**KATA PENGANTAR**

Allahamdulillah, segala puji dan syukur kami panjatkan kepada Allah Tuhan Yang Maha Esa, yang telah memberikan berkat, rahmat, dan hidayah-Nya kepada kita semua sehingga kita senantiasa mendapatkan nikmat sehat. Dan tak lupa shalawat serta salam senantiasa tercurah bagi nabi besar junjungan kita semua yang agung Nabi Muhammad SAW. Yang semoga senantiasa mendapatkan tempat yang terbaik di sisi Allah SWT. Aamiin.

Beberapa bulan yang lalu, kami siswa dan siswi kelas XII TKJ 4 ANDROID (RPL) SMK TUNAS HARAPAN PATI di beri tugas kelompok . Pada kesempatan ini , setelah membuat project, kami membuat laporan untukmemenuhi nilai tugas dari sekolah. Kami membuat laporan ini dengan tujuan agar dapat dibaca dan dipelajari oleh adik-adik kelas dan teman-teman yang ingin membacanya. Laporan ini kami buat sesederhana mungkin agar dapat dipelajari oleh para pembaca dengan lebih mudah . Kami juga berharap laporan ini akan menambah wawasan bagi pembaca. Semoga saja dapat menjadi inspirasi dan mampu memberikan banyak manfaat yang lain.

Demikianlah apa yang dapat kami sampaikan sebagai pengantar dalam laporan ini. Atas kekurangan yang ada di dalamnya, kami atas nama penyusun laporan memohon maaf yang sebesar-besarnya. Akhir kata kami ucapkan terimakasih. Semoga makalah ini bermanfaat bagi kita semua dan para pembaca. Semoga Allah SWT senantiasa memberikan kemudahan dan kelancaran kepada kita dalam menjalankan segala usaha dan kegiatan.

Pati, 1 Oktober 2020

Penyusun

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**BAB I**

**PENDAHULUAN**

LATAR BELAKANG

Sekarang ini kita memasuki Era Digital. Apapun yang kita lihat serba online dengan kemajuan teknologi yang begitu pesat . Dengan terciptanya gajet/internet kita dimudahkan dalam mengakses dunia digital. dengan contoh kita ingin menyampaikan keluh kesal dengan keadaan daerah jalanan/aspirasi, Dulu kita ingin menyampaikan pesan/aspirasi,melapor masih menggunakan surat terlihat kuno bukan??. karena itu kami membuat aplikasi monggo lapor ini yang memudahkan costumer untuk melapor dan menyampaikan aspirasi.

TUJUAN APLIKASI

Tujuan keberadaan aplikasi ini adalah untuk memudahkan masyarakat dalam menyampaikan keluh kesah ataupun aspirasi mereka secara lebih mudah dan lebih tepat sasaran . Dengan memanfaat kan kemajuan di Era sekarang ini kita membuat aplikasi yang mudah digunakan dengan memanfaatkan internet sebagai proses kerjanya.

**BAB II**

**ISI**

1. **MEMBUAT USER MOLOR**
2. **Membuat Project baru dengan memilih empty activity beri nama**

**MonggoLapor dan pilih bahasa pemrograman java**

1. **Mengganti kode kode pada values dan gradle**

* Buka res>values>color.xml

|  |
| --- |
| *<?*xml version="1.0" encoding="utf-8"*?>* <resources>  <color name="grey\_10">#e6e6e6</color>  <color name="grey\_40">#999999</color>  <color name="grey\_80">#37474F</color>  <color name="grey\_90">#37474F</color>  <color name="amber\_600">#263238</color>  <color name="colorNav">#D77A4F</color>  <color name="colorPrimary">#00D897</color>  <color name="colorPrimaryDark">#324741</color>  <color name="colorAccent">#423737</color>  <color name="link">#3553BC</color>  <color name="title">#fff</color>  <color name="backgroundAbout">#00FF3F</color>   <color name="alertPrimary">#cce5ff</color>  <color name="alertPrimaryFontColor">#004085</color>  <color name="alertSuccess">#d4edda</color>  <color name="alertSuccessFontColor">#155724</color>  <color name="alertDanger">#f8d7da</color>  <color name="alertDangerFontColor">#721c24</color>  <color name="alertWarning">#fff3cd</color>  <color name="alertWarningFontColor">#856404</color>  <color name="alertInfo">#d1ecf1</color>  <color name="alertInfoFontColor">#0c5460</color>  <color name="alertSecondary">#e2e3e5</color>  <color name="alertSecondaryFontColor">#383d41</color>   <color name="colorWhite">#ffffff</color>  <color name="colorPurple">#983CFF</color>  <color name="colorPurpleT">#64983cff</color>  <color name="colorBlue">#2FB4FF</color>  <color name="colorBlueT">#642fb4ff</color>  <color name="colorRed">#e13d5f</color>  <color name="colorGrey">#ebebeb</color>   <color name="btnPrimary">#007bff</color>  <color name="btnSecondary">#6c757d</color>  <color name="btnSuccess">#28a745</color>  <color name="btnDanger">#dc3545</color>  <color name="btnWarning">#ffc107</color>  <color name="btnInfo">#17a2b8</color> </resources> |

* Buka res>values>string.xml

|  |
| --- |
| <resources>  <string name="app\_name"></string>  <string name="lorem">Aplikasi ini di buat oleh team, pada tanggal 04/Agustus/2020, tujuan kami membuat aplikasi ini, Karena di krasidenan Pati aplikasi pelaporan masih belum ada jadi kami membuat aplikasi ini untuk memudahkan masyarakat  untuk melapor misalnya jalan yang rusak,fasilitas warga yang rusak dll. Di aplikasi ini memerlukan login agar admin tau siapa pengguna yang menggunakan aplikasi ini, di dalam aplikasi ini terdapat beberapa tampilan di dashboard. Lapor,event,feeds,pengembang.</string>  *<!-- TODO: Remove or change this placeholder text -->* <string name="hello\_blank\_fragment">Hello blank fragment</string>  <string name="navigation\_drawer\_open">Open navigation drawer</string>  <string name="navigation\_drawer\_close">Close navigation drawer</string>  <string name="drawer\_open">Open</string>  <string name="drawer\_close">Close</string>   <string-array name="gender">  <item>- Pilih Gender -</item>  <item>Laki-laki</item>  <item>Perempuan</item>  </string-array>   <string-array name="status">  <item>- Pilih Status -</item>  <item>Siswa/Mahasiswa</item>  <item>Kawin</item>  <item>Belum Kawin</item>  <item>Kawin Cerai</item>  </string-array> </resources> |

* Buka res>values>style.xml

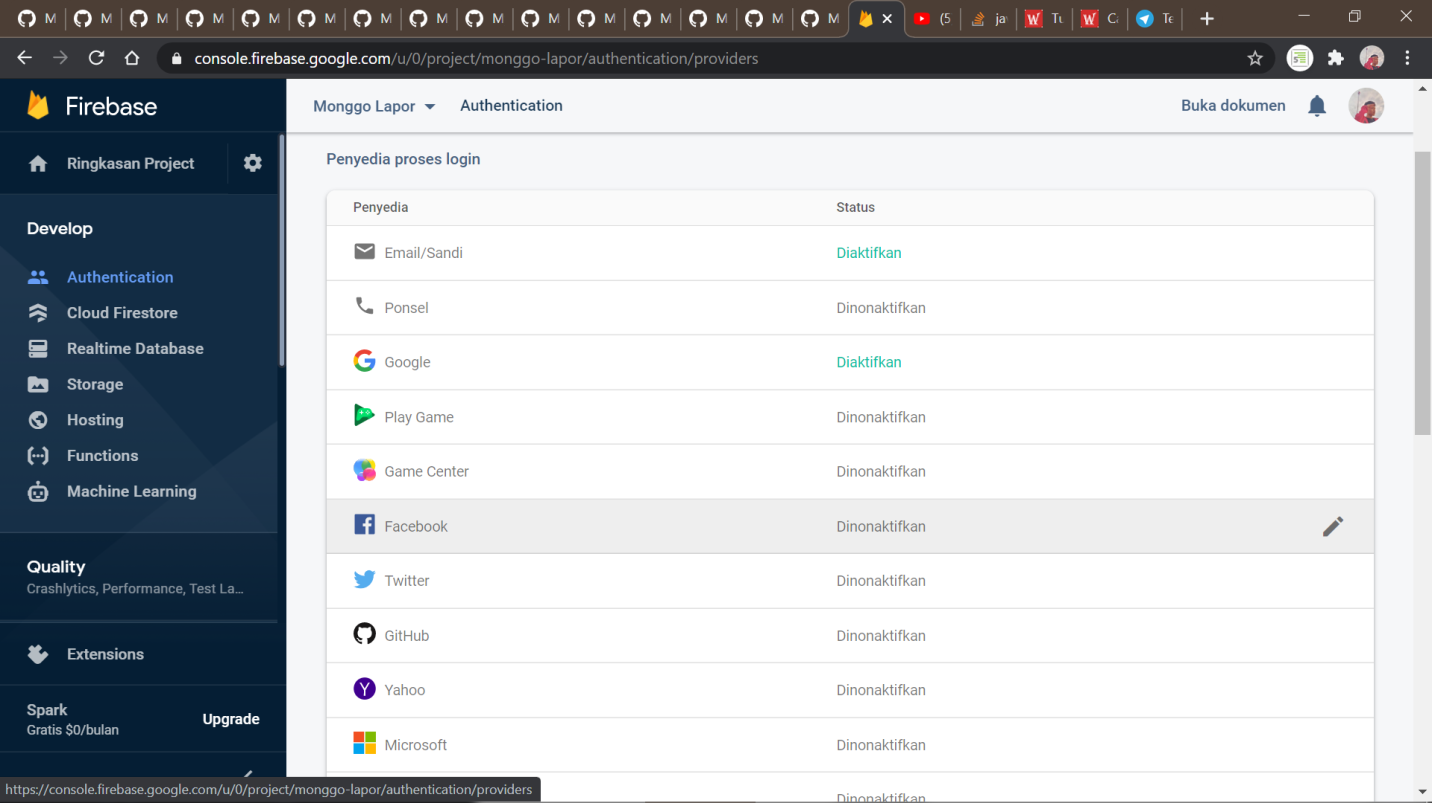
|  |
| --- |
| <resources>   <style name="AppTheme" parent="Theme.AppCompat.Light.NoActionBar">  *<!-- Customize your theme here. -->* <item name="colorPrimary">@color/colorPrimary</item>  <item name="colorPrimaryDark">@color/colorPrimaryDark</item>  <item name="colorAccent">@color/colorAccent</item>  <item name="android:windowContentTransitions">true</item>  <item name="windowActionBar">false</item>  <item name="windowNoTitle">true</item>  </style>   <style name="AppTheme.NoActionBar">  <item name="android:windowDrawsSystemBarBackgrounds">true</item>  <item name="android:statusBarColor">@android:color/transparent</item>  <item name="android:windowTranslucentStatus">true</item>  <item name="windowActionBar">false</item>  <item name="windowNoTitle">true</item>  </style> <style name="MyAppBarLayoutTheme" parent="@style/ThemeOverlay.AppCompat.Dark.ActionBar">  <item name="colorControlHighlight">#fff</item>  <item name="android:textColor">#fff</item>  </style>   <style name="AppTheme.AppBarOverlay" parent="ThemeOverlay.AppCompat.Dark.ActionBar" />   <style name="AppTheme.PopupOverlay" parent="ThemeOverlay.AppCompat.Light" />  </resources> |

* Buka Gradle Script>build.gradle(Module:Monggo\_Lapor.app)

|  |
| --- |
| apply plugin: 'com.android.application' apply plugin: 'com.google.gms.google-services' android {  compileSdkVersion 29  buildToolsVersion "29.0.3"   defaultConfig {  applicationId "com.example.monggolapor"  minSdkVersion 21  targetSdkVersion 29  versionCode 1  versionName "1.0"   testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"  }   buildTypes {  release {  minifyEnabled false  proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'), 'proguard-rules.pro'  }  } }  dependencies {  implementation fileTree(dir: "libs", include: ["\*.jar"])  implementation 'com.etebarian:meow-bottom-navigation-java:1.2.0'  implementation 'androidx.appcompat:appcompat:1.2.0'  implementation 'androidx.legacy:legacy-support-v4:1.0.0'  implementation 'com.itextpdf:itextg:5.5.10'  implementation 'androidx.constraintlayout:constraintlayout:1.1.3'  implementation 'androidx.cardview:cardview:1.0.0'  implementation 'com.mikhaellopez:circularimageview:3.2.0'  implementation 'com.google.firebase:firebase-auth:19.3.1'  implementation 'com.google.firebase:firebase-database:19.3.1'  implementation 'com.google.firebase:firebase-storage:19.1.1'  implementation 'com.google.firebase:firebase-messaging:21.0.0'  testImplementation 'junit:junit:4.12'  androidTestImplementation 'androidx.test.ext:junit:1.1.1'  androidTestImplementation 'androidx.test.espresso:espresso-core:3.2.0'  implementation 'androidx.recyclerview:recyclerview:1.0.0'  implementation 'com.google.android.material:material:1.0.0'  implementation 'com.google.android.gms:play-services-auth:18.1.0'  implementation 'com.github.bumptech.glide:glide:4.9.0'  implementation 'com.github.bumptech.glide:glide:4.7.1'  annotationProcessor 'com.github.bumptech.glide:compiler:4.7.1'  implementation 'com.squareup.retrofit2:retrofit:2.4.0'  implementation 'com.squareup.retrofit2:converter-gson:2.2.0'  implementation 'org.ocpsoft.prettytime:prettytime:4.0.1.Final'  implementation 'de.hdodenhof:circleimageview:3.1.0' } |

1. **Menyambungkan project dengan Firebase**

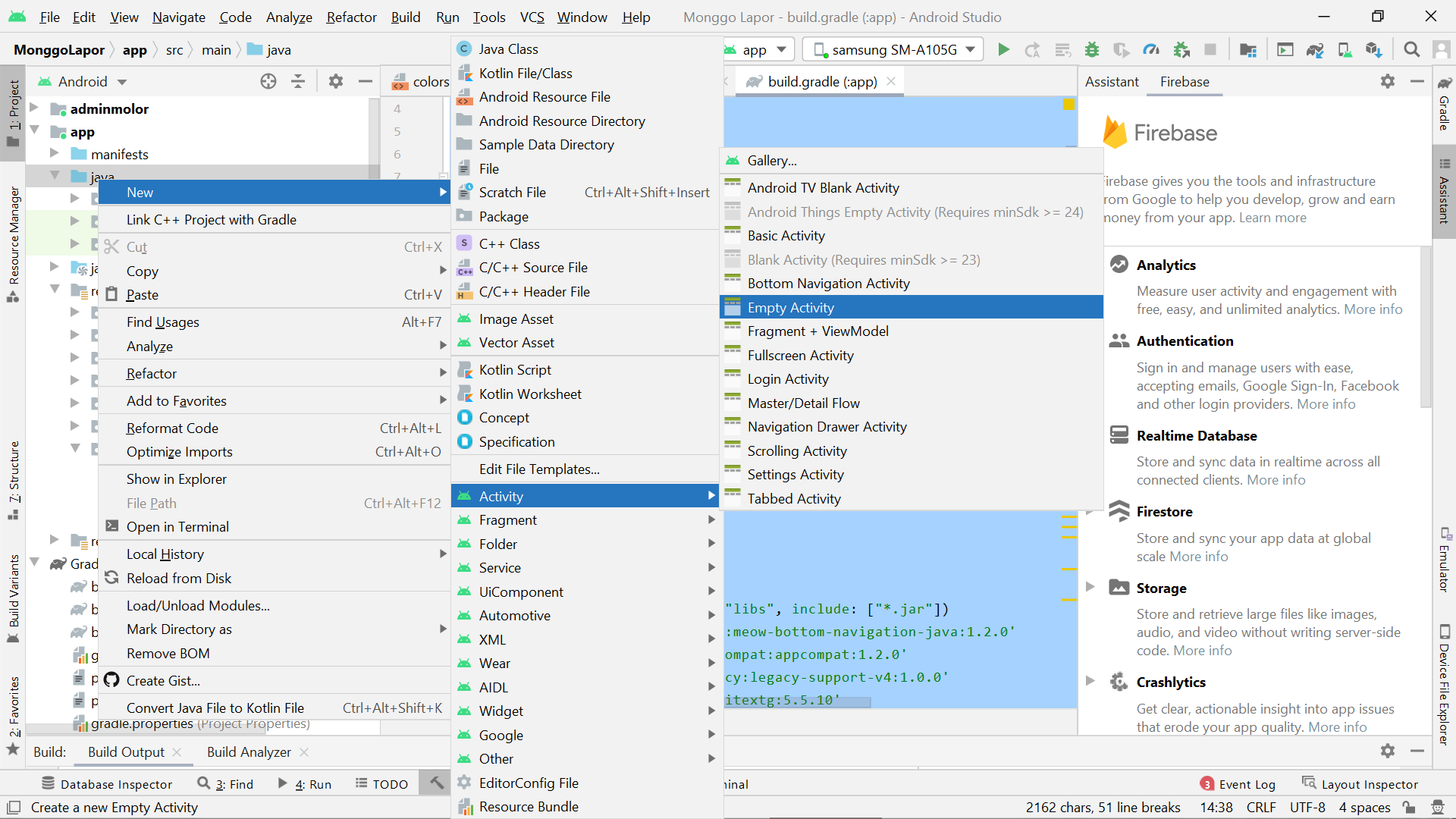
* Klik Tools >Firebase >Authentication >Connect
* Lanjut ke browser buat project baru sesuaikan nama dengan aplikasi di android studio lanjutkan sampai proses selesai , kemudian hubungkan dengan android studio
* Buka firebase console klik authentication > aktifkan email dan sandi



* Kembali ke android studio klik tools>firebase>Realtime Database > connect

1. **Membuat SplashScreen**

* Membuat activity baru
* Klik kanan java > new>Activity>Empty Activity , beri nama Slashscreen



* Buka res>layout>activity\_splashscreen.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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#1AF3E4AE"  tools:context=".splashscreen">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:orientation="vertical"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent">   <ImageView  android:id="@+id/circle1"  android:layout\_width="220dp"  android:layout\_height="220dp"  android:layout\_gravity="center\_horizontal"  android:layout\_marginTop="200dp"  android:layout\_marginBottom="50dp"  android:src="@drawable/logo1" />   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif"  android:gravity="center\_horizontal"  android:text="MOLOR"  android:textColor="#000"  android:textSize="40dp"  android:textStyle="bold" />   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="200dp"  android:fontFamily="sans-serif"  android:gravity="center\_horizontal"  android:text="Pengaduan Masyarakat Kabupaten Pati"  android:textColor="#000000"  android:textSize="18dp" />   </LinearLayout> </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java> splashscreen.java

|  |
| --- |
| package com.example.monggolapor;  import androidx.appcompat.app.AppCompatActivity; import android.content.Intent; import android.os.Bundle; import android.os.Handler; public class splashscreen extends AppCompatActivity {  private int waktu\_loading=1000;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_splashscreen*);  new Handler().postDelayed(new Runnable() {  @Override  public void run() {  Intent home = new  Intent(splashscreen.this,MainActivity.class);  startActivity(home);  finish();  }  },waktu\_loading);  } } |

1. **Membuat Register**

* Membuat Activity baru beri nama Register
* Buka res>layout>activity\_register.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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#ffffff"  tools:context="com.example.monggolapor.Register">   <TextView  android:id="@+id/textView4"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif"  android:text="Monggo Lapor"  android:textColor="#000"  android:textSize="25dp"  android:textStyle="bold"  app:layout\_constraintBottom\_toTopOf="@+id/textView3"  app:layout\_constraintEnd\_toStartOf="@+id/tvSignUp"  app:layout\_constraintHorizontal\_bias="0.333"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.252" />   <LinearLayout  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:orientation="vertical"  app:layout\_constraintBottom\_toTopOf="@+id/textView3"  app:layout\_constraintEnd\_toStartOf="@+id/tvSignUp"  app:layout\_constraintHorizontal\_bias="0.459"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView4"  app:layout\_constraintVertical\_bias="0.129">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif"  android:text="Memberikan informasi terbaru"  android:textColor="#000"  app:layout\_constraintBottom\_toTopOf="@+id/textView3"  app:layout\_constraintEnd\_toStartOf="@+id/tvSignUp"  app:layout\_constraintHorizontal\_bias="0.409"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView4"  app:layout\_constraintVertical\_bias="0.103" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif"  android:text="dan menarik untuk anda."  android:textColor="#000" />   </LinearLayout>   <TextView  android:id="@+id/textView3"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif"  android:padding="10dp"  android:text="DAFTAR"  android:textColor="#000"  android:textSize="20dp"  android:textStyle="bold"  app:layout\_constraintBottom\_toTopOf="@+id/rlayout"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.498"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.933" />   <TextView  android:id="@+id/tvSignUp"  android:layout\_width="110dp"  android:layout\_height="150dp"  android:layout\_alignParentEnd="true"  android:background="@drawable/human2"  android:gravity="center"  android:textSize="20sp"  android:textStyle="bold"  android:transitionName="tvLogin"  app:layout\_constraintBottom\_toTopOf="@+id/rlayout"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.852"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.276" />    <LinearLayout  android:id="@+id/rlayout"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.726">   <androidx.cardview.widget.CardView  android:id="@+id/cv"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_alignParentStart="true"  android:layout\_alignParentEnd="true"  android:layout\_alignParentBottom="true"  android:layout\_marginStart="0dp"  android:layout\_marginEnd="0dp"  android:layout\_marginBottom="18dp"  android:padding="20dp"  app:cardCornerRadius="10dp">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical"  android:paddingLeft="10dp"  android:paddingTop="10dp"  android:paddingRight="10dp"  android:paddingBottom="50dp">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_margin="10dp"  android:text="Username"  android:textColor="#19BD29"  android:textSize="14sp"  android:textStyle="bold" />   <EditText  android:id="@+id/username"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="10dp"  android:layout\_marginRight="10dp"  android:drawableLeft="@drawable/user"  android:inputType="text" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_margin="10dp"  android:text="Email"  android:textColor="#19BD29"  android:textSize="14sp"  android:textStyle="bold" />   <EditText  android:id="@+id/email"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="10dp"  android:layout\_marginRight="10dp"  android:drawableLeft="@drawable/mail"  android:inputType="textEmailAddress"  android:maxLength="50" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_margin="10dp"  android:text="Password"  android:textColor="#19BD29"  android:textSize="14sp"  android:textStyle="bold" />   <EditText  android:id="@+id/password"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="10dp"  android:layout\_marginRight="10dp"  android:drawableLeft="@drawable/phone"  android:inputType="textPassword" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_margin="10dp"  android:text="NIK"  android:textColor="#19BD29"  android:textSize="14sp"  android:textStyle="bold" />   <EditText  android:id="@+id/nik"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="10dp"  android:layout\_marginRight="10dp"  android:drawableLeft="@drawable/pen"  android:maxLength="16"  android:inputType="number" />  </LinearLayout>  </androidx.cardview.widget.CardView>   <RelativeLayout  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_below="@+id/cv"  android:layout\_alignLeft="@+id/cv"  android:layout\_alignRight="@+id/cv"  android:layout\_marginLeft="35dp"  android:layout\_marginTop="-30dp"  android:layout\_marginRight="35dp"  android:elevation="10dp">   <Button  android:id="@+id/btn\_regist"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:background="#30B800"  android:text="DAFTAR"  android:textAllCaps="false"  android:textColor="@color/colorWhite" />  </RelativeLayout>  </LinearLayout>   <ProgressBar  android:id="@+id/progressBar"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:indeterminateDrawable="@drawable/stylepb"  android:indeterminateDuration="@android:integer/config\_mediumAnimTime"  android:visibility="visible"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/rlayout" />  </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java> Register.java

