick();
            } checkYear = true;
        }
    });
    spSemester.setOnItemSelectedListener(new
AdapterView.OnItemSelectedListener() {
        @Override
        public void onItemSelected(AdapterView<?> adapterView,
    View view, int i, long l) {
                if (!checkTerm.equals(false)) {
                    TermClick();
                }
                checkTerm = true;
            }
    });
        return rootView;
}
```

```java
@Override
public void onViewCreated(View view, @Nullable Bundle
savedInstanceState) {
    super.onViewCreated(view, savedInstanceState);
}
private void showDialog() {
    pDialog.setMessage("Mohon tunggu ...");
    if (!pDialog.isShowing())
        pDialog.show();
}
private void hideDialog() {
    if (pDialog.isShowing())
        pDialog.dismiss();
}
private void YearClick() {
    String value = String.valueOf(spTahun.getSelectedItem());
    String[] Year = value.split("/");
    Year_Id = Year[0];
    TermArray.clear();
    getTerm(Year_Id);
}
private void TermClick() {
    String value = String.valueOf(spSemester.getSelectedItem());
    String Term = "";
    if (value.equals("Ekuivalensi")) {
        Term = "0";
    } else if (value.equals("Gasal")) {
        Term = "1";
    } else if (value.equals("Genap")) {
        Term = "2";
    } else if (value.equals("Pendek")) {
        Term = "3";
    } else if (value.equals("Remediasi 1")) {
        Term = "4";
    } else if (value.equals("Remediasi 2")) {
        Term = "5";
    }
    Term_Id = Term;
    getData(Year_Id, Term_Id);
}
private void getYear() {
    String SPNim = pref.getSPNim();
    mIRestService.postKrsYearMahasiswa(SPNim)
            .enqueue(new Callback<ResponseBody>() {
    @Override
    public void onResponse(Call<ResponseBody> call,
Response<ResponseBody> response) {
        if (response.isSuccessful()) {
            try {
                String respon = response.body().string();
                String split;
                if (!respon.isEmpty()) {
                    JSONArray jsonArray = new JSONArray(respon);
                    for (int i = 0; i < jsonArray.length(); i++) {
                        JSONObject jsonObject =
jsonArray.getJSONObject(i);
                        year = jsonObject.getString("Year_Id");
                        split =
year+"/"+String.valueOf(Integer.parseInt(year)+1);
                        YearArray.add(split);
                    }
```

```java
spTahun.setAdapter(new ArrayAdapter<>(getContext(),
android.R.layout.simple_spinner_dropdown_item, YearArray));
                                String value =
String.valueOf(spTahun.getSelectedItem());
                                String[] Year = value.split("/");
                                Year_Id = Year[0];
                                getTerm(Year_Id);
                            } else {
                                hideDialog();
                                Toast.makeText(mContext, "Error 1",
Toast.LENGTH_SHORT).show();
                            }
                        } catch (JSONException e) {
                            e.printStackTrace();
                        } catch (IOException e) {
                            e.printStackTrace();
                        }
                    } else {
                        hideDialog();
                        Toast.makeText(mContext, "Error 2",
Toast.LENGTH_SHORT).show();
                    }
                }
                @Override
                public void onFailure(Call<ResponseBody> call,
Throwable t) {
                    Log.e("Error", "onFailure: ERROR > " +
t.toString());
                }
            });
}
private void getTerm(final String Year_Id) {
    String SPNim = pref.getSPNim();
    mIRestService.postKrsTermMahasiswa(SPNim, Year_Id)
            .enqueue(new Callback<ResponseBody>() {
                @Override
                public void onResponse(Call<ResponseBody> call,
Response<ResponseBody> response) {
                    if (response.isSuccessful()) {
                        try {
                            String respon = response.body().string();
                            if (!respon.isEmpty()) {
                                JSONArray jsonArray = new
JSONArray(respon);
                                for (int i = 0; i <
jsonArray.length(); i++) {
                                    JSONObject jsonObject =
jsonArray.getJSONObject(i);
                                    term_id =
jsonObject.getString("Term_Id");
                                    term_name =
jsonObject.getString("Term_Name");
                                    TermArray.add(term_name);
                                }
spSemester.setAdapter(new ArrayAdapter<>(getContext(),
android.R.layout.simple_spinner_dropdown_item, TermArray));
String value = String.valueOf(spSemester.getSelectedItem());
String Term = "";
```

