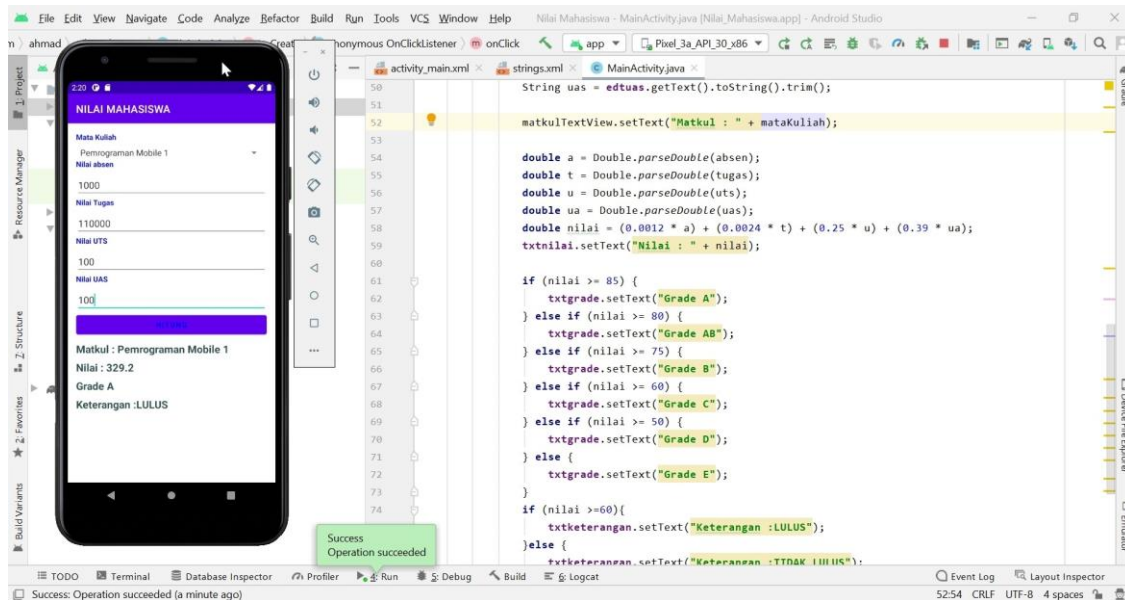Activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<ScrollView 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:paddingBottom="16dp"
    android:paddingLeft="16dp"
    android:paddingRight="16dp"
    android:orientation="vertical"
    android:paddingTop="16dp"
    tools:context=" com.example.myapplication.MainActivity ">

    <LinearLayout
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:orientation="vertical">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="@string/mata_kuliah"
            android:textStyle="bold"
            android:layout_marginBottom="8dp"
            android:textColor="#0000FF"
            android:id="@+id/matkul"/>

        <Spinner
            android:id="@+id/listmatakuliah"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:entries="@array/list_mata_kuliah"
/>

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Nilai absen"
            android:textStyle="bold"
            android:layout_marginBottom="8dp"
```

```xml
            android:textColor="#0000FF" />
        <EditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/nilaiabsen"
            android:text="0"
            android:inputType="number"/>
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Nilai Tugas"
            android:textStyle="bold"
            android:layout_marginBottom="8dp"
            android:textColor="#0000FF" />
        <EditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/nilaitugas"
            android:text="0"
            android:inputType="number"/>
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Nilai UTS"
            android:textStyle="bold"
            android:layout_marginBottom="8dp"
            android:textColor="#0000FF" />
        <EditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/nilaiuts"
            android:text="0"
            android:inputType="number"/>
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Nilai UAS"
            android:textStyle="bold"
            android:layout_marginBottom="8dp"
            android:textColor="#0000FF" />
        <EditText
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/nilaiuas"
            android:text="0"
            android:inputType="number"/>
        <Button
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:id="@+id/tombol"
            android:text="HITUNG"
            android:textStyle="bold"
            android:layout_marginBottom="8dp"
            android:textColor="#0000FF" />
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="MATA KULIAH"
            android:textSize="20dp"
            android:textStyle="bold"
            android:layout_marginBottom="8dp"
            android:textColor="#2F4F4F"
            android:id="@+id/tampil_matkul"/>
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
```