|  |
| --- |
| package com.example.monggolapor;  import android.app.ProgressDialog; import android.content.Intent; import android.os.Bundle; import android.util.Log; import android.util.Patterns; import android.view.MenuItem; import android.view.View; import android.view.animation.Animation; import android.view.animation.AnimationUtils; import android.widget.Button; import android.widget.EditText; import android.widget.ProgressBar; import android.widget.RelativeLayout; import android.widget.Toast;  import androidx.annotation.NonNull; import androidx.appcompat.app.AppCompatActivity; import androidx.appcompat.widget.Toolbar;  import com.example.monggolapor.model.User; import com.google.android.gms.tasks.OnCompleteListener; import com.google.android.gms.tasks.Task; import com.google.firebase.auth.AuthResult; import com.google.firebase.auth.FirebaseAuth; import com.google.firebase.auth.FirebaseAuthUserCollisionException; import com.google.firebase.auth.FirebaseUser; import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase;  public class Register extends AppCompatActivity {   EditText edtUsername, edtPassword, edtEmail, edtNIK;  Button btnDaftar;  ProgressBar progressBar;  private FirebaseAuth mAuth;  private DatabaseReference Masyarakat;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.activity\_register);   edtUsername = findViewById(R.id.username);  edtEmail = findViewById(R.id.email);  edtPassword = findViewById(R.id.password);  edtNIK = findViewById(R.id.nik);  btnDaftar = findViewById(R.id.btn\_regist);  progressBar = findViewById(R.id.progressBar);  mAuth = FirebaseAuth.getInstance();  progressBar.setVisibility(View.GONE);   btnDaftar.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  registerUser();  }  });   }   private void registerUser() {  final String username = edtUsername.getText().toString().trim();  final String email = edtEmail.getText().toString().trim();  final String pass = edtPassword.getText().toString().trim();  final String nik = edtNIK.getText().toString().trim();   if (username.isEmpty()){  edtUsername.setError("Isikan nama lengkap anda!");  edtUsername.requestFocus();  return;  }  if (email.isEmpty()){  edtEmail.setError("Isikan email anda");  edtEmail.requestFocus();  return;  }  if (!Patterns.EMAIL\_ADDRESS.matcher(email).matches()){  edtEmail.setError("Isikan email yang valid");  edtEmail.requestFocus();  return;  }  if (pass.isEmpty()){  edtPassword.setError("Isikan password!");  edtPassword.requestFocus();  return;  }  if (pass.length()<6){  edtPassword.setError("Isikan password minimal 6 huruf");  edtPassword.requestFocus();  return;  }  if (nik.isEmpty()){  edtNIK.setError("Isikan NIK anda!");  edtNIK.requestFocus();  return;  }  progressBar.setVisibility(View.VISIBLE);  mAuth.createUserWithEmailAndPassword(email, pass).addOnCompleteListener(new OnCompleteListener<AuthResult>() {  @Override  public void onComplete(@NonNull Task<AuthResult> task) {  if (task.isSuccessful()){  User user = new User(username, email, pass, nik);   FirebaseDatabase.getInstance().getReference("user")  .child(FirebaseAuth.getInstance().getCurrentUser().getUid())  .setValue(user).addOnCompleteListener(new OnCompleteListener<Void>() {  @Override  public void onComplete(@NonNull Task<Void> task) {  FirebaseUser User = mAuth.getCurrentUser();  progressBar.setVisibility(View.GONE);  if (task.isSuccessful()){  Intent intent = new Intent(Register.this, isi.class);  startActivity(intent);  Toast.makeText(getApplicationContext(), "Registrasi Berhasil", Toast.LENGTH\_SHORT).show();  User.sendEmailVerification().addOnCompleteListener(new OnCompleteListener<Void>() {  @Override  public void onComplete(@NonNull Task<Void> task) {   }  });  } else {  if (task.getException() instanceof FirebaseAuthUserCollisionException){  Toast.makeText(getApplicationContext(), "Anda telah terdaftar", Toast.LENGTH\_SHORT).show();  } else {  Toast.makeText(getApplicationContext(), task.getException().getMessage(), Toast.LENGTH\_SHORT).show();  }  }  }  });  } else {  Toast.makeText(getApplicationContext(), task.getException().getMessage(), Toast.LENGTH\_SHORT).show();  Log.d("tag", task.getException().getMessage());  }  }  });  }   @Override  protected void onStart() {  super.onStart();  if (mAuth.getCurrentUser() != null){  Intent intent = new Intent(this, isi.class);  Toast.makeText(getApplicationContext(), "Anda telah login", Toast.LENGTH\_SHORT).show();  startActivity(intent);  finish();  }  } } |

1. Membuat Login

* Buka res>layout>activity\_main.xml

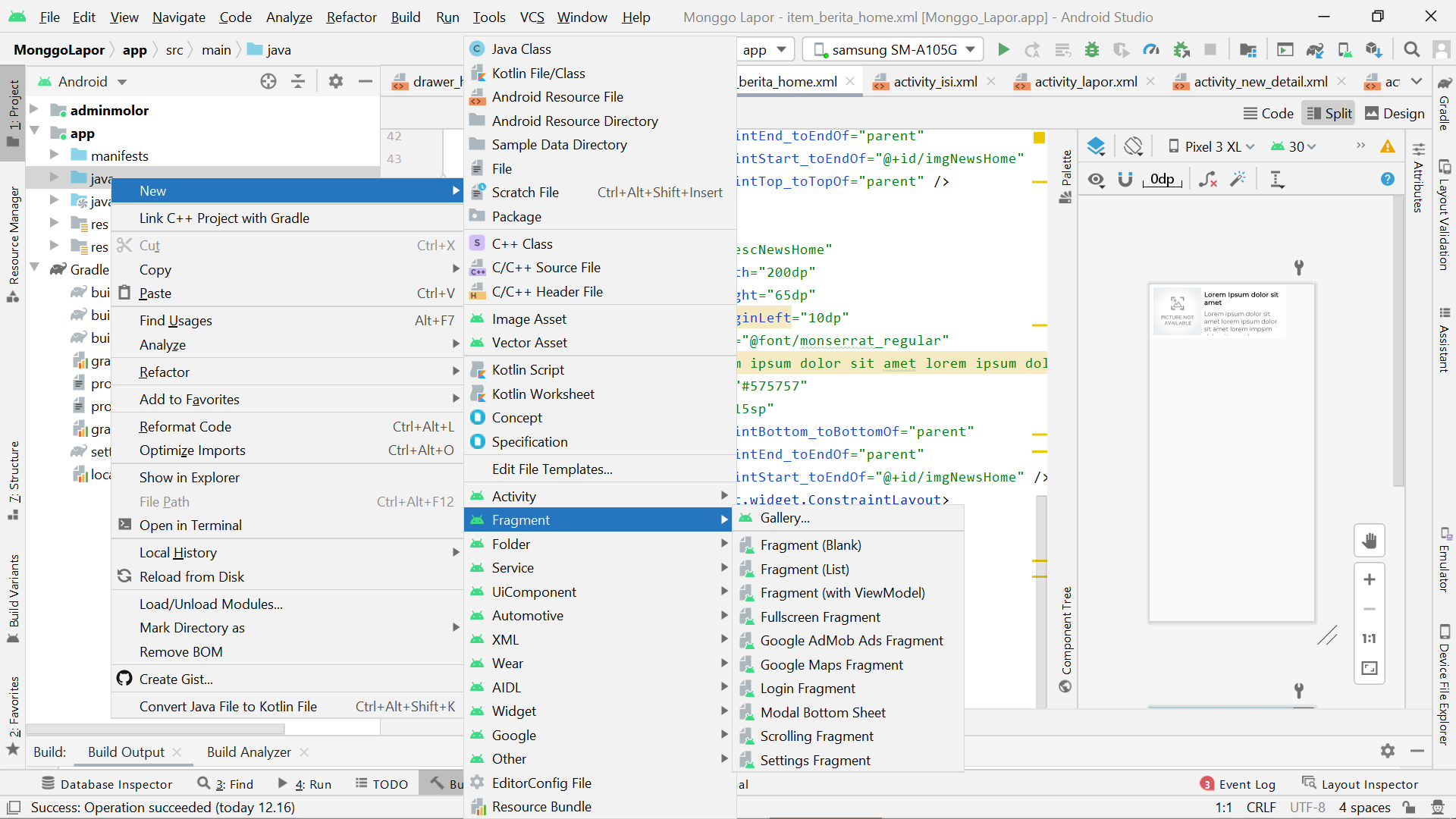
|  |
| --- |
| *<?*xml version="1.0" encoding="utf-8"*?>* <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:app="http://schemas.android.com/apk/res-auto"  xmlns:tools="http://schemas.android.com/tools"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  tools:context="com.example.monggolapor.MainActivity"  tools:ignore="VectorDrawableCompat">    <TextView  android:id="@+id/tvLogin"  android:layout\_width="120dp"  android:layout\_height="140dp"  android:layout\_marginStart="28dp"  android:background="@drawable/human1"  android:textColor="@color/colorWhite"  android:textSize="30sp"  android:textStyle="bold"  android:transitionName="tvLogin"  app:layout\_constraintBottom\_toTopOf="@+id/relativeLayout4"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.267" />   <TextView  android:id="@+id/textView5"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif"  android:text="Monggo Lapor"  android:textColor="#000"  android:textSize="25dp"  android:textStyle="bold"  app:layout\_constraintBottom\_toTopOf="@+id/relativeLayout4"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.316"  app:layout\_constraintStart\_toEndOf="@+id/tvLogin"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.145" />    <LinearLayout  android:id="@+id/linearLayout2"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="16dp"  android:orientation="vertical"  app:layout\_constraintBottom\_toTopOf="@+id/textView7"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.382"  app:layout\_constraintStart\_toEndOf="@+id/tvLogin"  app:layout\_constraintTop\_toBottomOf="@+id/textView5"  app:layout\_constraintVertical\_bias="0.0"  tools:ignore="MissingConstraints">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif"  android:text="Siap menerima Laporan anda"  android:textColor="#000" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif"  android:text="dimana dan kapan saja."  android:textColor="#000" />  </LinearLayout>   <TextView  android:id="@+id/textView7"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif"  android:text="MASUK"  android:textColor="#000"  android:textSize="20dp"  android:textStyle="bold"  app:layout\_constraintBottom\_toTopOf="@+id/relativeLayout4"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.883" />   <RelativeLayout  android:id="@+id/relativeLayout4"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_margin="10dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintTop\_toTopOf="parent">   <androidx.cardview.widget.CardView  android:id="@+id/cv"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center"  android:layout\_marginStart="20dp"  android:layout\_marginEnd="20dp"  android:layout\_marginBottom="20dp"  app:cardCornerRadius="10dp"  app:cardElevation="4dp">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical"  android:paddingBottom="50dp">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_gravity="center"  android:layout\_margin="10dp"  android:text="Email"  android:textColor="#19BD29"  android:textSize="14sp"  android:textStyle="bold" />   <EditText  android:id="@+id/email"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="10dp"  android:layout\_marginRight="10dp"  android:drawableLeft="@drawable/mail"  android:hint="Email"  android:inputType="textEmailAddress"  android:textColorHint="#170C0C0C" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_gravity="center"  android:layout\_margin="10dp"  android:text="Password"  android:textColor="#19BD29"  android:textSize="14sp"  android:textStyle="bold" />   <EditText  android:id="@+id/password"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="10dp"  android:layout\_marginRight="10dp"  android:drawableLeft="@drawable/pen"  android:hint="Password"  android:inputType="textPassword"  android:textColorHint="#170C0C0C" />    </LinearLayout>   </androidx.cardview.widget.CardView>   <RelativeLayout  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_below="@+id/cv"  android:layout\_alignLeft="@+id/cv"  android:layout\_alignRight="@+id/cv"  android:layout\_marginLeft="35dp"  android:layout\_marginTop="-50dp"  android:layout\_marginRight="35dp"  android:elevation="10dp">   <Button  android:id="@+id/masuk"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:background="#30B800"  android:text="Masuk"  android:textAllCaps="false"  android:textColor="@color/colorWhite" />  <Button  android:id="@+id/btRegister"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="65dp"  android:background="#30B800"  android:text="Daftar"  android:textAllCaps="false"  android:textColor="@color/colorWhite" />  </RelativeLayout>  </RelativeLayout>  <ProgressBar  android:id="@+id/progressBar"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:indeterminateDrawable="@drawable/stylepb"  android:indeterminateDuration="@android:integer/config\_mediumAnimTime"  android:visibility="visible"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/relativeLayout4"  app:layout\_constraintVertical\_bias="0.511" />  </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java>MainActivity.java

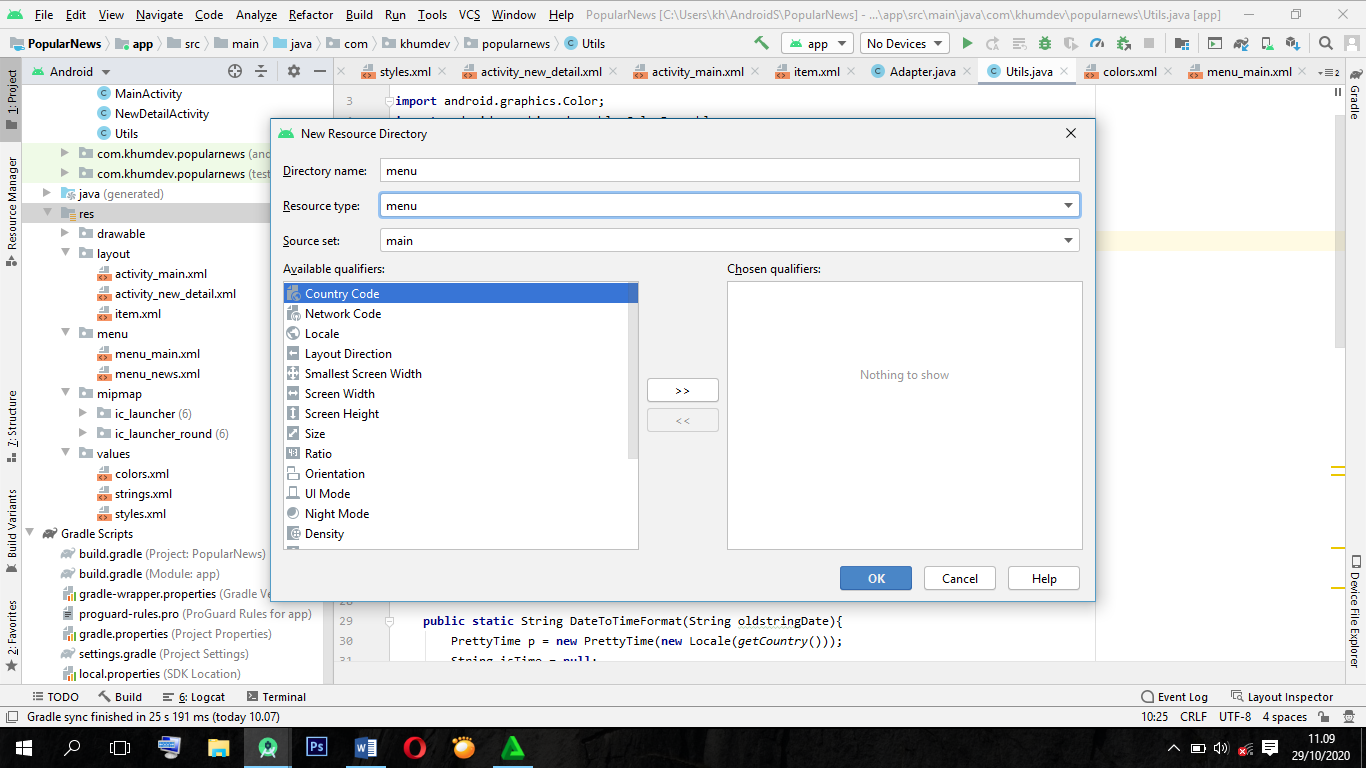
|  |
| --- |
| package com.example.monggolapor;  import android.app.ActivityOptions; import android.app.ProgressDialog; import android.content.Intent; import android.os.Build; import android.os.Bundle; import androidx.annotation.NonNull; import androidx.annotation.Nullable; import androidx.annotation.RequiresApi; import androidx.appcompat.app.AppCompatActivity; import androidx.core.app.NotificationCompat; import android.util.Pair; import android.util.Patterns; import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.ImageButton; import android.widget.ImageView; import android.widget.ProgressBar; import android.widget.TextView; import android.widget.Toast;  import com.google.android.gms.auth.api.signin.GoogleSignIn; import com.google.android.gms.auth.api.signin.GoogleSignInAccount; import com.google.android.gms.auth.api.signin.GoogleSignInClient; import com.google.android.gms.auth.api.signin.GoogleSignInOptions; import com.google.android.gms.common.api.ApiException; import com.google.android.gms.tasks.OnCompleteListener; import com.google.android.gms.tasks.Task; import com.google.firebase.auth.AuthCredential; import com.google.firebase.auth.AuthResult; import com.google.firebase.auth.FirebaseAuth; import com.google.firebase.auth.FirebaseUser; import com.google.firebase.auth.GoogleAuthProvider;   public class MainActivity extends AppCompatActivity {   EditText edtEmail, edtPass;  Button btnLogin, btnDaftar;  ProgressBar progressBar;  FirebaseAuth mAuth;    @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_main*);   edtEmail = findViewById(R.id.*email*);  edtPass = findViewById(R.id.*password*);  btnDaftar = findViewById(R.id.*btRegister*);  btnLogin = findViewById(R.id.*masuk*);  progressBar = findViewById(R.id.*progressBar*);  progressBar.setVisibility(View.*GONE*);  mAuth = FirebaseAuth.*getInstance*();   btnLogin.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  loginUser();  }  });   btnDaftar.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  Intent intent = new Intent(getApplicationContext(), Register.class);  startActivity(intent);  }  });  }   private void loginUser() {  final String Email = edtEmail.getText().toString().trim();  String pass = edtPass.getText().toString().trim();   if (Email.isEmpty()){  edtEmail.setError("Email perlu diisi!");  edtEmail.requestFocus();  return;  }  if (!Patterns.*EMAIL\_ADDRESS*.matcher(Email).matches()){  edtEmail.setError("Format email salah!");  edtEmail.requestFocus();  return;  }  if (pass.isEmpty()){  edtPass.setError("Password perlu diisi!");  edtPass.requestFocus();  return;  }  progressBar.setVisibility(View.*VISIBLE*);  mAuth.signInWithEmailAndPassword(Email, pass).addOnCompleteListener(new OnCompleteListener<AuthResult>() {  @Override  public void onComplete(@NonNull Task<AuthResult> task) {  progressBar.setVisibility(View.*GONE*);  FirebaseUser User = mAuth.getCurrentUser();   if (task.isSuccessful()){  Toast.*makeText*(getApplicationContext(), "Login Berhasil", Toast.*LENGTH\_SHORT*).show();  Intent intent = new Intent(getApplicationContext(), isi.class);  intent.addFlags(Intent.*FLAG\_ACTIVITY\_CLEAR\_TOP*);  startActivity(intent);  finish();  } else {  Toast.*makeText*(getApplicationContext(), "Akun Belum terdaftar", Toast.*LENGTH\_SHORT*).show();  }  }  });  }   @Override  protected void onStart() {  super.onStart();  if (mAuth.getCurrentUser() != null){  Intent intent = new Intent(this, isi.class);  Toast.*makeText*(getApplicationContext(), "Anda sudah login", Toast.*LENGTH\_SHORT*).show();  startActivity(intent);  finish();  }  } } |

1. Membuat Fragment

* Klik kanan java > new>package> beri nama fragment
* Klik kanan fragment > new > Fragment >Fragment(blank)



* Buat 3 kali beri nama HomeFragment , BeritaFragment , AboutFragment
* Pada res >klik kanan>new>Android Resource Directory > pilih menu



* Klik kana menu > new > Menu Resoucre File> beri nama bottom\_nav\_menu

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| --- |
| *<?*xml version="1.0" encoding="utf-8"*?>* <menu xmlns:android="http://schemas.android.com/apk/res/android">   <item  android:id="@+id/navigation\_home"  android:icon="@drawable/home"  android:title="Home" />  <item  android:id="@+id/navigation\_news"  android:icon="@drawable/ic\_baseline\_trending\_up\_24"  android:title="Berita" />  <item  android:id="@+id/navigation\_about"  android:icon="@drawable/about"  android:title="About" /> </menu> |

**Membuat HomeFragment**

* Buka res>layout>fragment\_home.xml

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| --- |
| *<?*xml version="1.0" encoding="utf-8"*?>* <androidx.constraintlayout.widget.ConstraintLayout 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"  xmlns:app="http://schemas.android.com/apk/res-auto"  tools:context=".fragment.HomeFragment"  android:background="@drawable/bgnew">  <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:orientation="vertical"  android:layout\_marginTop="50dp">  <ImageView  android:id="@+id/imageView"  android:layout\_width="150dp"  android:layout\_marginTop="50dp"  android:layout\_height="150dp"  android:layout\_gravity="center\_horizontal"  android:src="@drawable/logo2"></ImageView>  <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:orientation="vertical"  android:layout\_marginTop="50dp">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="horizontal"/>   <androidx.cardview.widget.CardView  android:layout\_width="300dp"  android:layout\_height="100dp"  app:cardBackgroundColor="@android:color/transparent"  app:cardElevation="2dp"  app:cardCornerRadius="8dp"  android:layout\_gravity="center\_horizontal">  <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="horizontal"  android:layout\_marginTop="10dp">   <ImageView  android:id="@+id/jalan"  android:layout\_width="120dp"  android:padding="5dp"  android:layout\_height="85dp"  android:layout\_alignParentRight="true"  android:layout\_alignParentBottom="true"  android:src="@drawable/lapor\_1" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_centerHorizontal="true"  android:layout\_gravity="center"  android:text="LAPORAN"  android:textColor="@color/colorWhite"  android:textSize="20dp" />    </LinearLayout>  </androidx.cardview.widget.CardView>    <androidx.cardview.widget.CardView  android:layout\_width="300dp"  android:layout\_height="100dp"  android:layout\_gravity="center\_horizontal"  android:layout\_marginTop="25dp"  app:cardBackgroundColor="@android:color/transparent"  app:cardCornerRadius="8dp"  app:cardElevation="2dp">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="10dp"  android:orientation="horizontal">   <ImageView  android:id="@+id/aspirasii"  android:layout\_width="120dp"  android:padding="5dp"  android:layout\_height="85dp"  android:layout\_alignParentRight="true"  android:layout\_alignParentBottom="true"  android:src="@drawable/aspirasi" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_centerHorizontal="true"  android:layout\_gravity="center"  android:text="ASPIRASI"  android:textColor="@color/colorWhite"  android:textSize="20dp" />   </LinearLayout>  </androidx.cardview.widget.CardView>   <androidx.cardview.widget.CardView  android:layout\_width="300dp"  android:layout\_height="100dp"  app:cardBackgroundColor="@android:color/transparent"  app:cardElevation="2dp"  app:cardCornerRadius="10dp"  android:layout\_marginTop="25dp"  android:layout\_gravity="center\_horizontal">  <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="horizontal"  android:layout\_marginTop="10dp">   <ImageView  android:layout\_width="120dp"  android:layout\_height="85dp"  android:padding="5dp"  android:id="@+id/feeds"  android:src="@drawable/pengumuman"  android:layout\_alignParentRight="true"  android:layout\_alignParentBottom="true" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_centerHorizontal="true"  android:layout\_gravity="center"  android:text="PENGUMUMAN"  android:textColor="@color/colorWhite"  android:textSize="20dp" />   </LinearLayout>  </androidx.cardview.widget.CardView>   </LinearLayout>  </LinearLayout> </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java>fragment>HomeFragment.java