```java
if (value.equals("Ekuivalensi")) {
        Term = "0";
    } else if (value.equals("Gasal")) {
        Term = "1";
    } else if (value.equals("Genap")) {
        Term = "2";
    } else if (value.equals("Pendek")) {
        Term = "3";
    } else if (value.equals("Remediasi 1")) {
        Term = "4";
    } else if (value.equals("Remediasi 2")) {
        Term = "5";
    }
    Term_Id = Term;
    getData(Year_Id, Term_Id);
}
else {
        hideDialog();
      Toast.makeText(mContext, "Error 1", Toast.LENGTH_SHORT).show();
                                }
                    } catch (JSONException e) {
                        e.printStackTrace();
                    } catch (IOException e) {
                        e.printStackTrace();
                    }
                } else {
                    hideDialog();
                    Toast.makeText(mContext, "Error 2",
    Toast.LENGTH_SHORT).show();
                }
            }
            @Override
            public void onFailure(Call<ResponseBody> call,
    Throwable t) {
                    Log.e("Error", "onFailure: ERROR > " +
    t.toString());
            }
        });
    }
private void getData(String Year_Id, String Term_Id) {
    String SPNim = pref.getSPNim();
    mIRestService.postKrsMahasiswa(SPNim, Year_Id, Term_Id)
            .enqueue(new Callback<ResponseBody>() {
    @Override
    public void onResponse(Call<ResponseBody> call,
Response<ResponseBody> response) {
        if (response.isSuccessful()) {
            try {
String respon = response.body().string();
if (!respon.isEmpty()) {
    JSONObject jsonObject = new JSONObject(respon);
    JSONArray jsonArray = jsonObject.getJSONArray("data");
    ArrayList<KrsModel> arrayList = new ArrayList<>();
    for (int i = 0; i < jsonArray.length(); i++) {
        jsonObject = jsonArray.getJSONObject(i);
        String name = jsonObject.getString("Course_Name");
        String sks = jsonObject.getString("Sks");
        String kelas = jsonObject.getString("Class_Name");
        String biaya = jsonObject.getString("Amount");
        data = new KrsModel(name, sks, kelas, biaya, "");
        arrayList.add(data);
    }
```

```
String jumlah_sks = null;
JSONObject jsonObject1 = new JSONObject(respon);
JSONArray jsonArray1 = jsonObject1.getJSONArray("jumlah_sks");
for (int i = 0; i < jsonArray1.length(); i++) {
    jsonObject1 = jsonArray1.getJSONObject(i);
    jumlah_sks = jsonObject1.getString("Jumlah_Sks");
}
tvJumlahSks.setText(jumlah_sks);
String jumlah_biaya = null;
JSONObject jsonObject2 = new JSONObject(respon);
JSONArray jsonArray2 = jsonObject2.getJSONArray("jumlah_biaya");
for (int i =0; i < jsonArray2.length(); i++) {
    jsonObject2 = jsonArray2.getJSONObject(i);
    jumlah_biaya = jsonObject2.getString("Jumlah_Biaya");
}
tvJumlahBiaya.setText(jumlah_biaya);
KrsAdapter adapter = new KrsAdapter(getContext(),
R.layout.adapter_krs, arrayList);
listKrs.setAdapter(adapter);
hideDialog();
        } else {
                                hideDialog();
                                Toast.makeText(mContext, "Error
1", Toast.LENGTH_SHORT).show();
                                }
                        } catch (JSONException e) {
                            e.printStackTrace();
                        } catch (IOException e) {
                            e.printStackTrace();
                        }
                } else {
                    hideDialog();
                    Toast.makeText(mContext, "Error 2",
Toast.LENGTH_SHORT).show();
                        }
                }
                @Override
                public void onFailure(Call<ResponseBody> call,
Throwable t) {
                    Log.e("Error", "onFailure: ERROR > " +
t.toString());
                }
            });
    }
}
```

Lampiran coding XML fragment_krs.xml

