**Nama : Adilla maharani**

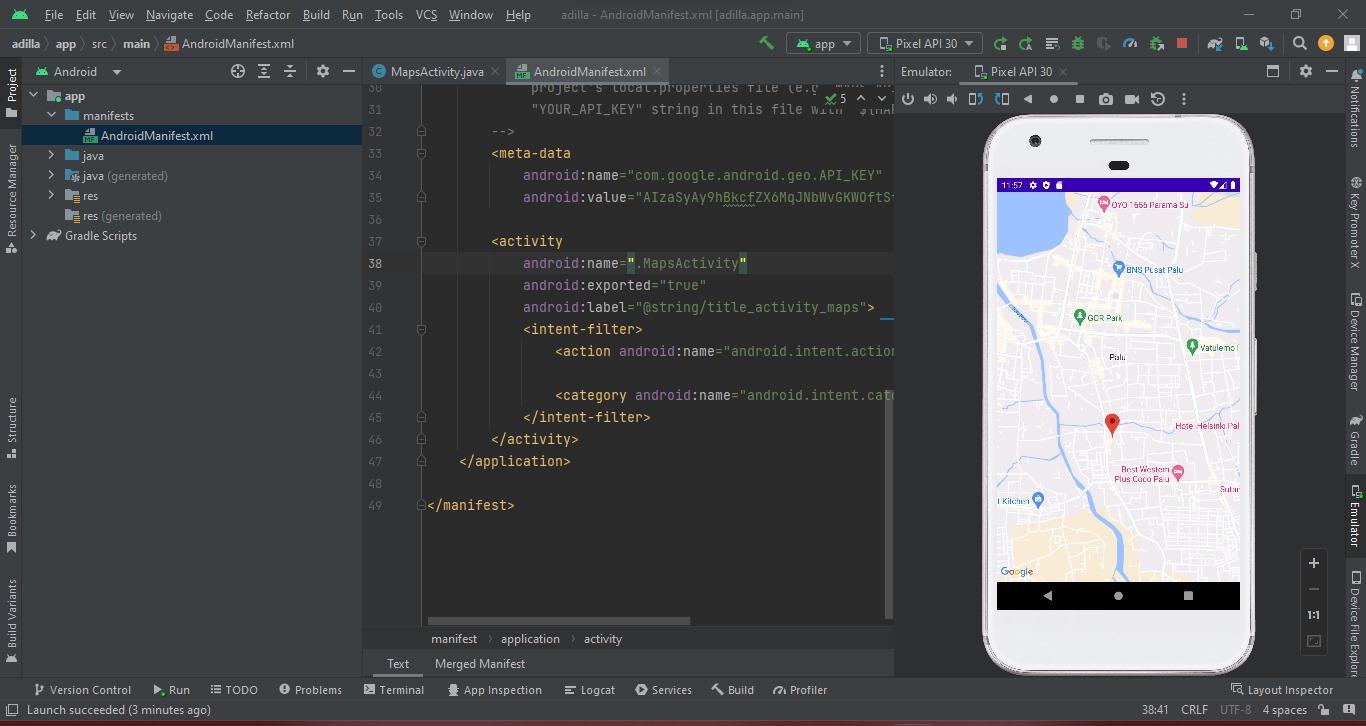
**Stambuk : 20200302017**

**Jurusan : Teknik Informatika**

**Coding Androidmanifes.xml**

<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 package="com.example.adilla">  
 <uses-permission android:name="android.permission.INTERNET"/>  
 <uses-permission android:name="android.permission.ACCESS\_FINE\_LOCATION"/>  
 <uses-permission android:name="android.permission.ACCESS\_COARSE\_LOCATION"/>  
  
  
  
 <application  
 android:allowBackup="true"  
 android:dataExtractionRules="@xml/data\_extraction\_rules"  
 android:fullBackupContent="@xml/backup\_rules"  
 android:icon="@mipmap/ic\_launcher"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:label="adilla"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.Adilla"  
 tools:targetApi="31">  
  
 <!--  
 *TODO: Before you run your application, you need a Google Maps API key.*  
  
 To get one, follow the directions here:  
  
 https://developers.google.com/maps/documentation/android-sdk/get-api-key  
  
 Once you have your API key (it starts with "AIza"), define a new property in your  
 project's local.properties file (e.g. MAPS\_API\_KEY=Aiza...), and replace the  
 "YOUR\_API\_KEY" string in this file with "${MAPS\_API\_KEY}".  
 -->  
 <meta-data  
 android:name="com.google.android.geo.API\_KEY"  
 android:value="AIzaSyAy9hBkcfZX6MqJNbWvGKWOftSfAxm6mL4" />  
  