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| --- |
| package com.example.monggolapor.fragment;  import android.content.Intent; import android.os.Bundle;  import androidx.fragment.app.Fragment;  import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup; import android.view.animation.Animation; import android.view.animation.AnimationUtils; import android.widget.ImageView;  import com.example.monggolapor.DetailPengumuman; import com.example.monggolapor.R; import com.example.monggolapor.aspirasi; import com.example.monggolapor.lapor;  public class HomeFragment extends Fragment {   Animation leftAnim, building\_animation, awan;  ImageView cloud1, building, cloud2;  private ImageView pndhlpr, pndhasprs, pndhevnt;   public HomeFragment() {  *// Required empty public constructor* }   @Override  public View onCreateView(LayoutInflater inflater, ViewGroup container,  Bundle savedInstanceState) {  *// Inflate the layout for this fragment* View v = inflater.inflate(R.layout.*fragment\_home*, container, false);pndhlpr = v.findViewById(R.id.*jalan*);  pndhasprs = v.findViewById(R.id.*aspirasii*);  pndhevnt = v.findViewById(R.id.*feeds*);   pndhlpr.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  startActivity(new Intent(getContext(), lapor.class)  .putExtra("id", "")  .putExtra("subject", "")  .putExtra("judul", "")  .putExtra("laporan", "")  .putExtra("img", ""));  }   });   pndhasprs.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  startActivity(new Intent(getContext(), aspirasi.class)  .putExtra("id", "")  .putExtra("dari", "")  .putExtra("kepada", "")  .putExtra("aspirasi", "")  .putExtra("img", ""));  }  });   pndhevnt.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  startActivity(new Intent(getContext(), DetailPengumuman.class)  .putExtra("id", "")  .putExtra("pengirim", "")  .putExtra("topik", "")  .putExtra("informasi", "")  .putExtra("ditujukan", "")  .putExtra("image", ""));  }  });   return v;  } } |

**Membuat AboutFragment**

* Buka res>layout>fragment\_about.xml

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| *<?*xml 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:background="#71854D"  android:orientation="vertical"  tools:context=".MainActivity">    <androidx.core.widget.NestedScrollView  android:id="@+id/nested\_scroll\_view"  android:layout\_width="match\_parent"  android:layout\_marginTop="50dp"  android:layout\_height="match\_parent"  android:scrollbars="none">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical"  android:background="#DDF1B9"  android:padding="10dp">   <androidx.cardview.widget.CardView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  app:cardCornerRadius="2dp"  app:cardElevation="2dp"  app:cardUseCompatPadding="true">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical"  android:paddingBottom="10dp"  android:paddingTop="10dp"  android:background="#DDF1B9">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginBottom="10dp"  android:layout\_marginTop="10dp"  android:gravity="center\_vertical"  android:minHeight="50dp"  android:orientation="horizontal"  android:paddingLeft="5dp"  android:paddingRight="5dp">   <View  android:layout\_width="15dp"  android:layout\_height="wrap\_content"/>   <ImageView  android:layout\_width="50dp"  android:layout\_height="50dp"  android:src="@mipmap/ic\_launcher"  android:tint="@color/colorPrimary"/>   <View  android:layout\_width="15dp"  android:layout\_height="wrap\_content"/>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Tentang Aplikasi"  android:textAppearance="@style/TextAppearance.AppCompat.Title"  android:textColor="@color/grey\_80" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="tempekerin@gmail.com"  android:textAppearance="@style/TextAppearance.AppCompat.Caption"  android:textColor="@color/grey\_40" />   </LinearLayout>   </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:background="?attr/selectableItemBackground"  android:clickable="true"  android:gravity="center\_vertical"  android:minHeight="50dp"  android:orientation="horizontal"  android:paddingLeft="5dp"  android:paddingRight="5dp">   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>    <ImageButton  android:layout\_width="40dp"  android:layout\_height="40dp"  android:background="@android:color/transparent"  android:tint="@color/grey\_40"  android:src="@drawable/ic\_info"/>   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Version"  android:textAppearance="@style/TextAppearance.AppCompat.Subhead"  android:textColor="@color/grey\_80"  android:fontFamily="sans-serif-medium"/>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="4.2"  android:textAppearance="@style/TextAppearance.AppCompat.Caption"  android:textColor="@color/grey\_40"/>   </LinearLayout>   </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:background="?attr/selectableItemBackground"  android:clickable="true"  android:gravity="center\_vertical"  android:minHeight="50dp"  android:orientation="horizontal"  android:paddingLeft="5dp"  android:paddingRight="5dp">   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <ImageButton  android:layout\_width="40dp"  android:layout\_height="40dp"  android:background="@android:color/transparent"  android:tint="@color/grey\_40"  android:src="@drawable/ic\_sync"/>   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Change Log"  android:textAppearance="@style/TextAppearance.AppCompat.Subhead"  android:textColor="@color/grey\_80"/>   </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:background="?attr/selectableItemBackground"  android:clickable="true"  android:gravity="center\_vertical"  android:minHeight="50dp"  android:orientation="horizontal"  android:paddingLeft="5dp"  android:paddingRight="5dp">   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <ImageButton  android:layout\_width="40dp"  android:layout\_height="40dp"  android:background="@android:color/transparent"  android:tint="@color/grey\_40"  android:src="@drawable/ic\_book"/>   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Licensi"  android:textAppearance="@style/TextAppearance.AppCompat.Subhead"  android:textColor="@color/grey\_80"/>   </LinearLayout>     </LinearLayout>    </androidx.cardview.widget.CardView>   <View  android:layout\_width="0dp"  android:layout\_height="10dp"/>   <androidx.cardview.widget.CardView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:visibility="visible"  app:cardCornerRadius="2dp"  app:cardElevation="2dp"  app:cardUseCompatPadding="true">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical"  android:background="#DDF1B9"  android:paddingBottom="10dp"  android:paddingTop="10dp">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginBottom="10dp"  android:layout\_marginLeft="20dp"  android:layout\_marginRight="20dp"  android:layout\_marginTop="10dp"  android:text="Author"  android:textAppearance="@style/TextAppearance.AppCompat.Subhead"  android:textColor="@color/grey\_90"  android:fontFamily="sans-serif-medium"/>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:background="?attr/selectableItemBackground"  android:clickable="true"  android:gravity="center\_vertical"  android:minHeight="50dp"  android:orientation="horizontal"   android:paddingLeft="5dp"  android:paddingRight="5dp">   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <ImageButton  android:layout\_width="40dp"  android:layout\_height="40dp"  android:background="@android:color/transparent"  android:tint="@color/grey\_40"  android:src="@drawable/ic\_person"/>   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif-medium"  android:text="TIM MOLOR"  android:textAppearance="@style/TextAppearance.AppCompat.Subhead"  android:textColor="@color/grey\_80" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Indonesia"  android:textAppearance="@style/TextAppearance.AppCompat.Caption"  android:textColor="@color/grey\_40"/>   </LinearLayout>   </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:id="@+id/dev"  android:layout\_height="wrap\_content"  android:background="?attr/selectableItemBackground"  android:clickable="true"  android:gravity="center\_vertical"  android:minHeight="50dp"  android:orientation="horizontal"  android:paddingLeft="5dp"  android:paddingRight="5dp">   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <ImageView  android:id="@+id/devv"  android:layout\_width="40dp"  android:layout\_height="40dp"  android:background="@android:color/transparent"  android:tint="@color/grey\_40"  android:src="@drawable/grup"/>   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Developer View"  android:textAppearance="@style/TextAppearance.AppCompat.Subhead"  android:textColor="@color/grey\_80"/>    </LinearLayout>    </LinearLayout>    </androidx.cardview.widget.CardView>    <androidx.cardview.widget.CardView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:visibility="visible"  app:cardCornerRadius="2dp"  app:cardElevation="2dp"  app:cardUseCompatPadding="true">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical"  android:paddingBottom="10dp"  android:paddingTop="10dp">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginBottom="10dp"  android:layout\_marginLeft="20dp"  android:layout\_marginRight="20dp"  android:layout\_marginTop="10dp"  android:text="Company"  android:textAppearance="@style/TextAppearance.AppCompat.Subhead"  android:textColor="@color/grey\_90"  android:fontFamily="sans-serif-medium"/>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:background="?attr/selectableItemBackground"  android:clickable="true"  android:gravity="center\_vertical"  android:minHeight="50dp"  android:orientation="horizontal"  android:paddingLeft="5dp"  android:paddingRight="5dp">   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <ImageButton  android:layout\_width="40dp"  android:layout\_height="40dp"  android:background="@android:color/transparent"  android:tint="@color/grey\_40"  android:src="@drawable/ic\_bussines"/>   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif-medium"  android:text="SMKTH PATI"  android:textAppearance="@style/TextAppearance.AppCompat.Subhead"  android:textColor="@color/grey\_80" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Android App Specialist"  android:textAppearance="@style/TextAppearance.AppCompat.Caption"  android:textColor="@color/grey\_40"/>   </LinearLayout>    </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:background="?attr/selectableItemBackground"  android:clickable="true"  android:gravity="center\_vertical"  android:minHeight="50dp"  android:orientation="horizontal"  android:paddingLeft="5dp"  android:paddingRight="5dp">   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <ImageButton  android:layout\_width="40dp"  android:layout\_height="40dp"  android:background="@android:color/transparent"  android:tint="@color/grey\_40"  android:src="@drawable/ic\_location"/>   <View  android:layout\_width="20dp"  android:layout\_height="wrap\_content"/>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Jalan Pati Tayu"  android:textAppearance="@style/TextAppearance.AppCompat.Subhead"  android:textColor="@color/grey\_80" />   </LinearLayout>    </LinearLayout>   </androidx.cardview.widget.CardView>    </LinearLayout>    </androidx.core.widget.NestedScrollView>    </LinearLayout> |

* Buka java>fragment>AboutFragment.java

|  |
| --- |
| package com.example.monggolapor.fragment;  import android.content.Intent; import android.os.Bundle;  import androidx.fragment.app.Fragment;  import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup; import android.widget.ImageView; import android.widget.LinearLayout; import android.widget.ViewFlipper;  import com.example.monggolapor.R; import com.example.monggolapor.aboutt; import com.example.monggolapor.lapor;  public class AboutFragment extends Fragment {   ViewFlipper v\_flipper;  ImageView devv;   LinearLayout ll;  @Override  public View onCreateView(LayoutInflater inflater, ViewGroup container,  Bundle savedInstanceState) {  *// Inflate the layout for this fragment* View view = inflater.inflate(R.layout.*fragment\_about*, container, false);   devv = view.findViewById(R.id.*devv*);   devv.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  Intent intent = new Intent(getContext(), aboutt.class);  startActivity(intent);  }  });   return view;  } } |

**Membuat BeritaFragment**

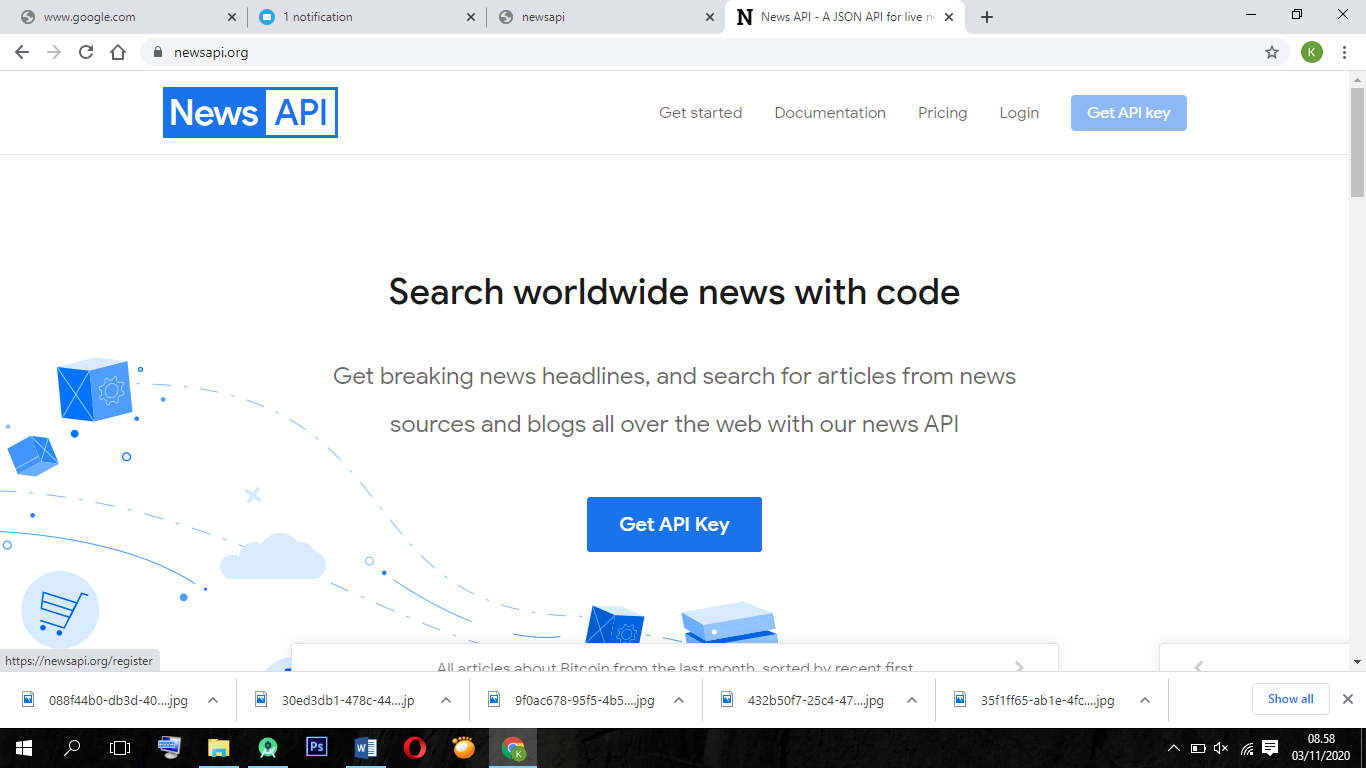
* Buka res>layout>fragment\_berita.xml

|  |
| --- |
| *<?*xml version="1.0" encoding="utf-8"*?>* <androidx.coordinatorlayout.widget.CoordinatorLayout 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:background="#ebebeb"  android:theme="@style/Theme.AppCompat.DayNight.DarkActionBar">   <androidx.swiperefreshlayout.widget.SwipeRefreshLayout  android:id="@+id/swipe\_refresh\_layout"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:layout\_marginTop="50dp"  android:background="#ebebeb">   <androidx.core.widget.NestedScrollView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="16dp"  android:layout\_marginTop="10dp"  android:layout\_marginRight="16dp"  android:fontFamily="@font/monserrat\_medium"  android:text="Berita untukmu"  android:textColor="#262626"  android:textSize="17sp"  android:textStyle="bold" />   <androidx.recyclerview.widget.RecyclerView  android:id="@+id/recyclerView"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:scrollbars="vertical"  android:paddingBottom="30dp"  tools:listitem="@layout/item">   </androidx.recyclerview.widget.RecyclerView>   </LinearLayout>   </androidx.core.widget.NestedScrollView>   </androidx.swiperefreshlayout.widget.SwipeRefreshLayout>  <include layout="@layout/eror"/>  </androidx.coordinatorlayout.widget.CoordinatorLayout> |

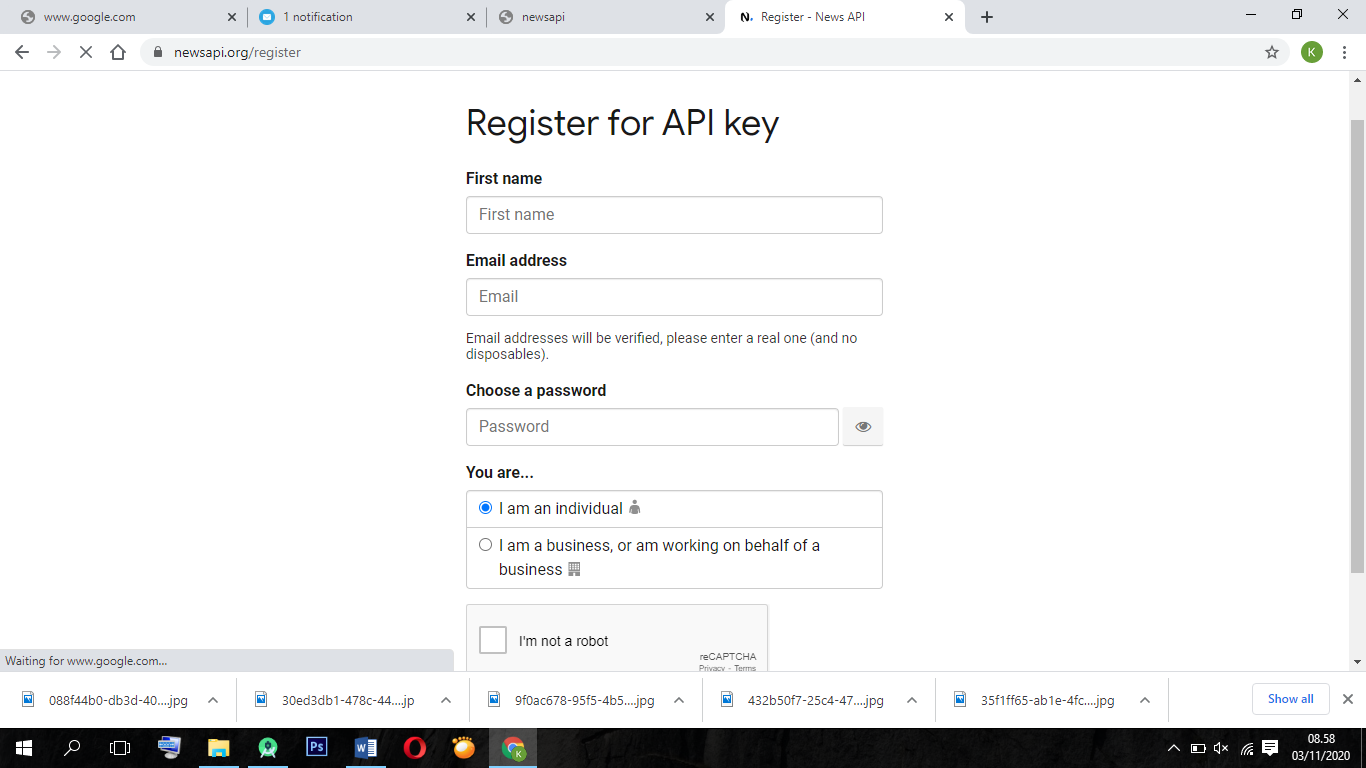
* Buka java>fragment>BeritaFragment.java

|  |
| --- |
| package com.example.monggolapor.fragment;  import android.app.SearchManager; import android.content.Context; import android.content.Intent; import android.os.Bundle;  import androidx.annotation.NonNull; import androidx.annotation.Nullable; import androidx.appcompat.app.AppCompatActivity; import androidx.fragment.app.Fragment; import androidx.recyclerview.widget.DefaultItemAnimator; import androidx.recyclerview.widget.LinearLayoutManager; import androidx.recyclerview.widget.RecyclerView; import androidx.swiperefreshlayout.widget.SwipeRefreshLayout;  import android.view.LayoutInflater; import android.view.Menu; import android.view.MenuInflater; import android.view.MenuItem; import android.view.View; import android.view.ViewGroup; import android.widget.Button; import android.widget.ImageView; import android.widget.RelativeLayout; import android.widget.SearchView; import android.widget.TextView;  import com.example.monggolapor.NewDetailActivity; import com.example.monggolapor.R; import com.example.monggolapor.Utils; import com.example.monggolapor.adapter.NewsAdapter; import com.example.monggolapor.api.ApiClient; import com.example.monggolapor.api.ApiInterface; import com.example.monggolapor.model.Article; import com.example.monggolapor.model.News;  import java.util.ArrayList; import java.util.List;  import retrofit2.Call; import retrofit2.Callback; import retrofit2.Response;   public class BeritaFragment extends Fragment implements SwipeRefreshLayout.OnRefreshListener{   public static final String *API\_KEY* = "b12fdd1d48e9481a9708a8037f0df6a5";  private RecyclerView recyclerView;  private RecyclerView.LayoutManager layoutManager;  private List<Article> articles = new ArrayList<>();  private NewsAdapter adapter;  private Context mContext;  private RelativeLayout errorLayout;  private ImageView errorImage;  private TextView errorTitle, errorMessage;  private SwipeRefreshLayout swipeRefreshLayout;  private Button btnRetry;   @Override  public void onAttach(@NonNull Context context) {  super.onAttach(context);  mContext = context;  }   @Nullable  @Override  public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {  View v = inflater.inflate(R.layout.*fragment\_berita*, container, false);  ((AppCompatActivity)getActivity()).getSupportActionBar().show();   recyclerView = v.findViewById(R.id.*recyclerView*);  layoutManager = new LinearLayoutManager(getActivity());  swipeRefreshLayout = v.findViewById(R.id.*swipe\_refresh\_layout*);  swipeRefreshLayout.setOnRefreshListener(this);  swipeRefreshLayout.setColorSchemeResources(R.color.*colorNav*);  recyclerView.setLayoutManager(layoutManager);  recyclerView.setItemAnimator(new DefaultItemAnimator());  recyclerView.setNestedScrollingEnabled(false);  errorLayout = v.findViewById(R.id.*errorLayout*);  errorImage = v.findViewById(R.id.*errorImage*);  errorMessage = v.findViewById(R.id.*errorMessage*);  errorTitle = v.findViewById(R.id.*errorTitle*);  btnRetry = v.findViewById(R.id.*btnRetry*);   LoadJson("");  setHasOptionsMenu(true);  return v;  }   public void initListener() {  adapter.setOnItemClickListener(new NewsAdapter.OnItemClickListener() {  @Override  public void onItemClick(View view, int position) {  ImageView imageView = view.findViewById(R.id.*img*);  Intent intent = new Intent(mContext, NewDetailActivity.class);   Article article = articles.get(position);  intent.putExtra("url", article.getUrl());  intent.putExtra("title", article.getTitle());  intent.putExtra("img", article.getUrlToImage());  intent.putExtra("date", article.getPublishedAt());  intent.putExtra("source", article.getSource().getName());  intent.putExtra("author", article.getAuthor());  *// Pair<View, String> pair= Pair.create((View)imageView, ViewCompat.getTransitionName(imageView)); // ActivityOptionsCompat optionsCompat = ActivityOptionsCompat.makeSceneTransitionAnimation( // getActivity(), // pair // ); // if (Build.VERSION.SDK\_INT >= Build.VERSION\_CODES.JELLY\_BEAN){ // startActivity(intent, optionsCompat.toBundle()); // }else{* startActivity(intent);  *//}* }  });  }   @Override  public void onCreateOptionsMenu(@NonNull Menu menu, @NonNull MenuInflater inflaterr) {  MenuInflater inflater = getActivity().getMenuInflater();  inflater.inflate(R.menu.*menu\_main*, menu);  SearchManager searchManager = (SearchManager) getActivity().getSystemService(mContext.*SEARCH\_SERVICE*);  final SearchView searchView = (SearchView) menu.findItem(R.id.*action\_search*).getActionView();  MenuItem searchMenuItem = menu.findItem(R.id.*action\_search*);  MenuItem aboutMenuItem = menu.findItem(R.id.*action\_about*);   searchView.setSearchableInfo(searchManager.getSearchableInfo(getActivity().getComponentName()));  searchView.setQueryHint("Search news..");  searchView.setOnQueryTextListener(new SearchView.OnQueryTextListener() {  @Override  public boolean onQueryTextSubmit(String query) {  if (query.length() > 2) {  onLoadingSwipeRefresh(query);  }  return false;  }   @Override  public boolean onQueryTextChange(String newText) {   return false;  }  });   searchMenuItem.getIcon().setVisible(false, false);  super.onCreateOptionsMenu(menu, inflaterr);  }   @Override  public boolean onOptionsItemSelected(@NonNull MenuItem item) {  int id = item.getItemId();  if (id == R.id.*action\_about*){  }  return super.onOptionsItemSelected(item);  }   public void LoadJson(final String keyword) {  errorLayout.setVisibility(View.*GONE*);  swipeRefreshLayout.setRefreshing(true);  ApiInterface apiInterface = ApiClient.*getApiclient*().create(ApiInterface.class);   String country = Utils.*getCountry*();   Call<News> call;   if (keyword.length() > 0) {  call = apiInterface.getNewsSearch(keyword, "id", "publishedAt", *API\_KEY*);  } else { *// call = apiInterface.getNews("id", "health", API\_KEY);* call = apiInterface.getNews("kemendikbud", "id", "publishedAt", *API\_KEY*);   }   call.enqueue(new Callback<News>() {  @Override  public void onResponse(Call<News> call, Response<News> response) {  if (response.isSuccessful() && response.body().getArticle() != null) {  if (!articles.isEmpty()) {  articles.clear();  }  articles = response.body().getArticle();  adapter = new NewsAdapter(articles, getActivity());  recyclerView.setAdapter(adapter);  swipeRefreshLayout.setRefreshing(false);  initListener();  } else {  String errorCode;  switch (response.code()) {  case 404:  errorCode = "404 not found";  break;  case 500:  errorCode = "500 server broken";  break;  default:  errorCode = "unknown error";  break;   }  swipeRefreshLayout.setRefreshing(false);  showErrorMessage(R.drawable.*no\_result*, "No Result", "Mohon coba lagi\n" + errorCode);  }  }   @Override  public void onFailure(Call<News> call, Throwable t) {  swipeRefreshLayout.setRefreshing(false);  showErrorMessage(R.drawable.*no\_result*, "Oops..", "Mohon coba lagi\n" + t.toString());  }  });  }   private void showErrorMessage(int imageView, String title, String message) {  if (errorLayout.getVisibility() == View.*GONE*) {  errorLayout.setVisibility(View.*VISIBLE*);  }   errorImage.setImageResource(imageView);  errorTitle.setText(title);  errorMessage.setText(message);  btnRetry.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  onLoadingSwipeRefresh("");  }  });  }    @Override  public void onRefresh() {  LoadJson("");  }   private void onLoadingSwipeRefresh(final String keyword){  swipeRefreshLayout.post(  new Runnable(){  @Override  public void run(){  LoadJson(keyword);  }  }  );  } } |