```xml
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="?attr/colorButtonNormal"
    android:orientation="vertical"
tools:context="com.umytechnocreative.krsonline.activity.fragment.KrsFr
agment">
    <RelativeLayout
        android:id="@+id/line1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp">
        <TableLayout
            android:id="@+id/tabel_data_spinner"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:shrinkColumns="*"
            android:stretchColumns="0,1">
            <TableRow
                android:id="@+id/tablerowheader0"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content">
                <RelativeLayout
                    android:id="@+id/line2"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content">
                    <Spinner
                        android:id="@+id/spTahun"
                        android:layout_width="match_parent"
                        android:layout_height="35dp"
                        android:layout_alignParentTop="true"
                        android:layout_marginLeft="10dp"
                        android:background="@drawable/edittext_border"
                        android:padding="5dp"
                        android:spinnerMode="dropdown"
                        android:textColor="#FFFFFF"/>
                    <ImageView
                        android:id="@+id/imageView3"
                        android:layout_width="35dp"
                        android:layout_height="wrap_content"
                        android:layout_alignBottom="@+id/spTahun"
                        android:layout_alignEnd="@+id/spTahun"
                        android:layout_alignParentTop="true"
                        android:layout_alignRight="@+id/spTahun"
                        android:layout_gravity="center_vertical|right"
                        android:background="@drawable/drop_down" />
                </RelativeLayout>
```

```xml
                    <RelativeLayout
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:layout_marginLeft="5dp">
                        <Spinner
                            android:id="@+id/spSemester"
                            android:layout_width="match_parent"
                            android:layout_height="35dp"
                            android:layout_alignParentLeft="true"
                            android:layout_alignParentTop="true"
                            android:layout_marginRight="10dp"
                            android:background="@drawable/edittext_border"
                            android:padding="5dp"
                            android:spinnerMode="dropdown"
                            android:textColor="#FFFFFF" />
                        <ImageView
                            android:layout_width="35dp"
                            android:layout_height="wrap_content"
                            android:layout_alignBottom="@+id/spSemester"
                            android:layout_alignEnd="@+id/spSemester"
                            android:layout_alignParentTop="true"
                            android:layout_alignRight="@+id/spSemester"
                            android:layout_gravity="center_vertical|right"
                            android:background="@drawable/drop_down" />

                    </RelativeLayout>
                </TableRow>
            </TableLayout>
    </RelativeLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_margin="10dp"
        android:orientation="vertical"
        android:background="@android:color/background_light"
        android:paddingTop="10dp">
        <LinearLayout
            android:id="@+id/line3"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical">
            <LinearLayout
                android:id="@+id/line4"
                android:layout_width="match_parent"
                android:layout_height="wrap_content">
                <TableLayout
                    android:id="@+id/tabel_data_krs"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:shrinkColumns="*"
                    android:stretchColumns="0,1">
```

```xml
<TableRow
        android:id="@+id/tablerowheader"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="@color/colorPrimaryDark"
        android:padding="5dp">
        <TextView
            android:id="@+id/No"
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:layout_weight="0.1"
            android:text="No"
            android:textColor="@color/colorAccent"
            android:textStyle="bold" />
        <TextView
            android:id="@+id/Nama"
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:layout_weight="0.4"
            android:text="Nama Matakuliah"
            android:gravity="center"
            android:textColor="@color/colorAccent"
            android:textStyle="bold" />
        <TextView
            android:id="@+id/Sks"
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:layout_weight="0.1"
            android:text="SKS"
            android:gravity="center"
            android:textColor="@color/colorAccent"
            android:textStyle="bold" />
        <TextView
            android:id="@+id/Kelas"
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:layout_weight="0.15"
            android:text="Kelas"
            android:gravity="center"
            android:textColor="@color/colorAccent"
            android:textStyle="bold" />
        <TextView
            android:id="@+id/Biaya"
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:layout_weight="0.25"
            android:text="Biaya"
            android:textColor="@color/colorAccent"
            android:textStyle="bold" />
    </TableRow>
    </TableLayout>
</LinearLayout>
<RelativeLayout
    android:id="@+id/line5"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <ListView
        android:id="@+id/listKrs"
        android:layout_width="match_parent"
        android:padding="5dp"
        android:layout_height="350dp">
    </ListView>
</RelativeLayout>
```