 <activity  
 android:name=".MapsActivity"  
 android:exported="true"  
 android:label="@string/title\_activity\_maps">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
 </application>  
  
</manifest>

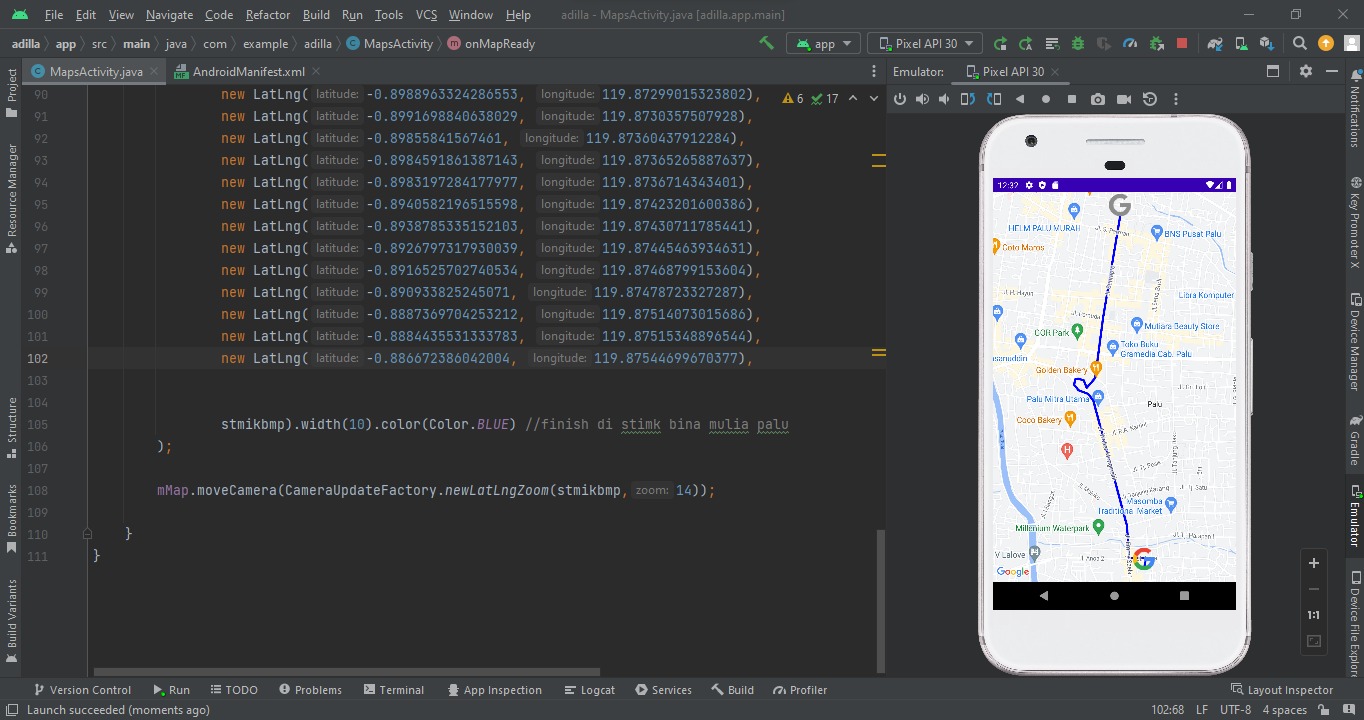
**Output**



**Coding Map Activity.Java**

package com.example.adilla;  
  
import androidx.fragment.app.FragmentActivity;  
  
import android.graphics.Bitmap;  
import android.graphics.Color;  
import android.graphics.drawable.BitmapDrawable;  
import android.os.Bundle;  
  
import com.google.android.gms.maps.CameraUpdateFactory;  
import com.google.android.gms.maps.GoogleMap;  
import com.google.android.gms.maps.OnMapReadyCallback;  
import com.google.android.gms.maps.SupportMapFragment;  
import com.google.android.gms.maps.model.BitmapDescriptorFactory;  
import com.google.android.gms.maps.model.LatLng;  
import com.google.android.gms.maps.model.MarkerOptions;  
import com.example.adilla.databinding.ActivityMapsBinding;  
import com.google.android.gms.maps.model.PolylineOptions;  
  
public class MapsActivity extends FragmentActivity implements OnMapReadyCallback {  
  
 private GoogleMap mMap;  
 private ActivityMapsBinding binding;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
  
 binding = ActivityMapsBinding.*inflate*(getLayoutInflater());  
 setContentView(binding.getRoot());  
  