* Untuk mendapatkan ApiKey silahkan klik pada chrome <https://newsapi.org/>
* Klik GetApikey



* Registrasi terlebih dahulu untuk memperoleh apikey



* Membuat package baru pada java beri nama api
* Klik kanan api > New >Java class > beri nama ApiClient

|  |
| --- |
| package com.example.monggolapor.api;  import java.nio.file.attribute.AclEntry; import java.security.cert.CertificateException; import java.security.cert.X509Certificate;  import javax.net.ssl.HostnameVerifier; import javax.net.ssl.SSLContext; import javax.net.ssl.SSLSession; import javax.net.ssl.SSLSocketFactory; import javax.net.ssl.TrustManager; import javax.net.ssl.X509TrustManager;  import okhttp3.OkHttpClient; import retrofit2.Retrofit; import retrofit2.converter.gson.GsonConverterFactory;  public class ApiClient {  public static final String *BASE\_URL* = "https://newsapi.org/v2/";  public static Retrofit *retrofit*;   public static Retrofit getApiclient(){  if (*retrofit*==null){  *retrofit* = new Retrofit.Builder().baseUrl(*BASE\_URL*)  .client(*getUnsafeOkHttpClient*().build())  .addConverterFactory(GsonConverterFactory.*create*())  .build();  }  return *retrofit*;  }   private static OkHttpClient.Builder getUnsafeOkHttpClient() {  try{  final TrustManager[] trustAllCerts = new TrustManager[]{  new X509TrustManager() {  @Override  public void checkClientTrusted(java.security.cert.X509Certificate[] chain, String authType) throws CertificateException {   }   @Override  public void checkServerTrusted(java.security.cert.X509Certificate[] chain, String authType) throws CertificateException {   }   @Override  public java.security.cert.X509Certificate[] getAcceptedIssuers() {  return new java.security.cert.X509Certificate[]{};  }  }  };  final SSLContext sslContext = SSLContext.*getInstance*("SSL");  sslContext.init(null,trustAllCerts, new java.security.SecureRandom());   final SSLSocketFactory sslSocketFactory = sslContext.getSocketFactory();   OkHttpClient.Builder builder = new OkHttpClient.Builder();  builder.sslSocketFactory(sslSocketFactory, (X509TrustManager) trustAllCerts[0]);  builder.hostnameVerifier(new HostnameVerifier() {  @Override  public boolean verify(String hostname, SSLSession session) {  return true;  }  });  return builder;  }catch (Exception e){  throw new RuntimeException(e);  }  } } |

* Klik kanan api > New >Java class > pilih interface > beri nama ApiInterface

|  |
| --- |
| package com.example.monggolapor.api;  import com.example.monggolapor.model.News;  import retrofit2.http.GET; import retrofit2.Call; import retrofit2.http.Query;  public interface ApiInterface {   @GET("everything")  Call<News> getNews( *// @Query("country") String country, // @Query("category") String category,* @Query("q") String keyword,  @Query("language") String language,  @Query("sortBy") String sortBy,  @Query("apiKey") String apiKey  );   @GET("everything")  Call<News> getNewsSearch(  @Query("q") String keyword,  @Query("language") String language,  @Query("sortBy") String sortBy,  @Query("apiKey") String apiKey  ); } |

* Buat package baru pada java beri nama model
* Klik kanan model>new>javaclass>beri nama Article

|  |
| --- |
| package com.example.monggolapor.model;  import com.google.gson.annotations.Expose; import com.google.gson.annotations.SerializedName;   public class Article {   @SerializedName("source")  @Expose  private Source source;   @SerializedName("author")  @Expose  private String author;   @SerializedName("title")  @Expose  private String title;   @SerializedName("description")  @Expose  private String description;   @SerializedName("url")  @Expose  private String url;   @SerializedName("urlToImage")  @Expose  private String urlToImage;   @SerializedName("publishedAt")  @Expose  private String publishedAt;   public Source getSource() {  return source;  }   public void setSource(Source source) {  this.source = source;  }   public String getAuthor() {  return author;  }   public void setAuthor(String author) {  this.author = author;  }   public String getTitle() {  return title;  }   public void setTitle(String title) {  this.title = title;  }   public String getDescription() {  return description;  }   public void setDescription(String description) {  this.description = description;  }   public String getUrl() {  return url;  }   public void setUrl(String url) {  this.url = url;  }   public String getUrlToImage() {  return urlToImage;  }   public void setUrlToImage(String urlToImage) {  this.urlToImage = urlToImage;  }   public String getPublishedAt() {  return publishedAt;  }   public void setPublishedAt(String publishedAt) {  this.publishedAt = publishedAt;  } } |

* Klik kanan model>new>javaclass>beri nama Source

|  |
| --- |
| package com.example.monggolapor.model;  import com.google.gson.annotations.Expose; import com.google.gson.annotations.SerializedName;  public class Source {  @SerializedName("id")  @Expose  private String id;   @SerializedName("name")  @Expose  private String name;   public String getId() {  return id;  }   public void setId(String id) {  this.id = id;  }   public String getName() {  return name;  }   public void setName(String name) {  this.name = name;  } } |

* Klik kanan model>new>javaclass>beri nama News

|  |
| --- |
| package com.example.monggolapor.model;  import com.example.monggolapor.model.Article; import com.google.gson.annotations.Expose; import com.google.gson.annotations.SerializedName;  import java.util.List;  public class News {   @SerializedName("status")  @Expose  private String status;   @SerializedName("totalResult")  @Expose  private int totalResult;   @SerializedName("articles")  @Expose  private List<Article> article;   public String getStatus() {  return status;  }   public void setStatus(String status) {  this.status = status;  }   public int getTotalResult() {  return totalResult;  }   public void setTotalResult(int totalResult) {  this.totalResult = totalResult;  }   public List<Article> getArticle() {  return article;  }   public void setArticle(List<Article> article) {  this.article = article;  } } |

* Membuat activity baru beri nama NewDetailActivity
* Buka res>layout>activity\_new\_detail.xml

|  |
| --- |
| *<?*xml version="1.0" encoding="utf-8"*?>* <androidx.coordinatorlayout.widget.CoordinatorLayout  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:fitsSystemWindows="true"  android:background="@color/colorRed"  tools:context=".NewDetailActivity">  <com.google.android.material.appbar.AppBarLayout  android:id="@+id/appbar"  android:layout\_width="match\_parent"  android:layout\_height="250dp"  android:fitsSystemWindows="true"  android:theme="@style/MyAppBarLayoutTheme">  <com.google.android.material.appbar.CollapsingToolbarLayout  android:id="@+id/collapsing\_toolbar"  android:layout\_width="match\_parent"  app:titleEnabled="false"  android:layout\_height="match\_parent"  android:fitsSystemWindows="true"  app:contentScrim="?attr/colorPrimary"  app:layout\_scrollFlags="scroll|exitUntilCollapsed">  <ImageView  android:id="@+id/backdrop"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:fitsSystemWindows="true"  android:scaleType="centerCrop"  app:layout\_collapseMode="parallax"  android:transitionName="img"  tools:ignore="UnusedAttribute" />   <RelativeLayout  android:id="@+id/headerContent"  app:layout\_collapseMode="pin"  android:fitsSystemWindows="true"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:layout\_centerInParent="true"  android:orientation="vertical">  <ImageView  android:src="@drawable/top\_shadow"  android:scaleType="centerCrop"  android:layout\_width="match\_parent"  android:layout\_height="70dp" />   <ImageView  android:layout\_alignParentBottom="true"  android:src="@drawable/bottom\_shadow"  android:id="@+id/img2"  android:layout\_alignBottom="@+id/img"  android:scaleType="centerCrop"  android:layout\_width="match\_parent"  android:layout\_height="80dp" />  </RelativeLayout>  <androidx.appcompat.widget.Toolbar  android:id="@+id/toolbar"  android:layout\_width="match\_parent"  android:layout\_height="?attr/actionBarSize"  android:contentInsetStart="0dp"  android:contentInsetLeft="0dp"  app:contentInsetLeft="0dp"  app:contentInsetStart="0dp"  app:layout\_collapseMode="pin"  app:popupTheme="@style/ThemeOverlay.AppCompat.Light">  <LinearLayout  android:id="@+id/title\_appbar"  android:clickable="false"  android:layout\_width="wrap\_content"  android:orientation="vertical"  android:layout\_height="wrap\_content">  <TextView  android:id="@+id/title\_on\_appbar"  style="@style/Base.TextAppearance.AppCompat.Widget.ActionBar.Title"  android:text="News for you"  android:textSize="18dp"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:maxLines="1"  android:drawablePadding="10dp"  android:singleLine="true"  android:ellipsize="end"/>   <TextView  android:id="@+id/subtitle\_on\_appbar"  style="@style/Base.TextAppearance.AppCompat.Widget.ActionBar.Subtitle"  android:text="Subtitle"  android:textSize="12dp"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:maxLines="1"  android:drawablePadding="10dp"  android:singleLine="true"  android:ellipsize="end"/>   </LinearLayout>  </androidx.appcompat.widget.Toolbar>   </com.google.android.material.appbar.CollapsingToolbarLayout>  </com.google.android.material.appbar.AppBarLayout>   <androidx.core.widget.NestedScrollView  app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  android:fitsSystemWindows="true"  android:layout\_width="match\_parent"  android:background="@color/alertInfo"  android:layout\_height="match\_parent">  <LinearLayout  android:orientation="vertical"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content">  <androidx.cardview.widget.CardView  app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  android:layout\_width="match\_parent"  app:cardCornerRadius="0dp"  app:cardElevation="@dimen/cardview\_default\_elevation"  android:layout\_height="wrap\_content">  <RelativeLayout  android:layout\_marginBottom="20dp"  android:layout\_marginTop="20dp"  android:paddingLeft="16dp"  android:paddingRight="16dp"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content">  <TextView  android:id="@+id/title"  android:textColor="@color/grey\_90"  android:textStyle="bold"  android:fontFamily="sans-serif-light"  android:textSize="19sp"  android:text="Title of News"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  />   <TextView  android:id="@+id/time"  android:layout\_width="wrap\_content"  android:layout\_height="20dp"  android:layout\_below="@id/title"  android:layout\_marginTop="10dp"  android:maxLines="1"  android:drawablePadding="10dp"  android:singleLine="true"  android:ellipsize="end"  android:text="a time ago" />  </RelativeLayout>  </androidx.cardview.widget.CardView>  <androidx.cardview.widget.CardView  app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  android:layout\_marginTop="12dp"  android:layout\_marginBottom="20dp"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  app:cardElevation="@dimen/cardview\_default\_elevation"  app:cardCornerRadius="0dp">  <RelativeLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent">  <ProgressBar  app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  android:id="@+id/progress\_bar"  android:layout\_marginTop="50dp"  android:layout\_marginBottom="70dp"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content" />   <WebView  app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  android:id="@+id/webView"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"/>  </RelativeLayout>  </androidx.cardview.widget.CardView>  </LinearLayout>  </androidx.core.widget.NestedScrollView>   <FrameLayout  android:id="@+id/date\_behavior"  app:layout\_anchor="@+id/appbar"  app:behavior\_autoHide="true"  android:adjustViewBounds="true"  app:layout\_anchorGravity="right|end|bottom"  android:clickable="false"  android:layout\_below="@id/img"  android:background="@drawable/round\_white"  android:layout\_width="wrap\_content"  android:padding="5dp"  android:layout\_alignParentBottom="true"  android:layout\_alignParentRight="true"  android:layout\_marginRight="20dp"  android:layout\_marginBottom="410dp"  android:layout\_height="wrap\_content"  tools:ignore="UnusedAttribute">  <ImageView  android:src="@drawable/ic\_date"  android:layout\_width="18dp"  android:layout\_height="18dp"  android:layout\_marginLeft="5dp"  android:layout\_marginRight="5dp"/>  <TextView  android:textColor="#606060"  android:id="@+id/date"  android:layout\_marginLeft="27dp"  android:layout\_marginRight="10dp"  android:text="01 January 1990"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content" />  </FrameLayout>  </androidx.coordinatorlayout.widget.CoordinatorLayout> |

* Buka java> NewDetailActivity.java

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| package com.example.monggolapor;  import androidx.appcompat.app.AppCompatActivity; import androidx.appcompat.widget.Toolbar;  import android.content.Intent; import android.net.Uri; import android.os.Bundle; import android.view.Menu; import android.view.MenuItem; import android.view.View; import android.webkit.WebView; import android.webkit.WebViewClient; import android.widget.FrameLayout; import android.widget.ImageView; import android.widget.LinearLayout; import android.widget.TextView; import android.widget.Toast;   import com.bumptech.glide.Glide; import com.bumptech.glide.load.resource.drawable.DrawableTransitionOptions; import com.bumptech.glide.request.RequestOptions; import com.google.android.material.appbar.AppBarLayout; import com.google.android.material.appbar.CollapsingToolbarLayout;  public class NewDetailActivity extends AppCompatActivity implements AppBarLayout.OnOffsetChangedListener{   private ImageView imageView;  private TextView appbar\_title , appbar\_subtitle , date, time , title ;  private boolean isHideToolbarView = false;  private FrameLayout date\_behavior;  private LinearLayout titleAppbar;  private AppBarLayout appBarLayout;  private Toolbar toolbar;  private String mUrl , mImg , mtitle , mSource, mAuthor ,mDate ;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_new\_detail*);   toolbar = findViewById(R.id.*toolbar*);  setSupportActionBar(toolbar);  getSupportActionBar().setTitle("");  getSupportActionBar().setDisplayHomeAsUpEnabled(true);   final CollapsingToolbarLayout collapsingToolbarLayout = findViewById(R.id.*collapsing\_toolbar*);  collapsingToolbarLayout.setTitle("");   appBarLayout = findViewById(R.id.*appbar*);  appBarLayout.addOnOffsetChangedListener(this);  date\_behavior = findViewById(R.id.*date\_behavior*);  titleAppbar = findViewById(R.id.*title\_appbar*);  imageView = findViewById(R.id.*backdrop*);  appbar\_title = findViewById(R.id.*title\_on\_appbar*);  appbar\_subtitle = findViewById(R.id.*subtitle\_on\_appbar*);  date = findViewById(R.id.*date*);  time = findViewById(R.id.*time*);  title = findViewById(R.id.*title*);   Intent intent = getIntent();  mUrl = intent.getStringExtra("url");  mImg = intent.getStringExtra("Img");  mtitle = intent.getStringExtra("title");  mDate = intent.getStringExtra("date");  mSource = intent.getStringExtra("source");  mAuthor = intent.getStringExtra("author");   RequestOptions requestOptions = new RequestOptions();  requestOptions.error(Utils.*getRandomDrawbleColor*());   Glide.*with*(this)  .load(mImg)  .apply(requestOptions)  .transition(DrawableTransitionOptions.*withCrossFade*())  .into(imageView);  appbar\_title.setText(mSource);  appbar\_subtitle.setText(mUrl);  date.setText(Utils.*DateFormat*(mDate));  title.setText(mtitle);   String author = null;  if (mAuthor !=null || mAuthor !=""){  mAuthor = " \u2022" + mAuthor;   }else {  author = " ";  }  time.setText(mSource + author + "\u2022" + Utils.*DateToTimeFormat*(mDate));  initWebView(mUrl);  }  private void initWebView(String url) {  WebView webView = findViewById(R.id.*webView*);  webView.getSettings().setLoadsImagesAutomatically(true);  webView.getSettings().setJavaScriptEnabled(true);  webView.getSettings().setDomStorageEnabled(true);  webView.getSettings().setSupportZoom(true);  webView.getSettings().setBuiltInZoomControls(true);  webView.getSettings().setDisplayZoomControls(false);  webView.setScrollBarStyle(View.*SCROLLBARS\_INSIDE\_OVERLAY*);  webView.setWebViewClient(new WebViewClient());  webView.loadUrl(url);    }   @Override  public void onBackPressed() {  super.onBackPressed();  supportFinishAfterTransition();  }   @Override  public boolean onSupportNavigateUp() {  onBackPressed();  return true;  }   @Override  public void onOffsetChanged(AppBarLayout appBarLayout, int verticalOffset) {   int maxScroll = appBarLayout.getTotalScrollRange();  float percentage =(float)Math.*abs*(verticalOffset) / (float) maxScroll;   if(percentage == 1f && isHideToolbarView) {  date\_behavior.setVisibility(View.*GONE*);  titleAppbar.setVisibility(View.*VISIBLE*);  isHideToolbarView = !isHideToolbarView;   }else if(percentage < 1f && isHideToolbarView) {  date\_behavior.setVisibility(View.*VISIBLE*);  titleAppbar.setVisibility(View.*GONE*);  isHideToolbarView = !isHideToolbarView;   }  }   @Override  public boolean onCreateOptionsMenu(Menu menu) {  getMenuInflater().inflate(R.menu.*menu\_news*,menu);  return true;  }   @Override  public boolean onOptionsItemSelected( MenuItem item) {   int id = item.getItemId();   if(id == R.id.*view\_web*){  Intent i = new Intent(Intent.*ACTION\_VIEW*);  i.setData(Uri.*parse*(mUrl));  startActivity(i);  return true;  }  else if (id == R.id.*share*){  try{  Intent i = new Intent(Intent.*ACTION\_SEND*);  i.setType("text/plan");  i.putExtra(Intent.*EXTRA\_SUBJECT* , mSource);  String body = mtitle + "\n" + mUrl + "\n" +"Share from the News App" + "\n";  i.putExtra(Intent.*EXTRA\_TEXT*,body);  startActivity(Intent.*createChooser*(i, "share with :"));  }catch (Exception e){  Toast.*makeText*(this,"Hm....Sorry ,\n Cannot be share", Toast.*LENGTH\_SHORT*).show();  }   }   return super.onOptionsItemSelected(item);  } } |

* Klik kanan layout>New>LayoutResourceFile beri nama item

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| *<?*xml version="1.0" encoding="utf-8"*?>* <FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  xmlns:app="http://schemas.android.com/apk/res-auto"  xmlns:tools="http://schemas.android.com/tools">   <androidx.cardview.widget.CardView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="11dp"  android:layout\_marginRight="11dp"  android:layout\_marginTop="7dp"  android:layout\_marginBottom="7dp"  app:cardElevation="@dimen/cardview\_default\_elevation"  app:cardCornerRadius="10dp">  <RelativeLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content">  <ImageView  android:layout\_width="match\_parent"  android:layout\_height="200dp"  android:id="@+id/img"  android:scaleType="centerCrop"  tools:ignore="UnusedAttribute"/>  <ImageView  android:layout\_width="match\_parent"  android:layout\_height="80dp"  android:id="@+id/shadow\_bottom"  android:src="@drawable/bottom\_shadow"  android:layout\_alignBottom="@id/img"  />  <ProgressBar  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="70dp"  android:id="@+id/prograss\_load\_photo"  style="@android:style/Widget.ProgressBar.Small"  />  <TextView  android:layout\_width="match\_parent"  android:layout\_height="30dp"  android:id="@+id/author"  android:drawablePadding="10dp"  android:ellipsize="end"  android:maxLines="1"  android:textColor="@android:color/white"  android:singleLine="true"  android:layout\_marginRight="160dp"  android:text="Author"  android:gravity="bottom"  android:layout\_alignRight="@id/layoutDate"  android:layout\_alignTop="@id/layoutDate"  android:layout\_alignEnd="@id/layoutDate"  android:layout\_alignLeft="@+id/title"  android:layout\_alignStart="@+id/title"  />  <FrameLayout  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:id="@+id/layoutDate"  android:layout\_below="@id/img"  android:background="@drawable/round\_white"  android:padding="5dp"  android:layout\_alignParentRight="true"  android:layout\_marginRight="20dp"  android:layout\_marginTop="-50dp"  >  <ImageView  android:layout\_width="18dp"  android:layout\_height="18dp"  android:id="@+id/ic-date"  android:layout\_marginLeft="5dp"  android:layout\_marginRight="5dp"/>  <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:textColor="#606060"  android:id="@+id/publishedAt"  android:layout\_marginLeft="27dp"  android:layout\_marginRight="10dp"  android:text="01 januari 1990"/>  </FrameLayout>  <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:fontFamily="sans-serif-light"  android:textStyle="bold"  android:textColor="@color/colorAccent"  android:layout\_marginLeft="16dp"  android:layout\_marginRight="16dp"  android:text="Title"  android:textSize="17sp"  android:layout\_marginTop="10dp"  android:layout\_below="@id/img"  android:id="@+id/title"  />  <TextView  android:layout\_width="wrap\_content"  android:layout\_height="20dp"  android:id="@+id/desc"  android:layout\_below="@id/title"  android:layout\_marginLeft="16dp"  android:layout\_marginRight="16dp"  android:layout\_marginTop="5dp"  android:text="Desc"  />  <TextView  android:layout\_width="wrap\_content"  android:layout\_height="20dp"  android:id="@+id/source"  android:layout\_below="@id/desc"  android:layout\_marginTop="10dp"  android:layout\_marginLeft="16dp"  android:layout\_marginBottom="10dp"  android:fontFamily="sans-serif-light"  android:textStyle="bold"  android:textColor="@color/colorAccent"  android:maxLines="1"  android:drawablePadding="10dp"  android:singleLine="true"  android:ellipsize="end"  android:text="Source"  />  <TextView  android:layout\_width="wrap\_content"  android:layout\_height="20dp"  android:id="@+id/time"  android:layout\_below="@id/desc"  android:layout\_marginTop="10dp"  android:layout\_marginBottom="10dp"  android:layout\_toRightOf="@id/source"  android:maxLines="1"  android:drawablePadding="10dp"  android:singleLine="true"  android:ellipsize="end"  android:text="Time"  />  </RelativeLayout>   </androidx.cardview.widget.CardView>  </FrameLayout> |