```xml
<LinearLayout
    android:id="@+id/line6"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:paddingBottom="20dp">
    <TableLayout
        android:id="@+id/tblJumlah"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:shrinkColumns="*"
        android:stretchColumns="0,1">
        <TableRow
            android:id="@+id/tablerowheader1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:background="@color/colorPrimaryDark"
            android:padding="5dp">
            <TextView
                android:id="@+id/tv1"
                android:layout_width="0dip"
                android:layout_height="wrap_content"
                android:layout_weight="0.5"
                android:gravity="center"
                android:text="Jumlah"
                android:textColor="@color/colorAccent"
                android:textStyle="bold" />
            <TextView
                android:id="@+id/tvJumlahSks"
                android:layout_width="0dip"
                android:layout_height="wrap_content"
                android:layout_weight="0.25"
                android:text="0"
                android:textColor="@color/colorAccent"
                android:textStyle="bold" />
            <TextView
                android:id="@+id/tvJumlahBiaya"
                android:layout_width="0dip"
                android:layout_height="wrap_content"
                android:layout_weight="0.25"
                android:text="0"
                android:textColor="@color/colorAccent"
                android:textStyle="bold" />
        </TableRow>
    </TableLayout>
</LinearLayout>
    </LinearLayout>
</LinearLayout>
</LinearLayout>
```

Lampiran coding menampilkan biodata, BiodataFragment.java

```java
package com.umytechnocreative.krsonline.activity.fragment;

import android.content.Context;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.provider.Settings;
import android.support.annotation.Nullable;
import android.support.v4.app.Fragment;
import android.support.v7.app.AlertDialog;
import android.util.Log;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ListView;
import android.widget.TextView;
import android.widget.Toast;
import com.squareup.picasso.Picasso;
import com.umytechnocreative.krsonline.api.IRestService;
import com.umytechnocreative.krsonline.api.RestService;
import com.umytechnocreative.krsonline.R;
import com.umytechnocreative.krsonline.common.adapter.KendaraanAdapter;
import com.umytechnocreative.krsonline.common.models.KendaraanModel;
import com.umytechnocreative.krsonline.common.utils.PreferencesLogin;
import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;
import java.io.IOException;
import java.util.ArrayList;
import de.hdodenhof.circleimageview.CircleImageView;
import okhttp3.ResponseBody;
import retrofit2.Call;
import retrofit2.Callback;
import retrofit2.Response;

public class BiodataFragment extends Fragment {
    private PreferencesLogin pref;
    private IRestService mIRestService;
    private ListView listView;
    private TextView tvJenis, tvMerk;
    private KendaraanAdapter adapter;
    private KendaraanModel data;
    Context mContext;
    @Nullable
    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup
container, Bundle savedInstanceState){
        View rootView = inflater.inflate(R.layout.fragment_biodata,
container, false);
        return rootView;
    }
@Override
public void onViewCreated(View v, @Nullable Bundle savedInstanceState){
    super.onViewCreated(v, savedInstanceState);
    mContext = getContext();
    tvJenis = getActivity().findViewById(R.id.tvJenis);
    tvMerk = getActivity().findViewById(R.id.tvMerk);
    mIRestService = RestService.getAPIService();
    listView = getActivity().findViewById(R.id.listviewKendaraan);
```