```xml
            android:text="Nilai "
            android:textSize="20dp"
            android:textStyle="bold"
            android:id="@+id/nilaiakhir"
            android:layout_marginBottom="8dp"
            android:textColor="#2F4F4F" />

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text= "Grade "
            android:textSize="20dp"
            android:textStyle="bold"
            android:id="@+id/nilaigrade"
            android:layout_marginBottom="8dp"
            android:textColor="#2F4F4F"/>
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Keterangan "
            android:textSize="20dp"
            android:textStyle="bold"
            android:id="@+id/nilaiketerangan"
            android:layout_marginBottom="8dp"
            android:textColor="#2F4F4F"/>
    </LinearLayout></ScrollView>
```

String.xml
```xml
<resources>
    <string name="app_name">Nilai Mahasiswa</string>
    <string name="pilih_mata_kuliah">Pilih Mata Kuliah</string>
    <string name="mata_kuliah">Mata Kuliah</string>

    <string-array name="list_mata_kuliah">
        <item>PBO</item>
        <item>OOAD</item>
        <item>Pemrograman Mobile 1</item>
        <item>Jaringan Komputer 2</item>
        <item>Digital Preneurship</item>
        <item>Teknik Kompilasi</item>
        <item>Manajemen Perangkat Lunak</item>
    </string-array>
</resources>
```

MainActivity.Java
```java
package com.example.myapplication;

import androidx.core.app.ActivityCompat;
import androidx.core.content.ContextCompat;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

import org.w3c.dom.Text;

public class MainActivity extends AppCompatActivity {
    private EditText edtabsen, edttugas, edtuts, edtuas;
    private Button btnHitung;
    private TextView txtnilai;
```

```java
    private TextView txtgrade;
    private TextView txtketerangan;

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

        getSupportActionBar().setTitle("NILAI MAHASISWA");


        edtabsen = (EditText) findViewById(R.id.nilaiabsen);
        edttugas = (EditText) findViewById(R.id.nilaitugas);
        edtuts = (EditText) findViewById(R.id.nilaiuts);
        edtuas = (EditText) findViewById(R.id.nilaiuas);
        btnHitung = (Button) findViewById(R.id.tombol);
        txtnilai = (TextView) findViewById(R.id.nilaiakhir);
        txtgrade = (TextView) findViewById(R.id.nilaigrade);
        txtketerangan = (TextView) findViewById(R.id.nilaiketerangan);

        btnHitung.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                TextView matkulTextView = findViewById(R.id.tampil_matkul);
                Spinner spinnerPilihMatkul = findViewById(R.id.listmatakuliah);
                String mataKuliah =
String.valueOf(spinnerPilihMatkul.getSelectedItem());
                String absen = edtabsen.getText().toString().trim();
                String tugas = edttugas.getText().toString().trim();
                String uts = edtuts.getText().toString().trim();
                String uas = edtuas.getText().toString().trim();

                matkulTextView.setText("Matkul : " + mataKuliah);

                double a = Double.parseDouble(absen);
                double t = Double.parseDouble(tugas);
                double u = Double.parseDouble(uts);
                double ua = Double.parseDouble(uas);
                double nilai = (0.0012 * a) + (0.0024 * t) + (0.25 * u) + (0.39 *
ua);

                txtnilai.setText("Nilai : " + nilai);

                if (nilai >= 85) {
                    txtgrade.setText("Grade A");
                } else if (nilai >= 80) {
                    txtgrade.setText("Grade AB");
                } else if (nilai >= 75) {
                    txtgrade.setText("Grade B");
                } else if (nilai >= 60) {
                    txtgrade.setText("Grade C");
                } else if (nilai >= 50) {
                    txtgrade.setText("Grade D");
                } else {
                    txtgrade.setText("Grade E");
                }
                if (nilai >=60){
                    txtketerangan.setText("Keterangan :LULUS");
                }else {
                    txtketerangan.setText("Keterangan :TIDAK LULUS");
                }

            }
        });
    }
}
```

Link : https://github.com/Miftahulhudaa/UAS-PEMOGRAMAN-MOBILEE

UAS PEMOGRAMAN MOBILE