* Klik kanan layout>new>layoutResourceFile >beri nama error

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| *<?*xml version="1.0" encoding="utf-8"*?>* <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:paddingLeft="16dp"  android:paddingRight="16dp"  android:background="@color/colorPrimaryDark"  android:id="@+id/errorLayout"  android:visibility="gone">   <ImageView  android:id="@+id/errorImage"  android:layout\_width="200dp"  android:layout\_height="200dp"  android:src="@drawable/oops"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="60dp"/>  <TextView  android:id="@+id/errorTitle"  android:text="Error Title"  android:textColor="@color/grey\_10"  android:textStyle="bold"  android:fontFamily="@font/monserrat\_regular"  android:layout\_centerHorizontal="true"  android:layout\_below="@+id/errorImage"  android:gravity="center\_horizontal"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"/>  <TextView  android:id="@+id/errorMessage"  android:text="Error Message"  android:textColor="@color/grey\_10"  android:textStyle="bold"  android:fontFamily="@font/monserrat\_medium"  android:layout\_centerHorizontal="true"  android:layout\_below="@+id/errorTitle"  android:gravity="center\_horizontal"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"/>  <Button  android:id="@+id/btnRetry"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Ulangi"  android:textColor="#fff"  android:layout\_below="@id/errorMessage"  android:layout\_centerHorizontal="true"  android:layout\_marginTop="20dp"  android:backgroundTint="@color/colorRed"/>  </RelativeLayout> |

* Buat package baru pada java berinama adapter
* Klik kanan adapter >new>java class > beri nama NewsAdapter

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| package com.example.monggolapor.adapter;  import android.content.Context; import android.graphics.drawable.Drawable; import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup; import android.widget.ImageView; import android.widget.ProgressBar; import android.widget.TextView;  import androidx.annotation.NonNull; import androidx.annotation.Nullable; import androidx.recyclerview.widget.RecyclerView;  import com.bumptech.glide.Glide; import com.bumptech.glide.load.DataSource; import com.bumptech.glide.load.engine.DiskCacheStrategy; import com.bumptech.glide.load.engine.GlideException; import com.bumptech.glide.load.resource.drawable.DrawableTransitionOptions; import com.bumptech.glide.request.RequestListener; import com.bumptech.glide.request.RequestOptions; import com.bumptech.glide.request.target.Target; import com.example.monggolapor.R; import com.example.monggolapor.Utils; import com.example.monggolapor.model.Article;  import java.util.List;  public class NewsAdapter extends RecyclerView.Adapter<NewsAdapter.MyViewHolder> {  private List<Article> articles;  private Context context;  private OnItemClickListener onItemClickListener;   public NewsAdapter(List<Article> articles, Context context) {  this.articles = articles;  this.context = context;  }   @NonNull  @Override  public MyViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  View view = LayoutInflater.*from*(context).inflate(R.layout.*item*, parent, false);  return new MyViewHolder(view, onItemClickListener);  }   @Override  public void onBindViewHolder(@NonNull MyViewHolder holders, int position) {  final MyViewHolder holder = holders;  Article model = articles.get(position);   RequestOptions requestOptions = new RequestOptions();  requestOptions.placeholder(Utils.*getRandomDrawbleColor*());  requestOptions.error(Utils.*getRandomDrawbleColor*());  requestOptions.diskCacheStrategy(DiskCacheStrategy.*ALL*);  requestOptions.centerCrop();   Glide.*with*(context)  .load(model.getUrlToImage())  .apply(requestOptions)  .listener(new RequestListener<Drawable>() {  @Override  public boolean onLoadFailed(@Nullable GlideException e, Object model, Target<Drawable> target, boolean isFirstResource) {  holder.progressbar.setVisibility(View.*GONE*);  return false;  }   @Override  public boolean onResourceReady(Drawable resource, Object model, Target<Drawable> target, DataSource dataSource, boolean isFirstResource) {  holder.progressbar.setVisibility(View.*GONE*);  return false;  }  })  .transition(DrawableTransitionOptions.*withCrossFade*())  .into(holder.imageView);  holder.title.setText(model.getTitle());  holder.desc.setText(model.getDescription());  holder.source.setText(model.getSource().getName());  holder.time.setText(" \u2022 " + Utils.*DateToTimeFormat*(model.getPublishedAt()));  holder.published\_at.setText(Utils.*DateFormat*(model.getPublishedAt()));  holder.author.setText(model.getAuthor());  }   @Override  public int getItemCount() {  return articles.size();  }   public void setOnItemClickListener(OnItemClickListener onItemClickListener) {  this.onItemClickListener = onItemClickListener;  }   public interface OnItemClickListener {  void onItemClick(View view, int position);  }   public class MyViewHolder extends RecyclerView.ViewHolder implements View.OnClickListener {   TextView title, desc, author, published\_at, source, time;  ImageView imageView;  ProgressBar progressbar;  OnItemClickListener onItemClickListener;   public MyViewHolder(@NonNull View itemView, OnItemClickListener onItemClickListener) {  super(itemView);   itemView.setOnClickListener(this);  title = itemView.findViewById(R.id.*title*);  desc = itemView.findViewById(R.id.*desc*);  author = itemView.findViewById(R.id.*author*);  published\_at = itemView.findViewById(R.id.*publishedAt*);  source = itemView.findViewById(R.id.*source*);  time = itemView.findViewById(R.id.*time*);  imageView = itemView.findViewById(R.id.*img*);  progressbar = itemView.findViewById(R.id.*prograss\_load\_photo*);   this.onItemClickListener = onItemClickListener;   }   @Override  public void onClick(View v) {  onItemClickListener.onItemClick(v, getAdapterPosition());  }  } } |

* Klik kanan adapter >new>java class > beri nama NewsHomeAdapter

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| package com.example.monggolapor.adapter;  import android.content.Context; import android.content.Intent; import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup; import android.widget.ImageView; import android.widget.ProgressBar; import android.widget.TextView;  import androidx.annotation.NonNull; import androidx.constraintlayout.widget.ConstraintLayout; import androidx.recyclerview.widget.RecyclerView;  import com.bumptech.glide.Glide; import com.bumptech.glide.load.engine.DiskCacheStrategy; import com.bumptech.glide.request.RequestOptions; import com.example.monggolapor.NewDetailActivity; import com.example.monggolapor.R; import com.example.monggolapor.Utils; import com.example.monggolapor.model.Article;  import java.util.List;  public class NewsHomeAdapter extends RecyclerView.Adapter<NewsHomeAdapter.MyViewHolder> {  private List<Article> articles;  private Context context;   public NewsHomeAdapter(List<Article> articles, Context context) {  this.articles = articles;  this.context = context;  }   @NonNull  @Override  public MyViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  View view = LayoutInflater.*from*(context).inflate(R.layout.*item\_berita\_home*, parent, false);  return new MyViewHolder(view);  }   @Override  public void onBindViewHolder(@NonNull MyViewHolder holders, final int position) {  final MyViewHolder holder = holders;  final Article model = articles.get(position);   RequestOptions requestOptions = new RequestOptions();  requestOptions.placeholder(Utils.*getRandomDrawbleColor*());  requestOptions.error(Utils.*getRandomDrawbleColor*());  requestOptions.diskCacheStrategy(DiskCacheStrategy.*ALL*);  requestOptions.centerCrop();   Glide.*with*(context)  .load(model.getUrlToImage())  .centerCrop()  .into(holder.imageView);  holder.title.setText(model.getTitle());  holder.desc.setText(model.getDescription());  holder.itemNewsHome.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  Intent intent = new Intent(context, NewDetailActivity.class);   intent.putExtra("url", model.getUrl());  intent.putExtra("title", model.getTitle());  intent.putExtra("img", model.getUrlToImage());  intent.putExtra("date", model.getPublishedAt());  intent.putExtra("source", model.getSource().getName());  intent.putExtra("author", model.getAuthor());   context.startActivity(intent);  }  });  }   @Override  public int getItemCount() {  return 6;  }    public class MyViewHolder extends RecyclerView.ViewHolder{   TextView title, desc;  ImageView imageView;  ConstraintLayout itemNewsHome;  ProgressBar progressbar;  public MyViewHolder(@NonNull View itemView) {  super(itemView);   title = itemView.findViewById(R.id.*titleNewsHome*);  desc = itemView.findViewById(R.id.*descNewsHome*);  imageView = itemView.findViewById(R.id.*imgNewsHome*);  itemNewsHome = itemView.findViewById(R.id.*item\_news\_home*);   }  } } |

* Klik kanan java> new> java class> beri nama Utils

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| package com.example.monggolapor;  import android.graphics.Color; import android.graphics.drawable.ColorDrawable;  import org.ocpsoft.prettytime.PrettyTime;  import java.text.ParseException; import java.text.SimpleDateFormat; import java.util.Date; import java.util.Locale; import java.util.Random;  public class Utils {   public static ColorDrawable[] *vibrantLightColorList* =  {  new ColorDrawable(Color.*parseColor*("#ffeead")),  new ColorDrawable(Color.*parseColor*("#93cfb3")),  new ColorDrawable(Color.*parseColor*("#fd7a7a")),  new ColorDrawable(Color.*parseColor*("#faca5f")),  new ColorDrawable(Color.*parseColor*("#1ba798")),  new ColorDrawable(Color.*parseColor*("#6aa9ae")),  new ColorDrawable(Color.*parseColor*("#ffbf27")),  new ColorDrawable(Color.*parseColor*("#d93947"))  };   public static ColorDrawable getRandomDrawbleColor() {  int idx = new Random().nextInt(*vibrantLightColorList*.length);  return *vibrantLightColorList*[idx];  }   public static String DateToTimeFormat(String oldstringDate){  PrettyTime p = new PrettyTime(new Locale(*getCountry*()));  String isTime = null;  try {  SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd'T'HH:mm:ss'Z'",  Locale.*ENGLISH*);  Date date = sdf.parse(oldstringDate);  isTime = p.format(date);  } catch (ParseException e) {  e.printStackTrace();  }   return isTime;  }   public static String DateFormat(String oldstringDate){  String newDate;  SimpleDateFormat dateFormat = new SimpleDateFormat("E, d MMM yyyy", new Locale(*getCountry*()));  try {  Date date = new SimpleDateFormat("yyyy-MM-dd'T'HH:mm:ss'Z'").parse(oldstringDate);  newDate = dateFormat.format(date);  } catch (ParseException e) {  e.printStackTrace();  newDate = oldstringDate;  }   return newDate;  }   public static String getCountry(){  Locale locale = Locale.*getDefault*();  String country = String.*valueOf*(locale.getCountry());  return country.toLowerCase();  }  public static String getLanguage() {  Locale locale = Locale.*getDefault*();  String language = String.*valueOf*(locale.getCountry());  return language.toLowerCase();  } } |

* Klik kana menu > new > Menu Resoucre File> beri nama menu\_main

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| *<?*xml version="1.0" encoding="utf-8"*?>* <menu 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"  tools:context="com.example.monggolapor.aspirasi">   <item  android:id="@+id/action\_search"  android:orderInCategory="100"  android:title="Search"  android:icon="@drawable/ic\_search"  android:iconTint="#fff"  app:showAsAction="always"  app:actionViewClass="android.widget.SearchView"  />  <item  android:id="@+id/action\_about"  android:orderInCategory="100"  android:iconTint="#fff"  android:title="About"  app:showAsAction="never"/>  </menu> |

* Klik kana menu > new > Menu Resoucre File> beri nama menu\_news

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| *<?*xml version="1.0" encoding="utf-8"*?>* <menu xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:app="http://schemas.android.com/apk/res-auto">   <item  android:id="@+id/share"  android:title="Share"  android:icon="@drawable/ic\_share"  app:showAsAction="always"/>  <item android:id="@+id/view\_web"  android:title="Open With Browser"  app:showAsAction="never"/>  </menu> |

* Klik kana menu > new > Menu Resoucre File> beri nama search\_menu

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| *<?*xml version="1.0" encoding="utf-8"*?>* <menu xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:app="http://schemas.android.com/apk/res-auto">   <item  android:id="@+id/search\_user"  android:orderInCategory="100"  android:title="Search"  android:icon="@drawable/ic\_search"  android:iconTint="#fff"  app:showAsAction="ifRoom|collapseActionView"  app:actionViewClass="android.widget.SearchView"  /> </menu> |

1. **Membuat Laporan**

* Hjnews

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1. **Membuat Aspirasi**

* Buat activity baru beri nama aspirasi
* Buka res>layout>activity\_aspirasi.xml

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| *<?*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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#94D1A2"  tools:context=".aspirasi">   <ImageView  android:id="@+id/back"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.489"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.002"  app:srcCompat="@drawable/awan3" />   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/boxSubject"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:padding="5dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0."  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView8"  app:layout\_constraintVertical\_bias="0.084">   <EditText  android:id="@+id/dari"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:hint="Dari"  android:textSize="15sp"  android:padding="10dp"/>   </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/boxJudul"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/boxSubject"  app:layout\_constraintVertical\_bias="0.0"  android:padding="5dp">   <EditText  android:id="@+id/kepada"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:hint="Kepada"  android:padding="10dp"  android:textSize="15sp"/>   </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/boxLaporan"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="5dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/boxJudul"  app:layout\_constraintVertical\_bias="0.0"  android:padding="5dp">   <EditText  android:id="@+id/subject"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:hint="Subject"  android:padding="10dp"  android:textSize="15sp"/>   </com.google.android.material.textfield.TextInputLayout>   *<!-- <LinearLayout--> <!-- android:id="@+id/linearLayout"--> <!-- android:layout\_width="match\_parent"--> <!-- android:layout\_height="350dp"--> <!-- android:layout\_marginStart="15dp"--> <!-- android:layout\_marginTop="0dp"--> <!-- android:layout\_marginEnd="15dp"--> <!-- android:orientation="vertical"--> <!-- android:padding="10dp"--> <!-- app:layout\_constraintBottom\_toTopOf="@+id/btnSave"--> <!-- app:layout\_constraintEnd\_toEndOf="parent"--> <!-- app:layout\_constraintHorizontal\_bias="1.0"--> <!-- app:layout\_constraintStart\_toStartOf="parent"--> <!-- app:layout\_constraintTop\_toBottomOf="@+id/boxLaporan"--> <!-- app:layout\_constraintVertical\_bias="0.0">-->  <!-- <Button--> <!-- android:id="@+id/choose"--> <!-- android:layout\_width="wrap\_content"--> <!-- android:layout\_height="wrap\_content"--> <!-- android:layout\_marginLeft="10dp"--> <!-- android:background="#5C7851"--> <!-- android:padding="10dp"--> <!-- android:text="Choose Image"--> <!-- android:textColor="@color/colorWhite"--> <!-- android:textSize="15sp"--> <!-- app:layout\_constraintEnd\_toEndOf="parent"--> <!-- app:layout\_constraintHorizontal\_bias="0.0"--> <!-- app:layout\_constraintStart\_toStartOf="parent"--> <!-- app:layout\_constraintVertical\_bias="0.0" />-->  <!-- <ImageView--> <!-- android:id="@+id/imageAspirasi"--> <!-- android:layout\_width="match\_parent"--> <!-- android:layout\_height="200dp"--> <!-- android:layout\_margin="10dp"--> <!-- android:padding="10dp"--> <!-- app:layout\_constraintEnd\_toEndOf="parent"--> <!-- app:layout\_constraintHorizontal\_bias="0.0"--> <!-- app:layout\_constraintStart\_toStartOf="parent"--> <!-- app:layout\_constraintVertical\_bias="0.0" />-->  <!-- </LinearLayout>-->* <Button  android:id="@+id/btnCancel"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_below="@+id/boxpassword"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:background="#C3CA3439"  android:fontFamily="@font/monserrat\_medium"  android:gravity="center"  android:padding="10dp"  android:text="Cancel"  android:textColor="@color/colorAccent"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/btnSave"  app:layout\_constraintVertical\_bias="0.652"  tools:ignore="UnknownId" />   <Button  android:id="@+id/btnSave"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:layout\_marginBottom="96dp"  android:background="@color/alertInfoFontColor"  android:fontFamily="@font/monserrat\_medium"  android:gravity="center"  android:padding="10dp"  android:text="Submit"  android:textColor="@color/colorWhite"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="1.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/linearLayout"  app:layout\_constraintVertical\_bias="0.814" />   <TextView  android:id="@+id/textView8"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginStart="174dp"  android:layout\_marginEnd="179dp"  android:layout\_marginBottom="173dp"  android:fontFamily="@font/monserrat\_bold"  android:text="FORM ASPIRASI"  android:textColor="@color/btnSuccess"  android:textSize="30sp"  android:textStyle="bold"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.487"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.001" />   </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java > aspirasi

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| package com.example.monggolapor;  import android.app.ProgressDialog; import android.content.Intent; import android.net.Uri; import android.os.Bundle; import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.ImageView; import android.widget.Toast;  import androidx.annotation.NonNull; import androidx.annotation.Nullable; import androidx.appcompat.app.AppCompatActivity;  import com.bumptech.glide.Glide; import com.example.monggolapor.model.AspirasiRequests; import com.google.android.gms.tasks.OnCompleteListener; import com.google.android.gms.tasks.OnFailureListener; import com.google.android.gms.tasks.OnSuccessListener; import com.google.android.gms.tasks.Task; import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase; import com.google.firebase.storage.FirebaseStorage; import com.google.firebase.storage.OnProgressListener; import com.google.firebase.storage.StorageReference; import com.google.firebase.storage.UploadTask;  import java.util.UUID;  public class aspirasi extends AppCompatActivity {   private DatabaseReference databaseReference;   private EditText etDari, etKepada, etAspirasi;  private ProgressDialog loading;  private Button bt\_save, bt\_cancel, bt\_choose;   private String sPid, sPdari, sPkepada, sPaspirasi, sPimgaspirasi;   private Uri imageUri;   @Override  protected void onCreate(@Nullable Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_aspirasi*);   databaseReference = FirebaseDatabase.*getInstance*().getReference();   sPid = getIntent().getStringExtra("id");  sPdari = getIntent().getStringExtra("dari");  sPkepada = getIntent().getStringExtra("kepada");  sPaspirasi = getIntent().getStringExtra("aspirasi");    etDari = findViewById(R.id.*dari*);  etKepada = findViewById(R.id.*kepada*);  etAspirasi = findViewById(R.id.*subject*);  bt\_save = findViewById(R.id.*btnSave*);  bt\_cancel = findViewById(R.id.*btnCancel*);   etDari.setText(sPdari);  etKepada.setText(sPkepada);  etAspirasi.setText(sPaspirasi);   if (sPid.equals("")){  bt\_save.setText("Save");  bt\_cancel.setText("Cancel");  } else {  bt\_save.setText("Edit");  bt\_cancel.setText("Hapus");  }   findViewById(R.id.*btnSave*).setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  String Sdari = etDari.getText().toString();  String Skepada = etKepada.getText().toString();  String Saspirasi = etAspirasi.getText().toString();   if (bt\_cancel.getText().equals("Save")){  if (Sdari.equals("")){  etDari.setError("Silahkan Masukkan Nama Anda!");  etDari.requestFocus();  } else if (Skepada.equals("")){  etKepada.setError("Masukkan Nama Orang yang Anda Tuju");  etKepada.requestFocus();  } else if (Saspirasi.equals("")){  etAspirasi.setError("Masukkan Aspirasi Anda!");  etAspirasi.requestFocus();  } else {  loading = ProgressDialog.*show*(aspirasi.this, null, "Please be Waiting", true, false);   submitUser(new AspirasiRequests(Sdari.toLowerCase(), Skepada.toLowerCase(), Saspirasi.toLowerCase()));  }  } else {  *//edit* if (Sdari.equals("")){  etDari.setError("Silahkan Masukkan Nama Anda!");  etDari.requestFocus();  } else if (Skepada.equals("")){  etKepada.setError("Masukkan Nama Orang yang Anda Tuju");  etKepada.requestFocus();  } else if (Saspirasi.equals("")){  etAspirasi.setError("Masukkan Aspirasi Anda!");  etAspirasi.requestFocus();  } else {  loading = ProgressDialog.*show*(aspirasi.this, null, "Please be Waiting", true, false);   editUser(new AspirasiRequests(Sdari.toLowerCase(), Skepada.toLowerCase(), Saspirasi.toLowerCase()), sPid);  }  }  }  });   bt\_cancel.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  if (bt\_cancel.getText().equals("Cancel")){  finish();  } else {  databaseReference.child("Aspirasi\_Request").child(sPid).removeValue().addOnSuccessListener(new OnSuccessListener<Void>() {  @Override  public void onSuccess(Void aVoid) {  Toast.*makeText*(aspirasi.this, "Data berhasil dihapus", Toast.*LENGTH\_SHORT*).show();  Intent i = new Intent(aspirasi.this, isi.class);  startActivity(i);  }  });  }  }  });  }   private void editUser(AspirasiRequests aspirasiRequests, String sPid) {  databaseReference.child("Aspirasi\_Request").push().setValue(aspirasiRequests).addOnSuccessListener(this, new OnSuccessListener<Void>() {  @Override  public void onSuccess(Void aVoid) {  loading.dismiss();   etDari.setText("");  etKepada.setText("");  etAspirasi.setText("");   Toast.*makeText*(aspirasi.this, "Data berhasil ditambahkan", Toast.*LENGTH\_SHORT*).show();  Intent intent = new Intent(aspirasi.this, isi.class);  startActivity(intent);  }  });  }   private void submitUser(AspirasiRequests aspirasiRequests) {  databaseReference.child("Aspirasi\_Request").push().setValue(aspirasiRequests).addOnSuccessListener(this, new OnSuccessListener<Void>() {  @Override  public void onSuccess(Void aVoid) {  loading.dismiss();   etDari.setText("");  etKepada.setText("");  etAspirasi.setText("");   Toast.*makeText*(aspirasi.this, "Data berhasil ditambahkan", Toast.*LENGTH\_SHORT*).show();  Intent intent = new Intent(aspirasi.this, isi.class);  startActivity(intent);  }  });  } } |