```java
pref = new PreferencesLogin(getContext());
String SPNim = pref.getSPNim();
String SPName = pref.getSPName();
String SPAddress = pref.getSPAddress();
String SPGender = pref.getSPGender();
String SPDateBirth = pref.getSPDateBirth();
String SPReligion = pref.getSPReligion();
String SPDepartment = pref.getSPDepartment();
String SPEmail = pref.getSPEmail();
Object SPImage = pref.getSPImage();
mIRestService.postKendaraanMahasiswa(SPNim)
        .enqueue(new Callback<ResponseBody>() {
@Override
    public void onResponse(Call<ResponseBody> call,
Response<ResponseBody> response) {
        if (response.isSuccessful()) {
            try {
                String respon = response.body().string();
                if (!respon.isEmpty()) {
                    JSONArray jsonArray = new JSONArray(respon);
                    ArrayList<KendaraanModel> arrayList = new
ArrayList<>();
                    for (int i = 0; i < jsonArray.length(); i++) {
                        JSONObject jsonObject =
jsonArray.getJSONObject(i);
                        String merk = jsonObject.getString("merek");
                        String jenis =
jsonObject.getString("keterangan");
                        data = new KendaraanModel(jenis, merk);
                        arrayList.add(data);
                    }
                    KendaraanAdapter adapter = new
KendaraanAdapter(getActivity().getApplicationContext(),
R.layout.adapter_kendaraan, arrayList);
                    listView.setAdapter(adapter);
                } else {
                    Toast.makeText(mContext, "Error 1",
Toast.LENGTH_SHORT).show();
                }
            } catch (JSONException e) {
                e.printStackTrace();
            } catch (IOException e) {
                e.printStackTrace();
            }
        } else {
            Toast.makeText(mContext, "Error 2",
Toast.LENGTH_SHORT).show();
        }
    }
    @Override
    public void onFailure(Call<ResponseBody> call, Throwable t) {
        Log.e("Error", "onFailure: ERROR > " + t.toString());
    }
});
```

```java
    TextView nim = getView().findViewById(R.id.nim1);
    TextView name = getView().findViewById(R.id.nama1);
    TextView address = getView().findViewById(R.id.alamat1);
    TextView gender = getView().findViewById(R.id.jk1);
    TextView date = getView().findViewById(R.id.tgl1);
    TextView religion = getView().findViewById(R.id.agama1);
    TextView department = getView().findViewById(R.id.prodi1);
    TextView email = getView().findViewById(R.id.email1);
    CircleImageView circle = getView().findViewById(R.id.profile_img);
    nim.setText(SPNim);
    name.setText(SPName);
    address.setText(SPAddress);
    gender.setText(SPGender);
    date.setText(SPDateBirth);
    religion.setText(SPReligion);
    department.setText(SPDepartment);
    email.setText(SPEmail);
    Picasso.with(getContext()).load(SPImage.toString()).into(circle);
}
private void showErrorConnection() {
        AlertDialog.Builder builder = new
AlertDialog.Builder(mContext);
        builder.setTitle(R.string.dialog_error_connection_title);
        builder.setMessage(R.string.dialog_error_connection_message);
        builder.setCancelable(false);
        builder.setPositiveButton("KEMBALI", null);
        builder.setNegativeButton("SETTINGS", new
DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialogInterface, int
i) {
                startActivity(new
Intent(Settings.ACTION_WIRELESS_SETTINGS));
            }
        });
        builder.show();
    }
    private void showErrorOthers(String title,String message) {
        AlertDialog.Builder builder = new
AlertDialog.Builder(mContext);
        builder.setTitle(title);
        builder.setMessage(message);
        builder.setCancelable(false);
        builder.setPositiveButton("KEMBALI", null);
        builder.show();
    }
}
```

```xml
<?xmlns version="1.0" encoding="utf-8"?>
<LinearLayout
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:orientation="vertical">
    <de.hdodenhof.circleimageview.CircleImageView
xmlns:app="http://schemas.android.com/apk/res-auto"
        android:id="@+id/profile_img"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/header_cover_image"
        android:layout_centerHorizontal="true"
        android:clickable="true"
        android:elevation="5dp"
        android:padding="20dp"
        android:scaleType="centerCrop"
        android:src="@mipmap/ic_umylogo_round"
        app:civ_border_color="@color/colorAccent"
        app:civ_border_width="3dp" />
    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
        <LinearLayout
            android:id="@+id/linear"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_alignParentBottom="true"
            android:orientation="vertical">
            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:paddingLeft="10dp"
                android:text="Biodata Mahasiswa"
                android:textColor="@color/colorLoginButton" />
            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:orientation="horizontal">
                <TextView
                    android:id="@+id/nama1"
                    android:layout_width="match_parent"
                    android:layout_height="match_parent"
                    android:layout_weight="1"
                    android:background="#0000"
                    android:hint="-"
                    android:maxLength="120"
                    android:paddingBottom="5dp"
                    android:paddingLeft="16dp"
                    android:paddingTop="5dp"
                    android:textColor="#181737"
                    android:textColorHint="#181737"
                    android:textSize="16dp" />
            </LinearLayout>
            <View
                android:layout_width="match_parent"
                android:layout_height="1dp"
                android:background="#dad8d8" />
```