 // Obtain the SupportMapFragment and get notified when the map is ready to be used.  
 SupportMapFragment mapFragment = (SupportMapFragment) getSupportFragmentManager()  
 .findFragmentById(R.id.*map*);  
 mapFragment.getMapAsync(this);  
 }  
  
 */\*\*  
 \* Manipulates the map once available.  
 \* This callback is triggered when the map is ready to be used.  
 \* This is where we can add markers or lines, add listeners or move the camera. In this case,  
 \* we just add a marker near Sydney, Australia.  
 \* If Google Play services is not installed on the device, the user will be prompted to install  
 \* it inside the SupportMapFragment. This method will only be triggered once the user has  
 \* installed Google Play services and returned to the app.  
 \*/* @Override  
 public void onMapReady(GoogleMap googleMap) {  
 mMap = googleMap;  
  
 // Add a marker in Sydney and move the camera  
 LatLng jlanoa = new LatLng(-0.9124217482756906, 119.87719599946213);  
 LatLng stmikbmp = new LatLng(-0.8867064854476653, 119.87546631308133);  
 //add marker  
 int tinggi = 100;  
 int lebar = 100;  
 BitmapDrawable bitmapStart = (BitmapDrawable)getResources().getDrawable(com.google.android.gms.base.R.drawable.*googleg\_standard\_color\_18*);  
 BitmapDrawable bitmapDes = (BitmapDrawable)getResources().getDrawable(com.google.android.gms.base.R.drawable.*googleg\_disabled\_color\_18*);  
 Bitmap s = bitmapStart.getBitmap();  
 Bitmap d = bitmapDes.getBitmap();  
 Bitmap markerStart = Bitmap.*createScaledBitmap*(s, lebar, tinggi, false);  
 Bitmap markerDes = Bitmap.*createScaledBitmap*(d, lebar, tinggi, false);  
  
 //add marker to map  
 mMap.addMarker(new MarkerOptions().position(jlanoa).title("Marker in jl anoa")  
 .snippet("ini lokasi tempat tinggal saya")  
 .icon(BitmapDescriptorFactory.*fromBitmap*(markerStart)));  
 mMap.addMarker(new MarkerOptions().position(stmikbmp).title("marker in stmikbmp")  
 .snippet("ini kampus saya")  
 .icon(BitmapDescriptorFactory.*fromBitmap*(markerDes)));  
  
 mMap.addPolyline(new PolylineOptions().add(  
 jlanoa,//jlanoa = start awal  
 new LatLng(-0.9122604683756571, 119.87714622318452),  
 new LatLng(-0.9122221968032601, 119.87727381127056),  
 new LatLng(-0.911520551237198, 119.87733760531354),  
 new LatLng(-0.9115333084305245, 119.87612551849644),  
 new LatLng(-0.9091604696941438, 119.87595965398461),  
 new LatLng(-0.9000926693925555, 119.873519098615),  
 new LatLng(-0.8996109903266827, 119.87314736340507),  
 new LatLng(-0.8994099746310337, 119.87272631639073),  
 new LatLng(-0.8993417051493766, 119.87244182515386),  
 new LatLng(-0.8993417051418577, 119.87244561838153),  
 new LatLng(-0.899174824181306, 119.87224457790748),  
 new LatLng(-0.8989358809745082, 119.87212319497974),  
 new LatLng(-0.898715901500442, 119.87211940176323),  
 new LatLng(-0.8985414350116029, 119.87221423217554),  
 new LatLng(-0.8985047780917198, 119.87242152490798),  
 new LatLng(-0.898622780773025, 119.87282653848268),  
 new LatLng(-0.8988963324286553, 119.87299015323802),  
 new LatLng(-0.8991698840638029, 119.8730357507928),  
 new LatLng(-0.89855841567461, 119.87360437912284),  
 new LatLng(-0.8984591861387143, 119.87365265887637),  
 new LatLng(-0.8983197284177977, 119.8736714343401),  
 new LatLng(-0.8940582196515598, 119.87423201600386),  
 new LatLng(-0.8938785335152103, 119.87430711785441),  
 new LatLng(-0.8926797317930039, 119.87445463934631),  
 new LatLng(-0.8916525702740534, 119.87468799153604),  
 new LatLng(-0.890933825245071, 119.87478723327287),  
 new LatLng(-0.8887369704253212, 119.87514073015686),  
 new LatLng(-0.8884435531333783, 119.87515348896544),  
 new LatLng(-0.886672386042004, 119.87544699670377),  
  
  
 stmikbmp).width(10).color(Color.*BLUE*) //finish di stimk bina mulia palu  
 );  
  
 mMap.moveCamera(CameraUpdateFactory.*newLatLngZoom*(stmikbmp,14));  
  
 }  
}

**Output**

****