* Klik kanan model pada java >new>javaclass>beri nama AspirasiRequest

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| package com.example.monggolapor.model;  import com.google.firebase.database.IgnoreExtraProperties;  import java.io.Serializable;  @IgnoreExtraProperties public class AspirasiRequests implements Serializable {   private String Dari;  private String Kepada;  private String Aspirasi;   private String key;   public AspirasiRequests(){   }  public AspirasiRequests(String Dari, String Kepada, String Aspirasi){  this.Dari = Dari;  this.Kepada = Kepada;  this.Aspirasi = Aspirasi;  }   public String getDari() {  return Dari;  }   public void setDari(String dari) {  Dari = dari;  }   public String getKepada() {  return Kepada;  }   public void setKepada(String kepada) {  Kepada = kepada;  }   public String getAspirasi() {  return Aspirasi;  }   public void setAspirasi(String aspirasi) {  Aspirasi = aspirasi;  }   public String getKey() {  return key;  }   public void setKey(String key) {  this.key = key;  }   @Override  public String toString() {  return "AspirasiRequests{" +  "Dari='" + Dari + '\'' +  ", Kepada='" + Kepada + '\'' +  ", Aspirasi='" + Aspirasi + '\'' +  ", key='" + key + '\'' +  '}';  } } |

1. **Membuat Pengumuman**

* Buat activity baru beri nama Pengumuman
* Buat activity baru beri nama DetailPengumuman
* Buka res>layout>activity\_pengumuman.xml

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| *<?*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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#80169109"  android:paddingLeft="26dp"  android:paddingRight="26dp"  tools:context=".Pengumuman">   <TextView  android:id="@+id/textView"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="20dp"  android:layout\_marginTop="32dp"  android:fontFamily="@font/monserrat\_bold"  android:text="Welcome to apps"  android:textColor="#fff"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />   <TextView  android:id="@+id/textView2"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="12dp"  android:fontFamily="@font/monserrat\_medium"  android:text="PENGUMUMAN"  android:textColor="#fff"  android:textSize="25sp"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView" />    <androidx.cardview.widget.CardView  android:id="@+id/constraintLayout"  android:layout\_width="match\_parent"  android:layout\_height="500dp"  android:foreground="?attr/selectableItemBackground"  android:padding="16dp"  android:layout\_marginTop="12dp"  app:cardCornerRadius="12dp"  android:layout\_marginBottom="12dp"  app:cardElevation="0dp"  app:layout\_constraintBottom\_toTopOf="@+id/linearLayout"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView2">   <ScrollView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content">   <androidx.constraintlayout.widget.ConstraintLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:padding="16dp">   <ImageView  android:id="@+id/profilePic"  android:layout\_width="match\_parent"  android:layout\_height="152dp"  android:background="@drawable/customimage"  android:padding="4dp"  android:src="@drawable/ic\_baseline\_image\_24"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.027" />   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtPassLog"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="16dp"  android:layout\_marginBottom="10dp"  app:layout\_constraintTop\_toBottomOf="@+id/profilePic">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtPengirim"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="32dp"  android:hint="Topic"  android:textSize="14sp"  app:layout\_constraintTop\_toBottomOf="@+id/profilePic"  tools:layout\_editor\_absoluteX="0dp" />   </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtTopikk"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginBottom="10dp"  app:layout\_constraintTop\_toBottomOf="@+id/edtPassLog">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtTopik"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="32dp"  android:hint="Topic"  android:textSize="14sp"  app:layout\_constraintTop\_toBottomOf="@+id/edtPassLog"  tools:layout\_editor\_absoluteX="0dp" />    </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtinfolog"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginBottom="10dp"  app:layout\_constraintTop\_toBottomOf="@+id/edtTopikk">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtInformasi"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="24dp"  android:hint="Informasi"  android:textSize="14sp"  app:layout\_constraintTop\_toBottomOf="@+id/edtTopikk"  tools:layout\_editor\_absoluteX="0dp" />   </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtDitujukan"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginBottom="16dp"  app:layout\_constraintTop\_toBottomOf="@+id/edtinfolog">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/etDiTujukam"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="32dp"  android:hint="Di Tujukan"  android:textSize="14sp"  app:layout\_constraintTop\_toBottomOf="@+id/edtinfolog"  tools:layout\_editor\_absoluteX="0dp" />    </com.google.android.material.textfield.TextInputLayout>    </androidx.constraintlayout.widget.ConstraintLayout>  </ScrollView>  </androidx.cardview.widget.CardView> </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java ,> Pengumuman.java

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| package com.example.monggolapor;  import android.app.ProgressDialog; import android.content.Intent; import android.net.Uri; import android.os.Bundle; import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.ImageView; import android.widget.Toast;  import androidx.appcompat.app.AppCompatActivity;  import com.bumptech.glide.Glide; import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase; import com.google.firebase.storage.FirebaseStorage; import com.google.firebase.storage.StorageReference;   public class Pengumuman extends AppCompatActivity {   private DatabaseReference databaseReference;  private StorageReference storageReference;  private FirebaseStorage firebaseStorage;   private EditText edtPengirim, edtTopik, edtInformasi, edtDitujukan;  private ImageView imgPengumuman;   private String sId, sPengirim, sTopik, sInformasi, sDitujukan, sImage;    @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_pengumuman*);   databaseReference = FirebaseDatabase.*getInstance*().getReference();  firebaseStorage = FirebaseStorage.*getInstance*();  storageReference = firebaseStorage.getReference();   sId = getIntent().getStringExtra("id");  sPengirim = getIntent().getStringExtra("pengirim");  sTopik = getIntent().getStringExtra("topik");  sInformasi = getIntent().getStringExtra("informasi");  sDitujukan = getIntent().getStringExtra("ditujukan");  sImage = getIntent().getStringExtra("image");   edtInformasi = findViewById(R.id.*edtInformasi*);  edtTopik = findViewById(R.id.*edtTopik*);  edtPengirim = findViewById(R.id.*edtPengirim*);  edtDitujukan = findViewById(R.id.*etDiTujukam*);  imgPengumuman = findViewById(R.id.*profilePic*);   edtPengirim.setText(sPengirim);  edtTopik.setText(sTopik);  edtInformasi.setText(sInformasi);  edtDitujukan.setText(sDitujukan); *// Toast.makeText(this, sImage, Toast.LENGTH\_SHORT).show();* Glide.*with*(this).load(sImage).into(imgPengumuman);   }  } |

* Buka res>layout>activity\_detail\_pengumuman.xml

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| *<?*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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#e2e2e2"  tools:context=".DetailPengumuman">   <androidx.constraintlayout.widget.ConstraintLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#00ffffff"  android:padding="10dp">   <TextView  android:id="@+id/profile\_name"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:fontFamily="@font/monserrat\_regular"  android:text="Pengumuman"  android:textColor="#000"  android:textSize="20sp"  android:textStyle="bold"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />   <androidx.recyclerview.widget.RecyclerView  android:id="@+id/rcList"  android:layout\_width="match\_parent"  android:layout\_height="0dp"  android:layout\_marginTop="12dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/profile\_name" />   </androidx.constraintlayout.widget.ConstraintLayout> </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java>DetailPengumuman.java

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| package com.example.monggolapor;  import androidx.annotation.NonNull; import androidx.appcompat.app.AppCompatActivity; import androidx.recyclerview.widget.DefaultItemAnimator; import androidx.recyclerview.widget.LinearLayoutManager; import androidx.recyclerview.widget.RecyclerView;  import android.app.ProgressDialog; import android.os.Bundle;  import com.example.monggolapor.adapter.RequestPengumumanAdapter; import com.example.monggolapor.model.PengumumanRequests; import com.google.firebase.database.DataSnapshot; import com.google.firebase.database.DatabaseError; import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase; import com.google.firebase.database.ValueEventListener;  import java.util.ArrayList;  public class DetailPengumuman extends AppCompatActivity {   private DatabaseReference databaseReference;  private ArrayList<PengumumanRequests> daftarReq;  private RequestPengumumanAdapter recyclerViewAdapter;  private RecyclerView rc\_list\_request;  private ProgressDialog loading;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_detail\_pengumuman*);   databaseReference = FirebaseDatabase.*getInstance*().getReference();   rc\_list\_request = findViewById(R.id.*rcList*);  RecyclerView.LayoutManager layoutManager = new LinearLayoutManager(getApplicationContext());  rc\_list\_request.setLayoutManager(layoutManager);  rc\_list\_request.setItemAnimator(new DefaultItemAnimator());   loading = ProgressDialog.*show*(DetailPengumuman.this, null, "Please Waiting", true, false);   databaseReference.child("Pengumuman\_Request").addValueEventListener(new ValueEventListener() {  @Override  public void onDataChange(@NonNull DataSnapshot snapshot) {  daftarReq = new ArrayList<>();  for (DataSnapshot noteDataSnapshot : snapshot.getChildren()){  PengumumanRequests pengumumanRequests = noteDataSnapshot.getValue(PengumumanRequests.class);  pengumumanRequests.setKey(noteDataSnapshot.getKey());   daftarReq.add(pengumumanRequests);  }   recyclerViewAdapter = new RequestPengumumanAdapter(daftarReq, DetailPengumuman.this);  rc\_list\_request.setAdapter(recyclerViewAdapter);  loading.dismiss();  }   @Override  public void onCancelled(@NonNull DatabaseError error) {  System.*out*.println(error.getDetails()+""+error.getMessage());  loading.dismiss();  }  });  } } |

* Klik kanan layout>new>LayoutResourceFile>beri nama item\_pengumuman

|  |
| --- |
| *<?*xml version="1.0" encoding="utf-8"*?>* <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="wrap\_content"  xmlns:app="http://schemas.android.com/apk/res-auto"  android:paddingLeft="2dp"  android:paddingRight="2dp"  android:orientation="vertical"  android:id="@+id/lnrlyt">   <androidx.cardview.widget.CardView  android:layout\_width="match\_parent"  android:layout\_height="210dp"  android:layout\_marginTop="7dp"  android:layout\_marginBottom="7dp"  app:cardCornerRadius="10dp"  app:cardElevation="3dp"  app:cardUseCompatPadding="true"  style="@style/CardView.Light">   <androidx.constraintlayout.widget.ConstraintLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:padding="12dp">   <ImageView  android:id="@+id/img\_announce"  android:layout\_width="120dp"  android:layout\_height="170dp"  android:src="@drawable/notfound"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />   <View  android:id="@+id/view1"  android:layout\_width="2dp"  android:layout\_height="wrap\_content"  android:alpha=".5"  android:background="#bababa"  android:padding="8dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.036"  app:layout\_constraintStart\_toEndOf="@+id/img\_announce"  app:layout\_constraintTop\_toTopOf="parent" />   <TextView  android:id="@+id/txt\_kepada"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="12dp"  android:padding="10dp"  android:text="Kepada"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.304"  app:layout\_constraintStart\_toEndOf="@+id/view1"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.076" />   <TextView  android:id="@+id/txt\_informasi"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="12dp"  android:layout\_marginTop="7dp"  android:padding="10dp"  android:maxLength="1000"  android:maxLines="5"  android:ellipsize="end"  android:justificationMode="inter\_word"  android:text="Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. "  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toEndOf="@+id/view1"  app:layout\_constraintTop\_toBottomOf="@+id/txt\_kepada"  app:layout\_constraintVertical\_bias="0.126" />   </androidx.constraintlayout.widget.ConstraintLayout>  </androidx.cardview.widget.CardView>  </LinearLayout> |

* Klik kanan adapter pada java > new>javaclass> beri nama RequestPengumumanAdapter

|  |
| --- |
| package com.example.monggolapor.adapter;  import android.app.Activity; import android.content.Intent; import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup; import android.widget.ImageView; import android.widget.LinearLayout; import android.widget.TextView;  import androidx.annotation.NonNull; import androidx.recyclerview.widget.RecyclerView;  import com.bumptech.glide.Glide; import com.example.monggolapor.Pengumuman; import com.example.monggolapor.R; import com.example.monggolapor.model.PengumumanRequests;  import java.util.List;  public class RequestPengumumanAdapter extends RecyclerView.Adapter<RequestPengumumanAdapter.MyViewHolder> {  private List<PengumumanRequests> moviesList;  private Activity mActivity;   public RequestPengumumanAdapter(List<PengumumanRequests> moviesList, Activity mActivity) {  this.moviesList = moviesList;  this.mActivity = mActivity;  }   @NonNull  @Override  public MyViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  View view = LayoutInflater.*from*(parent.getContext()).inflate(R.layout.*item\_pengumuman*, parent, false);   return new MyViewHolder(view);  }   public class MyViewHolder extends RecyclerView.ViewHolder {  public LinearLayout linearLayout;  public TextView nama, informasi;  public ImageView imageView;   public MyViewHolder(@NonNull View itemView) {  super(itemView);  linearLayout = itemView.findViewById(R.id.*lnrlyt*);  nama = itemView.findViewById(R.id.*txt\_kepada*);  informasi = itemView.findViewById(R.id.*txt\_informasi*);  imageView = itemView.findViewById(R.id.*img\_announce*);  }  }   @Override  public void onBindViewHolder(@NonNull MyViewHolder holder, int position) {  final PengumumanRequests movie = moviesList.get(position);   holder.nama.setText(movie.getPengirim());  holder.informasi.setText(movie.getInformasi());  Glide.*with*(mActivity).load(movie.getImage()).into(holder.imageView);   holder.linearLayout.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  Intent getDetail = new Intent(mActivity, Pengumuman.class);   getDetail.putExtra("id", movie.getKey());  getDetail.putExtra("pengirim", movie.getPengirim());  getDetail.putExtra("topik", movie.getTopik());  getDetail.putExtra("informasi", movie.getInformasi());  getDetail.putExtra("ditujukan", movie.getInformasi());  getDetail.putExtra("image", movie.getImage());   mActivity.startActivity(getDetail);  }  });  }   @Override  public int getItemCount() {  return moviesList.size();  } } |

* Klik kanan model pada java >new>javaclass>berinama PengumumanRequest

|  |
| --- |
| package com.example.monggolapor.model;  import com.google.firebase.database.IgnoreExtraProperties;  import java.io.Serializable;  @IgnoreExtraProperties public class PengumumanRequests implements Serializable {   private String pengirim;  private String topik;  private String informasi;  private String ditujukan;  private String image;   private String Key;   public PengumumanRequests(){   }  public PengumumanRequests(String pengirim, String topik, String informasi,String ditujukan, String image){  this.pengirim = pengirim;  this.topik = topik;  this.informasi = informasi;  this.ditujukan = ditujukan;  this.image = image;  }   public String getPengirim() {  return pengirim;  }   public void setPengirim(String pengirim) {  this.pengirim = pengirim;  }   public String getTopik() {  return topik;  }   public void setTopik(String topik) {  this.topik = topik;  }   public String getInformasi() {  return informasi;  }   public void setInformasi(String informasi) {  this.informasi = informasi;  }   public String getDitujukan() {  return ditujukan;  }   public void setDitujukan(String ditujukan) {  this.ditujukan = ditujukan;  }   public String getImage() {  return image;  }   public void setImage(String image) {  this.image = image;  }   public String getKey() {  return Key;  }   public void setKey(String key) {  Key = key;  }   @Override  public String toString() {  return "PengumumanRequests{" +  "pengirim='" + pengirim + '\'' +  ", topik='" + topik + '\'' +  ", informasi='" + informasi + '\'' +  ", image='" + image + '\'' +  ", Key='" + Key + '\'' +  '}';  } } |

1. **Membuat About**

* Buat activity baru beri nama aboutt
* Buka res>layout>activity\_aboutt.xml

|  |
| --- |
| *<?*xml 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"  tools:context=".aboutt"  android:orientation="vertical"  android:background="#9FDA5A">   <androidx.core.widget.NestedScrollView  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#E4FBC9"  android:scrollbars="none">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical">   <RelativeLayout  android:layout\_width="match\_parent"  android:layout\_height="280dp">   <ImageView  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:scaleType="centerCrop"  android:src="@drawable/kel"/>   <View  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#34504D4D"/>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_centerInParent="true"  android:gravity="center"  android:orientation="vertical">   <Button  android:id="@+id/btacc"  android:layout\_width="300dp"  android:layout\_height="45dp"  android:background="@color/colorPrimary"  android:text="Contact Us"  android:textAllCaps="false"  android:textColor="#fff"  android:textStyle="bold"  android:fontFamily="sans-serif-medium"/>   <TextView  android:layout\_width="300dp"  android:layout\_height="wrap\_content"  android:gravity="center"  android:textColor="#f4f4f4"  android:fontFamily="sans-serif-medium"  android:textSize="18dp"  android:text="Aplikasi ini di kerjakan oleh tim yang solid"/>  </LinearLayout>  </RelativeLayout>   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="15dp"  android:text="OUR TEAM"  android:textSize="24dp"  android:textColor="@color/colorPrimary"  android:fontFamily="sans-serif-medium"  android:gravity="center"/>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="15dp"  android:layout\_marginRight="15dp"  android:layout\_marginTop="15dp"  android:gravity="center\_horizontal"  android:orientation="horizontal">   <LinearLayout  android:layout\_width="0dp"  android:clickable="true"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:gravity="center"  android:orientation="vertical">   <com.mikhaellopez.circularimageview.CircularImageView  android:layout\_width="50dp"  android:layout\_height="50dp"  android:src="@drawable/just"  app:civ\_border="true"  app:civ\_border\_color="@color/colorRed"  app:civ\_border\_width="2dp"  app:civ\_shadow="true"  app:civ\_shadow\_radius="0"/>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="5dp"  android:text="Khumairoh As"  android:textColor="@color/colorPrimaryDark"  android:fontFamily="sans-serif-medium/"/>  <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Back end"  android:textColor="@color/grey\_40"  android:fontFamily="sans-serif-light/"/>   </LinearLayout>  <LinearLayout  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:gravity="center"  android:orientation="vertical">   <com.mikhaellopez.circularimageview.CircularImageView  android:layout\_width="50dp"  android:layout\_height="50dp"  android:src="@drawable/just"  app:civ\_border="true"  app:civ\_border\_color="@color/colorRed"  app:civ\_border\_width="2dp"  app:civ\_shadow="true"  app:civ\_shadow\_radius="0"/>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="5dp"  android:text="Justin N"  android:textColor="@color/colorPrimaryDark"  android:fontFamily="sans-serif-medium/"/>  <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Lead"  android:textColor="@color/grey\_40"  android:fontFamily="sans-serif-light/"/>   </LinearLayout>  <LinearLayout  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:gravity="center"  android:orientation="vertical">   <com.mikhaellopez.circularimageview.CircularImageView  android:layout\_width="50dp"  android:layout\_height="50dp"  android:src="@drawable/just"  app:civ\_border="true"  app:civ\_border\_color="@color/colorRed"  app:civ\_border\_width="2dp"  app:civ\_shadow="true"  app:civ\_shadow\_radius="0"/>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="5dp"  android:text="Gina Fr"  android:textColor="@color/colorPrimaryDark"  android:fontFamily="sans-serif-medium/"/>  <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Back end"  android:textColor="@color/grey\_40"  android:fontFamily="sans-serif-light/"/>   </LinearLayout>  </LinearLayout>  <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="15dp"  android:layout\_marginRight="15dp"  android:layout\_marginTop="15dp"  android:gravity="center\_horizontal"  android:orientation="horizontal">   <LinearLayout  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:gravity="center"  android:orientation="vertical">   <com.mikhaellopez.circularimageview.CircularImageView  android:layout\_width="50dp"  android:layout\_height="50dp"  android:src="@drawable/just"  app:civ\_border="true"  app:civ\_border\_color="@color/colorRed"  app:civ\_border\_width="2dp"  app:civ\_shadow="true"  app:civ\_shadow\_radius="0"/>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="5dp"  android:text="Bhelaya As"  android:textColor="@color/colorPrimaryDark"  android:fontFamily="sans-serif-medium/"/>  <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Design"  android:textColor="@color/grey\_40"  android:fontFamily="sans-serif-light/"/>   </LinearLayout>  <LinearLayout  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:gravity="center"  android:orientation="vertical">   <com.mikhaellopez.circularimageview.CircularImageView  android:layout\_width="50dp"  android:layout\_height="50dp"  android:src="@drawable/just"  app:civ\_border="true"  app:civ\_border\_color="@color/colorRed"  app:civ\_border\_width="2dp"  app:civ\_shadow="true"  app:civ\_shadow\_radius="0"/>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="5dp"  android:text="Anggrea Oni"  android:textColor="@color/colorPrimaryDark"  android:fontFamily="sans-serif-medium/"/>  <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Back end"  android:textColor="@color/grey\_40"  android:fontFamily="sans-serif-light/"/>   </LinearLayout>  </LinearLayout>  <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="15dp"  android:orientation="vertical"  android:paddingBottom="15dp"  android:paddingLeft="20dp"  android:paddingRight="20dp"  android:paddingTop="15dp">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:text="Mission"  android:textColor="@color/colorPrimaryDark"  android:fontFamily="sans-serif-light/"  android:gravity="center"/>  <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:text="@string/lorem"  android:layout\_marginTop="15dp"/>  </LinearLayout>  <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:background="#BBEC82"  android:orientation="vertical"  android:paddingBottom="15dp"  android:paddingLeft="20dp"  android:paddingRight="20dp"  android:paddingTop="15dp">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:text="Address"  android:textColor="@color/colorPrimary"  android:fontFamily="sans-serif-light/"  android:gravity="center"/>   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:text="Jalan Pati Tayu"  android:layout\_marginTop="10dp"  android:textColor="@color/grey\_40"/>  <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:text="Jawa Tengah, Indonesia"  android:layout\_marginTop="10dp"  android:textColor="@color/grey\_40"/>  <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:text="085210050196"  android:layout\_marginTop="10dp"  android:textColor="@color/grey\_40"/>  </LinearLayout>    </LinearLayout>   </androidx.core.widget.NestedScrollView>   </LinearLayout> |

* Buka java> aboutt.java

|  |
| --- |
| package com.example.monggolapor;  import androidx.appcompat.app.AppCompatActivity;  import android.os.Bundle;  public class aboutt extends AppCompatActivity {   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_aboutt*);  } } |

1. **Membuat Profile**

* Klik kanan model>new>javaclass>beri nama masyarakat

|  |
| --- |
| package com.example.monggolapor.model;  public class Masyarakat {  private String nik;  private String nama;  private String password;  private String email;  private String imgUri;  private String gender;  private String status;  private String alamat;  private String wa;  private String urlFb;  private String urlIg;  private String urlTwt;   public Masyarakat() {  }   public String getEmail() {  return email;  }   public void setEmail(String email) {  this.email = email;  }   public String getImgUri() {  return imgUri;  }   public void setImgUri(String imgUri) {  this.imgUri = imgUri;  }   public Masyarakat(String nik, String nama\_lengkap, String password, String email) {  this.nik = nik;  this.nama = nama\_lengkap;  this.password = password;  this.email = email;  }   public Masyarakat(String nik, String nama\_lengkap, String password, String email, String imgUri) {  this.nik = nik;  this.nama = nama\_lengkap;  this.password = password;  this.email = email;  this.imgUri = imgUri;  }   public String getNis() {  return nik;  }   public void setNis(String nis) {  this.nik = nis;  }   public String getNama\_lengkap() {  return nama;  }   public void setNama\_lengkap(String nama\_lengkap) {  this.nama = nama\_lengkap;  }   public String getPassword() {  return password;  }    public void setPassword(String password) {  this.password = password;  }   public String getGender() {  return gender;  }   public void setGender(String gender) {  this.gender = gender;  }   public String getStatus() {  return status;  }   public void setStatus(String status) {  this.status = status;  }   public String getAlamat() {  return alamat;  }   public void setAlamat(String alamat) {  this.alamat = alamat;  }   public String getWa() {  return wa;  }   public void setWa\_number(String wa\_number) {  this.wa = wa\_number;  }   public String getUrlFb() {  return urlFb;  }   public void setFb\_profile(String fb\_profile) {  this.urlFb = fb\_profile;  }   public String getUrlIg() {  return urlIg;  }   public void setUrlIg(String ig\_profile) {  this.urlIg = ig\_profile;  }   public String getUrlTwt() {  return urlTwt;  }   public void setTwt\_profile(String twt\_profile) {  this.urlTwt = twt\_profile;  } } |