```xml
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <TextView
        android:id="@+id/nim1"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_weight="1"
        android:background="#0000"
        android:hint="-"
        android:maxLength="120"
        android:paddingBottom="5dp"
        android:paddingLeft="16dp"
        android:paddingTop="5dp"
        android:textColor="#181737"
        android:textColorHint="#181737"
        android:textSize="16dp" />
</LinearLayout>
<View
    android:layout_width="match_parent"
    android:layout_height="1dp"
    android:background="#dad8d8" />
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <TextView
        android:id="@+id/email1"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_weight="1"
        android:background="#0000"
        android:hint="-"
        android:maxLength="120"
        android:paddingBottom="5dp"
        android:paddingLeft="16dp"
        android:paddingTop="5dp"
        android:textColor="#181737"
        android:textColorHint="#181737"
        android:textSize="16dp" />
</LinearLayout>
<View
    android:layout_width="match_parent"
    android:layout_height="1dp"
    android:background="#dad8d8" />
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <TextView
        android:id="@+id/prodi1"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_weight="1"
        android:background="#0000"
        android:hint="-"
        android:maxLength="120"
        android:paddingBottom="5dp"
        android:paddingLeft="16dp"
        android:paddingTop="5dp" />
</LinearLayout>
```

```xml
<View
    android:layout_width="match_parent"
    android:layout_height="1dp"
    android:background="#dad8d8" />
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <TextView
        android:id="@+id/jk1"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_weight="1"
        android:background="#0000"
        android:hint="-"
        android:maxLength="120"
        android:paddingBottom="5dp"
        android:paddingLeft="16dp"
        android:paddingTop="5dp"
        android:textColor="#181737"
        android:textColorHint="#181737"
        android:textSize="16sp" />
</LinearLayout>
<View
    android:layout_width="match_parent"
    android:layout_height="1dp"
    android:background="#dad8d8" />
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <TextView
        android:id="@+id/tgl1"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_weight="1"
        android:background="#0000"
        android:hint="-"
        android:maxLength="120"
        android:paddingBottom="5dp"
        android:paddingLeft="16dp"
        android:paddingTop="5dp"/>
</LinearLayout>
<View
    android:layout_width="match_parent"
    android:layout_height="1dp"
    android:background="#dad8d8" />
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <TextView
        android:id="@+id/agama1"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_weight="1"
        android:maxLength="120"
        android:paddingBottom="5dp"
        android:paddingLeft="16dp"
        android:paddingTop="5dp"
        android:textColor="#181737"/>
</LinearLayout>
```

```xml
<View
            android:layout_width="match_parent"
            android:layout_height="1dp"
            android:background="#dad8d8" />
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal">
            <TextView
                android:id="@+id/alamat1"
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:layout_weight="1"
                android:background="#0000"
                android:hint="-"
                android:maxLength="120"
                android:paddingBottom="5dp"
                android:paddingLeft="16dp"
                android:paddingTop="5dp"
                android:textColor="#181737"
                android:textColorHint="#181737"
                android:textSize="16dp" />
        </LinearLayout>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginTop="10dp"
            android:orientation="vertical">
            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:paddingLeft="10dp"
                android:text="Kendaraan"
                android:textColor="@color/colorLoginButton" />
            <ListView
                android:id="@+id/listviewKendaraan"
                android:layout_width="match_parent"
                android:layout_height="100dp"
                android:layout_margin="5dp" />
        </LinearLayout>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_marginTop="20dp"
            android:orientation="horizontal">
            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:gravity="center"
                android:text="©2018 Universitas Muhammadiyah
Yogyakarta  All rights reserved"/>
        </LinearLayout>
        </LinearLayout>
    </ScrollView>
</LinearLayout>
```

TambahMK.java

```java
public class TambahMKActivity extends AppCompatActivity {
    private RecyclerView recyclerView;
    private MKAdapter adapter;
    private ArrayList<MKModel> mkArrayList;

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_tambah_mk);
        addData();
        recyclerView = findViewById(R.id.recycler_view);
        adapter = new MKAdapter(mkArrayList);
        RecyclerView.LayoutManager layoutManager = new
LinearLayoutManager(TambahMKActivity.this);
        recyclerView.setLayoutManager(layoutManager);
        recyclerView.setAdapter(adapter);
    }
private void addData() {
        mkArrayList = new ArrayList<>();
        mkArrayList.add(new MKModel("TI-101", "Bahasa Inggris","3
sks","Rp 215.000"));
        mkArrayList.add(new MKModel("TI-102", "Fisika dan
Elektronika","1 sks","Rp 75.000"));
        mkArrayList.add(new MKModel("TI-103", "Dasar Teknologi
Informasi","2 sks","Rp 150.000"));
        mkArrayList.add(new MKModel("TI-104", "Praktikum Sistem
Operasi","1 sks","Rp 75.000"));
        mkArrayList.add(new MKModel("TI-105", "Pemrograman
Berorientasi Obyek","4 sks","Rp 300.000"));
        mkArrayList.add(new MKModel("TI-101", "Bahasa Inggris","3
sks","Rp 215.000"));
        mkArrayList.add(new MKModel("TI-102", "Fisika dan
Elektronika","1 sks","Rp 75.000"));
        mkArrayList.add(new MKModel("TI-103", "Dasar Teknologi
Informasi","2 sks","Rp 150.000"));
        mkArrayList.add(new MKModel("TI-104", "Praktikum Sistem
Operasi","1 sks","Rp 75.000"));
        mkArrayList.add(new MKModel("TI-105", "Pemrograman
Berorientasi Obyek","4 sks","Rp 300.000"));
        mkArrayList.add(new MKModel("TI-101", "Bahasa Inggris","3
sks","Rp 215.000"));
        mkArrayList.add(new MKModel("TI-102", "Fisika dan
Elektronika","1 sks","Rp 75.000"));
        mkArrayList.add(new MKModel("TI-103", "Dasar Teknologi
Informasi","2 sks","Rp 150.000"));
        mkArrayList.add(new MKModel("TI-104", "Praktikum Sistem
Operasi","1 sks","Rp 75.000"));
        mkArrayList.add(new MKModel("TI-105", "Pemrograman
Berorientasi Obyek","4 sks","Rp 300.000"));
    }
}
```

Adapter Transkrip Nilai

```java
public class MKAdapter extends
RecyclerView.Adapter<MKAdapter.MKViewHolder>{
    private ArrayList<MKModel> dataList;
    Spinner spinner;
    Button button1,button2;
    TextView txt1,txt2,txt3,txt4;

    public MKAdapter(ArrayList<MKModel> mkArrayList) {
        this.dataList = mkArrayList;
    }
    @Override
    public MKViewHolder onCreateViewHolder(ViewGroup parent, int
viewType) {
        LayoutInflater layoutInflater =
LayoutInflater.from(parent.getContext());
        View view =
layoutInflater.inflate(R.layout.adapter_tambahmk,parent,false);
        return new MKViewHolder(view);
    }
    @Override
    public void onBindViewHolder(MKAdapter.MKViewHolder holder, final
int position) {
        holder.kode.setText(dataList.get(position).getKode());
        holder.name.setText(dataList.get(position).getName());
        holder.sks.setText(dataList.get(position).getSks());
        holder.cost.setText(dataList.get(position).getCost());
        holder.itemView.setOnClickListener(new View.OnClickListener()
{
            @Override
            public void onClick(View view) {

                final Dialog dialog = new Dialog(view.getContext());
                dialog.setContentView(R.layout.dialog_tambahmk);
                dialog.setTitle(dataList.get(position).getKode());
                dialog.setCancelable(false);
                spinner = dialog.findViewById(R.id.spKelas);
                List<String>kelas=new ArrayList<String>();
                kelas.add("A");
                kelas.add("B");
                kelas.add("C");
                ArrayAdapter<String>dataAdapter = new
ArrayAdapter<String>(view.getContext(),
android.R.layout.simple_spinner_item, kelas);

dataAdapter.setDropDownViewResource(android.R.layout.simple_spinner_dr
opdown_item);
                spinner.setAdapter(dataAdapter);