* Klik kanan model>new>javaclass>berinama Request

|  |
| --- |
| package com.example.monggolapor.model;  import com.google.firebase.database.IgnoreExtraProperties;  import java.io.Serializable;  @IgnoreExtraProperties public class Requests implements Serializable {   private String subject;  private String laporan;  private String judul;  private String ImageLapor;   private String key;   public Requests(){   }   public Requests(String subject, String judul, String laporan, String ImageLapor){   this.subject = subject;  this.judul = judul;  this.laporan = laporan;  this.ImageLapor = ImageLapor;  }   public String getSubject() {  return subject;  }   public void setSubject(String subject) {  this.subject = subject;  }   public String getJudul() {  return judul;  }   public void setJudul(String judul) {  this.judul = judul;  }   public String getLaporan() {  return laporan;  }   public void setLaporan(String laporan) {  this.laporan = laporan;  }   public String getImageLapor() {  return ImageLapor;  }   public void setImageLapor(String imageUrl) {  this.ImageLapor = imageUrl;  }   public String getKey() {  return key;  }   public void setKey(String key) {  this.key = key;  }   @Override  public String toString(){  return ""+subject+"\n"+""+judul+"\n"+""+laporan+"\n"+""+ImageLapor;  } } |

* Klik kanan model>new>javaclass>beri nama User

|  |
| --- |
| package com.example.monggolapor.model;  import java.io.Serializable;  public class User implements Serializable {  private String email;  private String password;  private String nama;  private String nik;    public User(String nama, String email, String pass, String nik) {  this.nama = nama;  this.email = email;  this.password = pass;  this.nik = nik;  }    public String getNama() {  return nama;  }   public void setNama(String nama) {  this.nama = nama;  }   public String getEmail() {  return email;  }   public void setEmail(String email) {  this.email = email;  }   public String getPass() {  return password;  }   public void setPass(String pass) {  this.password = pass;  }   public String getNik() {  return nik;  }   public void setNik(String nik) {  this.nik = nik;  } *// @Override // public String toString() { // return " " + email + "\n" + " " + nama + "\n" + " " + nis + "\n"; // }* } |

* Klik kanan layout >new>LayoutResourceFile>beri nama toolbar

|  |
| --- |
| *<?*xml version="1.0" encoding="utf-8"*?>* <androidx.appcompat.widget.Toolbar xmlns:android="http://schemas.android.com/apk/res/android"  android:orientation="vertical"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:background="@color/alertSuccessFontColor"  android:elevation="4dp"  android:theme="@style/AppTheme">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:text="ActionBar"  android:textColor="#fff"  android:textSize="20sp"/> </androidx.appcompat.widget.Toolbar> |

* Klik kanan layout>new>LayoutResourceFile>beri nama drawer\_header

|  |
| --- |
| *<?*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:orientation="vertical"  android:layout\_width="match\_parent"  android:layout\_height="220dp"  android:background="@color/alertSuccessFontColor">  <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical"  android:layout\_alignParentBottom="true"  android:paddingBottom="16dp"  android:paddingLeft="16dp">   <de.hdodenhof.circleimageview.CircleImageView  android:id="@+id/imgUser"  android:layout\_width="80dp"  android:layout\_height="80dp"  android:layout\_marginTop="42dp"  android:src="@drawable/ic\_profile"  android:layout\_marginBottom="16dp"/>   <TextView  android:id="@+id/tvTitle"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:fontFamily="@font/monserrat\_regular"  android:text="Username"  android:textColor="#fff"  android:textSize="28sp"  android:textStyle="bold" />   <TextView  android:id="@+id/tvSubtitle"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:fontFamily="@font/monserrat\_regular"  android:text="12345"  android:textColor="#fff"  android:textSize="18sp" />  </LinearLayout>  </RelativeLayout> |

* Klik kanan java >new>activity>Empty activity> beri nama EditProfile
* Klik kanan java >new>activity>Empty activity> beri nama PrifileUser
* Buka res>layout>activity\_profile\_user.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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#567A13"  tools:context=".ProfileUser">   <com.google.android.material.floatingactionbutton.FloatingActionButton  android:id="@+id/fab1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_gravity="end|bottom"  android:layout\_margin="15dp"  android:layout\_marginEnd="24dp"  android:layout\_marginBottom="24dp"  android:backgroundTint="@color/colorAccent"  app:srcCompat="@drawable/ic\_baseline\_edit\_24"  app:borderWidth="0dp"  android:foregroundGravity="center"  app:maxImageSize="30dp"  app:elevation="6dp"  app:fabSize="normal"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent" />   <TextView  android:id="@+id/profile\_name"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginStart="20dp"  android:layout\_marginTop="40dp"  android:fontFamily="@font/monserrat\_regular"  android:text="Gina FerL"  android:textStyle="bold"  android:textColor="#fff"  android:textSize="25sp"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />   <TextView  android:id="@+id/profile\_email"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="@font/monserrat\_regular"  android:text="gina@gmail.com"  android:textColor="#fff"  android:textSize="13sp"  app:layout\_constraintStart\_toStartOf="@+id/profile\_name"  app:layout\_constraintTop\_toBottomOf="@+id/profile\_name" />   <RelativeLayout  android:id="@+id/relativeLayout3"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintTop\_toTopOf="parent">   </RelativeLayout>   <androidx.cardview.widget.CardView  android:id="@+id/cardView2"  android:layout\_width="336dp"  android:layout\_height="500dp"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  android:padding="10dp"  app:cardCornerRadius="10dp"  app:layout\_constraintBottom\_toBottomOf="@+id/profile\_image"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="parent">   <ScrollView  android:layout\_width="match\_parent"  android:layout\_height="503dp">    <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:orientation="vertical">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="17dp"  android:layout\_marginTop="12dp"  android:layout\_marginEnd="17dp"  android:layout\_marginBottom="12dp"  android:drawablePadding="5dp"  android:fontFamily="@font/monserrat\_medium"  android:text="Tentang Saya"  android:textAlignment="center"  android:textColor="#000"  android:textSize="18sp"  android:textStyle="bold" />   <View  android:layout\_width="match\_parent"  android:layout\_height="1dp"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  android:background="#bababa" />   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="12dp"  android:layout\_marginTop="12dp"  android:layout\_marginEnd="12dp"  android:orientation="vertical">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:drawableLeft="@drawable/ic\_baseline\_person\_pin\_24"  android:drawablePadding="5dp"  android:fontFamily="@font/monserrat\_medium"  android:paddingLeft="5dp"  android:text="Nomor Induk Kependudukan"  android:textColor="#000"  android:textSize="16sp"  android:textStyle="bold" />   <TextView  android:id="@+id/profile\_nik"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="2dp"  android:fontFamily="@font/monserrat\_medium"  android:paddingLeft="36dp"  android:text="0033890756783412"  android:textSize="14sp" />   </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="12dp"  android:layout\_marginTop="12dp"  android:layout\_marginEnd="12dp"  android:orientation="vertical">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:drawableLeft="@drawable/ic\_baseline\_wc\_24"  android:drawablePadding="5dp"  android:fontFamily="@font/monserrat\_medium"  android:paddingLeft="5dp"  android:text="Jenis Kelamin"  android:textColor="#000"  android:textSize="16sp"  android:textStyle="bold" />   <TextView  android:id="@+id/profile\_gender"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="2dp"  android:fontFamily="@font/monserrat\_medium"  android:paddingLeft="36dp"  android:text="P"  android:textSize="14sp" />   </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="12dp"  android:layout\_marginTop="12dp"  android:layout\_marginEnd="12dp"  android:orientation="vertical">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:drawableLeft="@drawable/ic\_baseline\_account\_circle\_24"  android:drawablePadding="5dp"  android:fontFamily="@font/monserrat\_medium"  android:paddingLeft="5dp"  android:text="Status"  android:textColor="#000"  android:textSize="16sp"  android:textStyle="bold" />   <TextView  android:id="@+id/profile\_status"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="2dp"  android:fontFamily="@font/monserrat\_medium"  android:paddingLeft="36dp"  android:text="Siswa/Mahasiswa"  android:textSize="14sp" />   </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="12dp"  android:layout\_marginTop="12dp"  android:layout\_marginEnd="12dp"  android:orientation="vertical">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:drawableLeft="@drawable/ic\_baseline\_call\_24"  android:drawablePadding="5dp"  android:fontFamily="@font/monserrat\_medium"  android:paddingLeft="5dp"  android:text="Telepon"  android:textColor="#000"  android:textSize="16sp"  android:textStyle="bold" />   <TextView  android:id="@+id/profile\_number"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="2dp"  android:fontFamily="@font/monserrat\_medium"  android:paddingLeft="36dp"  android:text="08XXXXXXXXXX"  android:textSize="14sp" />   </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="12dp"  android:layout\_marginTop="12dp"  android:layout\_marginEnd="12dp"  android:orientation="vertical">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:drawableLeft="@drawable/ic\_baseline\_location\_on\_24"  android:drawablePadding="5dp"  android:fontFamily="@font/monserrat\_medium"  android:paddingLeft="5dp"  android:text="Alamat"  android:textColor="#000"  android:textSize="16sp"  android:textStyle="bold" />   <TextView  android:id="@+id/profile\_address"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="2dp"  android:fontFamily="@font/monserrat\_medium"  android:paddingLeft="36dp"  android:text="Pati"  android:textSize="14sp" />   </LinearLayout>   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="114dp"  android:layout\_marginStart="12dp"  android:layout\_marginTop="16dp"  android:layout\_marginEnd="12dp"  android:layout\_marginBottom="16dp"  android:orientation="vertical">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:drawableLeft="@drawable/ic\_baseline\_insert\_link\_24"  android:drawablePadding="5dp"  android:fontFamily="@font/monserrat\_medium"  android:paddingLeft="5dp"  android:text="Temukan aku"  android:textColor="#000"  android:textSize="16sp"  android:textStyle="bold" />   <LinearLayout  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="16dp">   <ImageView  android:id="@+id/buttonwhatsapp"  android:layout\_width="50dp"  android:layout\_height="50dp"  android:layout\_margin="5dp"  android:clickable="true"  android:padding="8dp"  android:src="@drawable/grup" />   <ImageView  android:id="@+id/profile\_fb"  android:layout\_width="50dp"  android:layout\_height="50dp"  android:layout\_margin="5dp"  android:padding="8dp"  android:src="@drawable/grup" />   <ImageView  android:id="@+id/profile\_ig"  android:layout\_width="50dp"  android:layout\_height="50dp"  android:layout\_margin="5dp"  android:autoLink="web"  android:padding="8dp"  android:src="@drawable/grup" />   <ImageView  android:id="@+id/profile\_twitter"  android:layout\_width="50dp"  android:layout\_height="50dp"  android:layout\_margin="5dp"  android:clickable="true"  android:padding="8dp"  android:src="@drawable/grup" />  </LinearLayout>   </LinearLayout>    </LinearLayout>   </ScrollView>   </androidx.cardview.widget.CardView>   <de.hdodenhof.circleimageview.CircleImageView  android:id="@+id/profile\_image"  android:layout\_width="120dp"  android:layout\_height="120dp"  android:layout\_marginTop="70dp"  android:src="@drawable/notfound"  app:civ\_border\_color="#fff"  app:civ\_border\_width="5dp"  app:layout\_constraintBottom\_toTopOf="@+id/cardView2"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.461" /> </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java>ProfileUser.java

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| package com.example.monggolapor;  import android.content.ActivityNotFoundException; import android.content.Intent; import android.net.Uri; import android.os.Bundle; import android.view.View; import android.widget.ImageView; import android.widget.TextView; import android.widget.Toast;  import com.bumptech.glide.Glide; import com.google.android.material.floatingactionbutton.FloatingActionButton; import com.google.firebase.auth.FirebaseAuth; import com.google.firebase.database.DataSnapshot; import com.google.firebase.database.DatabaseError; import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase; import com.google.firebase.database.ValueEventListener;  import de.hdodenhof.circleimageview.CircleImageView;  import androidx.annotation.NonNull; import androidx.appcompat.app.AppCompatActivity;  public class ProfileUser extends AppCompatActivity {   private TextView profileName, profileEmail, profileNIK, profileGender, profileStatus, profileNumber, profileAddress;  private ImageView btnWa, btnFb, btnIg, btnTwt;  private CircleImageView imgUser;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_profile\_user*);   FloatingActionButton floatingActionButton = findViewById(R.id.*fab1*);  floatingActionButton.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  startActivity(new Intent(ProfileUser.this, EditProfile.class));  }  });   profileAddress = findViewById(R.id.*profile\_address*);  profileEmail = findViewById(R.id.*profile\_email*);  profileGender = findViewById(R.id.*profile\_gender*);  profileName = findViewById(R.id.*profile\_name*);  profileNIK = findViewById(R.id.*profile\_nik*);  profileNumber = findViewById(R.id.*profile\_number*);  profileStatus = findViewById(R.id.*profile\_status*);  imgUser = findViewById(R.id.*profile\_image*);  btnWa = findViewById(R.id.*buttonwhatsapp*);  btnFb = findViewById(R.id.*profile\_fb*);  btnIg = findViewById(R.id.*profile\_ig*);  btnTwt = findViewById(R.id.*profile\_twitter*);   DatabaseReference masyarakat = FirebaseDatabase.*getInstance*().getReference("user");  DatabaseReference childMasyarakat = masyarakat.child(FirebaseAuth.*getInstance*().getCurrentUser().getUid());  childMasyarakat.addValueEventListener(new ValueEventListener() {  @Override  public void onDataChange(@NonNull DataSnapshot snapshot) {  try {  profileName.setText(snapshot.child("nama").getValue().toString());  profileEmail.setText(snapshot.child("email").getValue().toString());  profileNIK.setText(snapshot.child("nik").getValue().toString());  profileNumber.setText(snapshot.child("wa").getValue().toString());  profileAddress.setText(snapshot.child("alamat").getValue().toString());  profileGender.setText(snapshot.child("gender").getValue().toString());  profileStatus.setText(snapshot.child("status").getValue().toString());   final String waNumb = snapshot.child("wa").getValue().toString();  final String fbLink = snapshot.child("fb").getValue().toString();  final String IgLink = snapshot.child("ig").getValue().toString();  final String Twtlink = snapshot.child("twt").getValue().toString();   if (!waNumb.equals("")){  btnWa.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  startSupportChat(waNumb);  }  });  } else {  btnWa.setVisibility(View.*GONE*);  }  if (!fbLink.equals("")){  btnFb.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  gotoFb(fbLink);  }  });  } else {  btnFb.setVisibility(View.*GONE*);  }  if (!IgLink.equals("")){  btnIg.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  gotoIg(IgLink);  }  });  } else {  btnIg.setVisibility(View.*GONE*);  }  if (!Twtlink.equals("")){  btnTwt.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  gotoTwt(Twtlink);  }  });  } else {  btnTwt.setVisibility(View.*GONE*);  }  Glide.*with*(getApplicationContext())  .load(snapshot.child("imgUri").getValue().toString()).into(imgUser);  Toast.*makeText*(getApplicationContext(), snapshot.child("imgUri").getValue().toString(), Toast.*LENGTH\_SHORT*).show();  } catch (Exception e){  Toast.*makeText*(getApplicationContext(), ""+e, Toast.*LENGTH\_SHORT*);  }  }   @Override  public void onCancelled(@NonNull DatabaseError error) {   }  });  }   private void gotoFb(String fbLink) {  startActivity(getOpenFacebookIntent(fbLink));  }   private Intent getOpenFacebookIntent(String fbLink) {  try {  getPackageManager().getPackageInfo("com.facebook.katana", 0);  getPackageManager().getPackageInfo("com.facebook.lite", 0);  return new Intent(Intent.*ACTION\_VIEW*, Uri.*parse*("https://facebook.com/profile.php?id=100009488632531"));  } catch (Exception e){  return new Intent(Intent.*ACTION\_VIEW*, Uri.*parse*(fbLink));  }  }   private void gotoIg(String igLink) {  Uri uri = Uri.*parse*(igLink);   Intent intent = new Intent(Intent.*ACTION\_VIEW*, uri);  intent.setPackage("com.instagram.android");  try {  startActivity(intent);  } catch (ActivityNotFoundException e){  startActivity(new Intent(Intent.*ACTION\_VIEW*, Uri.*parse*(igLink)));  }  }   private void gotoTwt(String twtlink) {  try{  startActivity(new Intent(Intent.*ACTION\_VIEW*, Uri.*parse*("https://twitter.com/GFerlindawati")));  } catch (Exception e){  startActivity(new Intent(Intent.*ACTION\_VIEW*, Uri.*parse*(twtlink)));  }  }   private void startSupportChat(String number) {  try {  String trimToNumber = "+6282328884360";  Intent intent = new Intent(Intent.*ACTION\_VIEW*);  intent.setData(Uri.*parse*("https://whatsapp.com/" + number + "/?text" + "Hello Seyeng..."));  startActivity(intent);  } catch (Exception e){  e.printStackTrace();  }  } } |

* Buka res>layout>activity\_edit\_profile.xml

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| *<?*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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:id="@+id/EditProfileActivity"  android:background="@color/alertSuccessFontColor"  tools:context=".EditProfile">    <RelativeLayout  android:id="@+id/relativeLayout"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.032"  tools:layout\_editor\_absoluteX="35dp">   <de.hdodenhof.circleimageview.CircleImageView  android:id="@+id/imgChoose"  android:layout\_width="120dp"  android:layout\_height="120dp"  android:layout\_alignParentStart="true"  android:layout\_alignParentEnd="true"  android:layout\_marginStart="100dp"  android:layout\_marginTop="20dp"  android:layout\_marginEnd="100dp"  android:src="@drawable/notfound"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />    <ProgressBar  android:id="@+id/progressBar"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_centerHorizontal="true"  android:layout\_centerVertical="true"  android:indeterminateDrawable="@drawable/stylepb"  android:indeterminateDuration="@android:integer/config\_mediumAnimTime"  android:visibility="gone" />    </RelativeLayout>   <androidx.cardview.widget.CardView  android:layout\_marginTop="20dp"  android:layout\_width="match\_parent"  android:layout\_height="0dp"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  android:layout\_marginBottom="12dp"  app:cardCornerRadius="10dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/relativeLayout">   <ScrollView  android:layout\_width="match\_parent"  android:layout\_height="match\_parent">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical">   <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="17dp"  android:layout\_marginTop="12dp"  android:layout\_marginEnd="17dp"  android:layout\_marginBottom="12dp"  android:drawablePadding="5dp"  android:fontFamily="@font/monserrat\_medium"  android:text="Edit Profile"  android:textAlignment="center"  android:textColor="#000"  android:textSize="20sp"  android:textStyle="bold" />   <View  android:layout\_width="match\_parent"  android:layout\_height="1dp"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  android:background="#bababa" />   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtNamaLog"  style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="12dp"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  app:errorEnabled="true"  app:passwordToggleEnabled="true">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtNamaP"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center\_vertical"  android:fontFamily="@font/monserrat\_medium"  android:hint="Nama"  android:inputType="text"  android:textSize="16sp" />  </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtEmailLog"  style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  app:errorEnabled="true"  app:passwordToggleEnabled="true">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtEmailP"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center\_vertical"  android:fontFamily="@font/monserrat\_medium"  android:hint="Email"  android:inputType="textEmailAddress"  android:textSize="16sp" />  </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtNisLog"  style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  app:errorEnabled="true"  app:passwordToggleEnabled="true">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtNisP"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center\_vertical"  android:fontFamily="@font/monserrat\_medium"  android:hint="NIK"  android:inputType="number"  android:textSize="16sp" />  </com.google.android.material.textfield.TextInputLayout>   <LinearLayout  android:background="@drawable/border"  android:id="@+id/edtJenkelLog"  android:layout\_width="match\_parent"  android:layout\_marginStart="12dp"  android:layout\_marginBottom="12dp"  android:layout\_marginEnd="12dp"  android:layout\_height="53dp"  android:orientation="vertical"  app:passwordToggleEnabled="true">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginStart="12dp"  android:fontFamily="@font/monserrat\_medium"  android:text="Jenis Kelamin:"  android:textSize="16sp"/>   <Spinner  android:id="@+id/spJenkelP"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center\_vertical" />   <android.widget.TextView  android:id="@+id/tvJenkelError"  android:layout\_width="0dp"  android:layout\_height="0dp"  android:layout\_alignRight="@+id/spJenkelP"  android:layout\_alignBottom="@+id/spJenkelP"  android:layout\_marginTop="0dp"  android:paddingTop="0dp"  android:paddingRight="50dp"  android:focusable="true"  android:focusableInTouchMode="true"  />  </LinearLayout>   <LinearLayout  android:background="@drawable/border"  android:layout\_width="match\_parent"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  android:layout\_marginBottom="12dp"  android:layout\_height="53dp"  android:orientation="vertical"  app:passwordToggleEnabled="true">   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginStart="12dp"  android:fontFamily="@font/monserrat\_medium"  android:text="Status"  android:textSize="16sp"/>   <Spinner  android:id="@+id/spStatusP"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center\_vertical" />   <android.widget.TextView  android:id="@+id/tvStatusError"  android:layout\_width="0dp"  android:layout\_height="0dp"  android:layout\_alignRight="@+id/spJurusanP"  android:layout\_alignBottom="@+id/spJurusanP"  android:layout\_marginTop="0dp"  android:paddingTop="0dp"  android:paddingRight="50dp"  android:focusable="true"  android:focusableInTouchMode="true"  />  </LinearLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtTeleponLog"  style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  app:errorEnabled="true"  app:passwordToggleEnabled="true">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtTeleponP"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center\_vertical"  android:fontFamily="@font/monserrat\_medium"  android:hint="Telepon / Whatsapp"  android:inputType="textPhonetic"  android:textSize="16sp" />  </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtAlamatLog"  style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  android:layout\_width="match\_parent"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  android:layout\_height="wrap\_content"  app:errorEnabled="true"  app:passwordToggleEnabled="true">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtAlamatP"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center\_vertical"  android:fontFamily="@font/monserrat\_medium"  android:hint="Alamat"  android:textSize="16sp" />  </com.google.android.material.textfield.TextInputLayout>   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginStart="12dp"  android:fontFamily="@font/monserrat\_medium"  android:text="Sosial Media (Opsional)"  android:textSize="14sp"/>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtURLFbLog"  style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  android:layout\_width="match\_parent"  android:layout\_marginStart="12dp"  android:layout\_marginTop="8dp"  android:layout\_marginEnd="12dp"  android:layout\_height="wrap\_content"  app:errorEnabled="true"  app:passwordToggleEnabled="true">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtURLFbP"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center\_vertical"  android:fontFamily="@font/monserrat\_medium"  android:hint="URL Profil Facebook "  android:inputType="textUri"  android:textSize="16sp" />  </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edIgUserLog"  style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  android:layout\_width="match\_parent"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  android:layout\_height="wrap\_content"  app:errorEnabled="true"  app:passwordToggleEnabled="true">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtIgUserP"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center\_vertical"  android:fontFamily="@font/monserrat\_medium"  android:hint="URL Profil Instagram "  android:inputType="textUri"  android:textSize="16sp" />  </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtTwUserLog"  style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  android:layout\_width="match\_parent"  android:layout\_marginStart="12dp"  android:layout\_marginEnd="12dp"  android:layout\_height="wrap\_content"  app:errorEnabled="true"  app:passwordToggleEnabled="true">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtTwUserP"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center\_vertical"  android:fontFamily="@font/monserrat\_medium"  android:hint="URL Profil Twitter "  android:inputType="textUri"  android:textSize="16sp" />  </com.google.android.material.textfield.TextInputLayout>   <Button  android:id="@+id/buttonsave"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center"  android:text="save"  android:layout\_margin="10dp"  android:textColor="#fff"  android:background="@color/alertSuccessFontColor"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/edtNisP" />   <TextView  android:id="@+id/textView6"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:gravity="center"  android:text="verifikasi email"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/buttonsave"  app:layout\_constraintVertical\_bias="0.117"  tools:layout\_editor\_absoluteX="16dp" />   </LinearLayout>  </ScrollView>  </androidx.cardview.widget.CardView> </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java > EditProfile.java