                final String kode = dataList.get(position).getKode();
                final String name = dataList.get(position).getName();
                final String sks = dataList.get(position).getSks();
                final String cost = dataList.get(position).getCost();

                txt1 = dialog.findViewById(R.id.kodeMK);
                txt2 = dialog.findViewById(R.id.namaMK);
                txt3 = dialog.findViewById(R.id.sksMK);
                txt4 = dialog.findViewById(R.id.biayaMK);

                txt1.setText(kode);
                txt2.setText(name);
```

```java
txt4.setText(cost);

                button1 = dialog.findViewById(R.id.btnAdd);
                button1.setOnClickListener(new
AdapterView.OnClickListener(){
                    @Override
                    public void onClick(View view){
                        List<DataMK.Model> models = new ArrayList();
                        DataMK.Model model3 = new DataMK.Model();
                        model3.setKode(kode);
                        model3.setName(name);
                        models.add(model3);
                        for (int i=0; i < models.size(); i++) {
                            Log.e("Kode", models.get(i).getKode());
                            Log.e("Name", models.get(i).getName());
                        }
                        dialog.dismiss();
                    }
                });
                button2 = dialog.findViewById(R.id.btnCancel);
                button2.setOnClickListener(new View.OnClickListener()
{
                    @Override
                    public void onClick(View view) {
                        dialog.dismiss();
                    }
                });
                dialog.show();
            }
        });
    }

    @Override
    public int getItemCount() {
        return (dataList != null) ? dataList.size():0;
    }

    public class MKViewHolder extends RecyclerView.ViewHolder{
        private TextView kode,name,sks,cost;

        public MKViewHolder(View itemView) {
            super(itemView);
            kode = itemView.findViewById(R.id.tvKode);
            name = itemView.findViewById(R.id.tvNama);
            sks = itemView.findViewById(R.id.tvSks);
            cost = itemView.findViewById(R.id.tvCost);
        }
    }
}
```

Model Transkrip Nilai

```java
public class MKModel {
    private String kode;
    private String sks;
    private String name;
    private String cost;

    public MKModel(){
        super();
    }

    public MKModel(String kode, String name, String sks, String cost){
        super();
        this.kode = kode;
        this.name = name;
        this.sks = sks;
        this.cost = cost;
    }

    public String getKode() {
        return kode;
    }

    public void setKode(String kode) {
        this.kode = kode;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getSks() {
        return sks;
    }

    public void setSks(String sks) {
        this.sks = sks;
    }

    public String getCost() {
        return cost;
    }

    public void setCost(String cost) {
        this.cost = cost;
    }


}
```

XML activity_tambah_mk.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="?attr/colorButtonNormal"
    tools:context=".activity.TambahMKActivity">

    <TextView
        android:id="@+id/txtTitle"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@color/colorPrimaryDark"
        android:padding="10dp"
        android:text="Pilih Mata Kuliah"
        android:textColor="@android:color/background_light"
        android:textSize="20sp" />

    <android.support.v7.widget.RecyclerView
        android:id="@+id/recycler_view"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_margin="10dp"
        android:layout_below="@+id/txtTitle"/>

</RelativeLayout>
```

adapter_tambahmk.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<android.support.v7.widget.CardView
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:card_view="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    card_view:cardCornerRadius="6dp"
    card_view:cardElevation="3dp"
    card_view:cardUseCompatPadding="true">

    <LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="5dp"
        android:orientation="vertical"
        android:padding="5dp">

        <!-- TextView Kode MK -->
        <TextView
            android:id="@+id/tvKode"
            android:layout_width="match_parent"
            android:layout_height="wrap_content" />

        <!-- TextView Nama MK -->
        <TextView
            android:id="@+id/tvNama"
            android:layout_width="match_parent"
            android:layout_height="wrap_content" />

        <!-- TextView jumlah SKS -->
        <TextView
            android:id="@+id/tvSks"
            android:layout_width="match_parent"
            android:layout_height="wrap_content" />

        <!-- TextView Biaya MK -->
        <TextView
            android:id="@+id/tvCost"
            android:layout_width="match_parent"
            android:layout_height="wrap_content" />

    </LinearLayout>

</android.support.v7.widget.CardView>
```