|  |
| --- |
| package com.example.monggolapor;  import androidx.annotation.NonNull; import androidx.annotation.Nullable; import androidx.appcompat.app.AlertDialog; import androidx.appcompat.app.AppCompatActivity; import androidx.constraintlayout.widget.ConstraintLayout;  import android.annotation.SuppressLint; import android.content.DialogInterface; import android.content.Intent; import android.graphics.Bitmap; import android.net.Uri; import android.os.Bundle;  import android.provider.MediaStore; import android.util.Log; import android.view.View; import android.widget.\*;  import com.bumptech.glide.Glide; import com.example.monggolapor.model.Masyarakat; import com.google.android.gms.tasks.OnCompleteListener; import com.google.android.gms.tasks.OnFailureListener; import com.google.android.gms.tasks.OnSuccessListener; import com.google.android.gms.tasks.Task; import com.google.android.material.snackbar.BaseTransientBottomBar; import com.google.android.material.snackbar.Snackbar; import com.google.android.material.textfield.TextInputEditText; import com.google.firebase.auth.FirebaseAuth; import com.google.firebase.auth.FirebaseUser; import com.google.firebase.database.DataSnapshot; import com.google.firebase.database.DatabaseError; import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase; import com.google.firebase.database.ValueEventListener; import com.google.firebase.storage.FirebaseStorage; import com.google.firebase.storage.StorageReference; import com.google.firebase.storage.UploadTask;  import java.io.IOException; import java.util.HashMap;  import de.hdodenhof.circleimageview.CircleImageView;  public class EditProfile extends AppCompatActivity implements AdapterView.OnItemSelectedListener{   private static final int *CHOOSE\_IMAGE*= 101;  EditText etNama, etEmail, etNik, etTlpWA, etAlamat, etFb, etIg, etTwt;  Spinner spJekel, spStatus;  TextView tvVerifikasiEmail, tvJenkelError, tvStatusError;  Uri uriProfileImage;  CircleImageView imageView;  ProgressBar progressBar;  String profileImageUrl;  FirebaseAuth mAuth;  FirebaseUser User;  ConstraintLayout editProfile;   @Override  protected void onCreate(final Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_edit\_profile*);  mAuth = FirebaseAuth.*getInstance*();   etNama = findViewById(R.id.*edtNamaP*);  etEmail = findViewById(R.id.*edtEmailP*);  etNik = findViewById(R.id.*edtNisP*);  etAlamat = findViewById(R.id.*edtAlamatP*);  etFb = findViewById(R.id.*edtURLFbP*);  etIg = findViewById(R.id.*edtIgUserP*);  etTwt = findViewById(R.id.*edtTwUserP*);  etTlpWA = findViewById(R.id.*edtTeleponP*);  tvJenkelError = findViewById(R.id.*tvJenkelError*);  tvStatusError = findViewById(R.id.*tvStatusError*);  tvVerifikasiEmail = findViewById(R.id.*textView6*);  spJekel = findViewById(R.id.*spJenkelP*);  spStatus = findViewById(R.id.*spStatusP*);  imageView = findViewById(R.id.*imgChoose*);  editProfile = findViewById(R.id.*EditProfileActivity*);   ArrayAdapter<CharSequence> arrayAdapterGender = ArrayAdapter.*createFromResource*(this, R.array.*gender*, android.R.layout.*simple\_spinner\_item*);  arrayAdapterGender.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spJekel.setAdapter(arrayAdapterGender);  spJekel.setOnItemSelectedListener(this);   ArrayAdapter<CharSequence> arrayAdapterStatus = ArrayAdapter.*createFromResource*(this, R.array.*status*, android.R.layout.*simple\_spinner\_item*);  arrayAdapterGender.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  spStatus.setAdapter(arrayAdapterStatus);  spStatus.setOnItemSelectedListener(this);   User = mAuth.getCurrentUser();  if (User.isEmailVerified()){  Toast.*makeText*(this, "Email is verified", Toast.*LENGTH\_SHORT*).show();  } else {  AlertDialog dialog = new AlertDialog.Builder(EditProfile.this)  .setTitle("Email Verification")  .setMessage("Email belum diverifikasi, silahkan verifikasi terlebih dahulu. Belum menerima Email?")  .setNegativeButton("Oke", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {   }  })  .setPositiveButton("Kirim Ulang", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialog, int which) {  User.sendEmailVerification().addOnCompleteListener(new OnCompleteListener<Void>() {  @Override  public void onComplete(@NonNull Task<Void> task) {  if (task.isSuccessful()){  Toast.*makeText*(getApplicationContext(), "Email berhasil dikirim", Toast.*LENGTH\_SHORT*).show();  } else {  Toast.*makeText*(getApplicationContext(), task.getException().getMessage(), Toast.*LENGTH\_SHORT*).show();  }  }  });  }  }).create();  dialog.show();  }  progressBar = findViewById(R.id.*progressBar*);  loadUserInformation();   imageView.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  showImageChooser();  }  });   findViewById(R.id.*buttonsave*).setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  String nama = etNama.getText().toString();  String email = etEmail.getText().toString();  String nik = etNik.getText().toString();  String gender = spJekel.getSelectedItem().toString();  String status = spStatus.getSelectedItem().toString();  String alamat = etAlamat.getText().toString();   saveUserInformation(new Masyarakat(etEmail.getText().toString(), etNama.getText().toString(), etNik.getText().toString(), profileImageUrl));  }  });   }   private void loadUserInformation() {  FirebaseUser User = mAuth.getCurrentUser();  if (User != null){  if (User.getPhotoUrl() != null){  Toast.*makeText*(getApplicationContext(),User.getPhotoUrl().toString(), Toast.*LENGTH\_SHORT*).show();  Log.*d*("tag", "PhotoLink" + User.getPhotoUrl().toString());  }  DatabaseReference masyarakat = FirebaseDatabase.*getInstance*().getReference("user");  DatabaseReference childMasyarakat = masyarakat.child(mAuth.getCurrentUser().getUid());  childMasyarakat.addValueEventListener(new ValueEventListener() {  @Override  public void onDataChange(@NonNull DataSnapshot snapshot) {  try {  etEmail.setText(snapshot.child("email").getValue().toString());  etNama.setText(snapshot.child("nama").getValue().toString());  etNik.setText(snapshot.child("nik").getValue().toString());  etAlamat.setText(snapshot.child("alamat").getValue().toString());  etTlpWA.setText(snapshot.child("wa").getValue().toString());  etIg.setText(snapshot.child("ig").getValue().toString());  etFb.setText(snapshot.child("fb").getValue().toString());  etTwt.setText(snapshot.child("twt").getValue().toString());  if (snapshot.child("gender").getValue().toString().equals("laki-laki")) {  spJekel.setSelection(1);  } else if (snapshot.child("gender").getValue().toString().equals("perempuan")) {  spJekel.setSelection(2);  }  if (snapshot.child("status").getValue().toString().equals("WNI")) {  spStatus.setSelection(1);  } else if (snapshot.child("status").getValue().toString().equals("WNA")) {  spStatus.setSelection(2);  }  Glide.*with*(getApplicationContext())  .load(snapshot.child("imgUri").getValue().toString()).into(imageView);  }catch (Exception e){  Toast.*makeText*(getApplicationContext(),""+e, Toast.*LENGTH\_SHORT*);  }   }   @Override  public void onCancelled(@NonNull DatabaseError error) {   }  });  }  }   private void saveUserInformation(Masyarakat masyarakat) {  String nama = etNama.getText().toString();  String email = etEmail.getText().toString();  String nik = etNik.getText().toString();  String gender = spJekel.getSelectedItem().toString();  String status = spStatus.getSelectedItem().toString();  String alamat = etAlamat.getText().toString();  String wa = etTlpWA.getText().toString();  String ig = etIg.getText().toString();  String fb = etFb.getText().toString();  String twiter = etTwt.getText().toString();   if (nama.isEmpty()){  etNama.setError("Nama Harus di isi");  etNama.requestFocus();  return;  }  if (email.isEmpty()){  etEmail.setError("email Harus di isi");  etEmail.requestFocus();  return;  }  if (nik.isEmpty()){  etNik.setError("nik Harus di isi");  etNik.requestFocus();  return;  }  if (gender.equals("- Pilih Gender -")){  tvJenkelError.setError("Gender Harus di isi");  tvJenkelError.requestFocus();  Snackbar.*make*(editProfile,"Mohon Mengisi Gender", BaseTransientBottomBar.*LENGTH\_SHORT*).show();  }  if (status.equals("- Pilih Status -")){  tvStatusError.setError("Status Harus di isi");  tvStatusError.requestFocus();  Snackbar.*make*(editProfile,"Mohon Mengisi Status",BaseTransientBottomBar.*LENGTH\_SHORT*).show();  }  if (alamat.isEmpty()){  etAlamat.setError("alamat Harus di isi");  etAlamat.requestFocus();  return;  }  if (!fb.contains("Facebook")&& !fb.isEmpty()){  etFb.setError("Mohon Masukan url dengan benar");  etFb.requestFocus();  }  if (!ig.contains("Instagram")&& !ig.isEmpty()){  etIg.setError("Mohon Masukan url dengan benar");  etIg.requestFocus();  }  if (!twiter.contains("Twiter")&& !twiter.isEmpty()){  etTwt.setError("Mohon Masukan url dengan benar");  etTwt.requestFocus();  }  FirebaseUser User = mAuth.getCurrentUser();   if (User!= null){  progressBar.setVisibility(View.*VISIBLE*);  HashMap<String, Object> values = new HashMap<>();  values.put("nama",etNama.getText().toString());  values.put("email",etEmail.getText().toString());  values.put("nik",etNik.getText().toString());  values.put("gender",gender);  values.put("status",status);  values.put("alamat",alamat);  values.put("wa",wa);  values.put("fb",fb);  values.put("ig",ig);  values.put("twt",twiter);  values.put("imgUri", profileImageUrl);  DatabaseReference masyarakattt = FirebaseDatabase.*getInstance*().getReference("user");  DatabaseReference childMasyarakat = masyarakattt.child(mAuth.getCurrentUser().getUid());  childMasyarakat.updateChildren(values).addOnSuccessListener(new OnSuccessListener<Void>() {  @Override  public void onSuccess(Void aVoid) {  progressBar.setVisibility(View.*GONE*);  }  });  }  }   private void showImageChooser() {  android.content.Intent intent = new Intent();  intent.setType("image/\*");  intent.setAction(Intent.*ACTION\_GET\_CONTENT*);  startActivityForResult(android.content.Intent.*createChooser*(intent, "Pilih foto profile"), *CHOOSE\_IMAGE*);  }   @Override  protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {  super.onActivityResult(requestCode, resultCode, data);   if (requestCode == *CHOOSE\_IMAGE* && resultCode == *RESULT\_OK* && data != null && data.getData() != null){  uriProfileImage = data.getData();  try {  Bitmap bitmap = MediaStore.Images.Media.*getBitmap*(getContentResolver(), uriProfileImage);  imageView.setImageBitmap(bitmap);  uploadImageToFirebaseStorage();  } catch (IOException e){  e.printStackTrace();  }  }  }   private void uploadImageToFirebaseStorage() {  final StorageReference profileImageRef = FirebaseStorage.*getInstance*().getReference("PhotoProfile/" +System.*currentTimeMillis*()+ ".jpg");  if (uriProfileImage != null){  progressBar.setVisibility(View.*VISIBLE*);  profileImageRef.putFile(uriProfileImage)  .addOnSuccessListener(new OnSuccessListener<UploadTask.TaskSnapshot>() {  @Override  public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {  progressBar.setVisibility(View.*GONE*);  taskSnapshot.getStorage().getDownloadUrl().addOnCompleteListener(new OnCompleteListener<Uri>() {  @Override  public void onComplete(@NonNull Task<Uri> task) {  profileImageUrl = task.getResult().toString();  Toast.*makeText*(EditProfile.this, "upload sukses" + profileImageUrl, Toast.*LENGTH\_SHORT*).show();  }  });  }  }).addOnFailureListener(new OnFailureListener() {  @Override  public void onFailure(@NonNull Exception e) {  progressBar.setVisibility(View.*GONE*);  Toast.*makeText*(EditProfile.this, "gagal upload", Toast.*LENGTH\_SHORT*).show();  }  });  }  }   @Override  public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {  String text = parent.getItemAtPosition(position).toString();  }   @Override  public void onNothingSelected(AdapterView<?> parent) {   } } |

1. **Mengganti AndroidManifest**

* Buka app>manifest>AndroidManifest.xml

|  |
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| *<?*xml version="1.0" encoding="utf-8"*?>* <manifest xmlns:android="http://schemas.android.com/apk/res/android"  package="com.example.monggolapor">   <uses-permission android:name="android.permission.INTERNET" />   <application  android:allowBackup="true"  android:icon="@mipmap/ic\_launcher"  android:label="@string/app\_name"  android:roundIcon="@mipmap/ic\_launcher\_round"  android:supportsRtl="true"  android:theme="@style/AppTheme">  <activity android:name=".EditProfile"></activity>  <activity android:name=".ProfileUser" />  <activity android:name=".DetailPengumuman" />  <activity android:name=".Pengumuman" />  <activity  android:name=".NewDetailActivity"  android:theme="@style/AppTheme.NoActionBar" />  <activity android:name=".aboutt" />  <activity  android:name=".feeds"  android:theme="@style/Theme.Design.Light.NoActionBar" />  <activity  android:name=".aspirasi"  android:theme="@style/Theme.Design.Light.NoActionBar" />  <activity  android:name=".event"  android:theme="@style/Theme.Design.Light.NoActionBar" />  <activity  android:name=".lapor"  android:theme="@style/Theme.Design.Light.NoActionBar" />  <activity  android:name=".isi"  android:theme="@style/AppTheme" />  <activity  android:name=".splashscreen"  android:theme="@style/Theme.Design.Light.NoActionBar">  <intent-filter>  <action android:name="android.intent.action.MAIN" />   <category android:name="android.intent.category.LAUNCHER" />  </intent-filter>  </activity>  <activity  android:name=".MainActivity"  android:theme="@style/Theme.Design.Light.NoActionBar" />  <activity  android:name=".Register"  android:theme="@style/Theme.Design.Light.NoActionBar" />  </application>  </manifest> |

1. **MEMBUAT ADMIN MOLOR**
2. **Mengganti kode-kode pada values**

* Buka res>values>color.xml

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| *<?*xml version="1.0" encoding="utf-8"*?>* <resources>  <color name="grey\_10">#e6e6e6</color>  <color name="grey\_40">#999999</color>  <color name="grey\_80">#37474F</color>  <color name="grey\_90">#37474F</color>  <color name="amber\_600">#263238</color>  <color name="colorPrimary">#00D897</color>  <color name="colorPrimaryDark">#324741</color>  <color name="colorAccent">#423737</color>  <color name="link">#3553BC</color>  <color name="title">#fff</color>  <color name="backgroundAbout">#00FF3F</color>   <color name="alertPrimary">#cce5ff</color>  <color name="alertPrimaryFontColor">#004085</color>  <color name="alertSuccess">#d4edda</color>  <color name="alertSuccessFontColor">#155724</color>  <color name="alertDanger">#f8d7da</color>  <color name="alertDangerFontColor">#721c24</color>  <color name="alertWarning">#fff3cd</color>  <color name="alertWarningFontColor">#856404</color>  <color name="alertInfo">#d1ecf1</color>  <color name="alertInfoFontColor">#0c5460</color>  <color name="alertSecondary">#e2e3e5</color>  <color name="alertSecondaryFontColor">#383d41</color>   <color name="colorWhite">#ffffff</color>  <color name="colorPurple">#983CFF</color>  <color name="colorPurpleT">#64983cff</color>  <color name="colorBlue">#2FB4FF</color>  <color name="colorBlueT">#642fb4ff</color>  <color name="colorRed">#e13d5f</color>  <color name="colorGrey">#ebebeb</color>   <color name="btnPrimary">#007bff</color>  <color name="btnSecondary">#6c757d</color>  <color name="btnSuccess">#28a745</color>  <color name="btnDanger">#dc3545</color>  <color name="btnWarning">#ffc107</color>  <color name="btnInfo">#17a2b8</color> </resources> |

* Buka res>values>style.xml

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| <resources>   <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">  *<!-- Customize your theme here. -->* <item name="colorPrimary">@color/colorPrimary</item>  <item name="colorPrimaryDark">@color/colorPrimaryDark</item>  <item name="colorAccent">@color/colorAccent</item>  <item name="android:windowContentTransitions">true</item>  </style>  <style name="AppTheme.NoActionBar">  <item name="android:windowDrawsSystemBarBackgrounds">true</item>  <item name="android:statusBarColor">@android:color/transparent</item>  <item name="android:windowTranslucentStatus">true</item>  <item name="windowActionBar">false</item>  <item name="windowNoTitle">true</item>  </style>   <style name="MyAppBarLayoutTheme" parent="@style/ThemeOverlay.AppCompat.Dark.ActionBar">  <item name="colorControlHighlight">@color/colorAccent</item>  </style>  </resources> |

1. **Mengganti kode-kode pada Gradle**

* Buka Gradle Scripts>build.gradle(Module:Monggo\_Lapor.adminmolor)

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| plugins **{** id 'com.android.application'  id 'com.google.gms.google-services' **}** android **{** compileSdkVersion 30  buildToolsVersion "30.0.2"   defaultConfig **{** applicationId "com.example.adminmolor"  minSdkVersion 21  targetSdkVersion 30  versionCode 1  versionName "1.0"   testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"  **}** buildTypes **{** release **{** minifyEnabled false  proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'), 'proguard-rules.pro'  **}  }** compileOptions **{** sourceCompatibility JavaVersion.*VERSION\_1\_8* targetCompatibility JavaVersion.*VERSION\_1\_8* **} }** dependencies **{** implementation 'androidx.appcompat:appcompat:1.1.0'  implementation 'com.google.android.material:material:1.1.0'  implementation 'androidx.constraintlayout:constraintlayout:1.1.3'  implementation 'com.google.firebase:firebase-database:19.5.0'  implementation 'com.google.firebase:firebase-storage:19.2.0'  implementation 'com.github.bumptech.glide:glide:4.9.0'  implementation 'com.github.bumptech.glide:glide:4.7.1'  implementation 'com.google.firebase:firebase-messaging:20.3.0'  implementation 'com.android.volley:volley:1.1.0'  implementation 'org.ocpsoft.prettytime:prettytime:4.0.1.Final'  annotationProcessor 'com.github.bumptech.glide:compiler:4.7.1'  testImplementation 'junit:junit:4.+'  androidTestImplementation 'androidx.test.ext:junit:1.1.1'  androidTestImplementation 'androidx.test.espresso:espresso-core:3.2.0' **}** |

1. **Membuat Dashboard**

* Buat activity baru beri nama Dashboard
* Buka res>layout>activity\_dashboard.xml

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| *<?*xml version="1.0" encoding="utf-8"*?>* <androidx.constraintlayout.widget.ConstraintLayout 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"  xmlns:app="http://schemas.android.com/apk/res-auto"  tools:context=".Dashboard"  android:background="@drawable/bgnew">  <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:orientation="vertical"  android:layout\_marginTop="250dp">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="horizontal"/>   <androidx.cardview.widget.CardView  android:layout\_width="300dp"  android:layout\_height="100dp"  app:cardBackgroundColor="@android:color/transparent"  app:cardElevation="2dp"  app:cardCornerRadius="8dp"  android:layout\_gravity="center\_horizontal">  <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="horizontal"  android:layout\_marginTop="10dp">   <ImageView  android:id="@+id/gmb\_lpor"  android:layout\_width="120dp"  android:padding="5dp"  android:layout\_height="85dp"  android:layout\_alignParentRight="true"  android:layout\_alignParentBottom="true"  android:src="@drawable/aspirasi" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_centerHorizontal="true"  android:layout\_gravity="center"  android:text="LAPORAN"  android:textColor="@color/btnSuccess"  android:textSize="20dp" />    </LinearLayout>  </androidx.cardview.widget.CardView>    <androidx.cardview.widget.CardView  android:layout\_width="300dp"  android:layout\_height="100dp"  android:layout\_gravity="center\_horizontal"  android:layout\_marginTop="25dp"  app:cardBackgroundColor="@android:color/transparent"  app:cardCornerRadius="8dp"  app:cardElevation="2dp">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="10dp"  android:orientation="horizontal">   <ImageView  android:id="@+id/aspirasi\_gmb"  android:layout\_width="120dp"  android:padding="5dp"  android:layout\_height="85dp"  android:layout\_alignParentRight="true"  android:layout\_alignParentBottom="true"  android:src="@drawable/aspirasi" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_centerHorizontal="true"  android:layout\_gravity="center"  android:text="ASPIRASI"  android:textColor="@color/btnSuccess"  android:textSize="20dp" />   </LinearLayout>  </androidx.cardview.widget.CardView>   <androidx.cardview.widget.CardView  android:layout\_width="300dp"  android:layout\_height="100dp"  app:cardBackgroundColor="@android:color/transparent"  app:cardElevation="2dp"  app:cardCornerRadius="10dp"  android:layout\_marginTop="25dp"  android:layout\_gravity="center\_horizontal">  <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="horizontal"  android:layout\_marginTop="10dp">   <ImageView  android:layout\_width="120dp"  android:layout\_height="85dp"  android:padding="5dp"  android:id="@+id/pengumuman"  android:src="@drawable/aspirasi"  android:layout\_alignParentRight="true"  android:layout\_alignParentBottom="true" />   <TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_centerHorizontal="true"  android:layout\_gravity="center"  android:text="PENGUMUMAN"  android:textColor="@color/btnSuccess"  android:textSize="20dp" />   </LinearLayout>  </androidx.cardview.widget.CardView>   </LinearLayout>  </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java>Dashboard.java

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| --- |
| package com.example.adminmolor;  import androidx.appcompat.app.AppCompatActivity;  import android.content.Intent; import android.os.Bundle; import android.view.View; import android.widget.ImageView;  public class Dashboard extends AppCompatActivity {   private ImageView gntlprn, gntasprs, gntpngmmn;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.activity\_dashboard);   gntlprn = findViewById(R.id.gmb\_lpor);  gntasprs = findViewById(R.id.aspirasi\_gmb);  gntpngmmn = findViewById(R.id.pengumuman);   gntlprn.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  startActivity(new Intent(Dashboard.this, ListActivity.class)  .putExtra("id", "")  .putExtra("subject", "")  .putExtra("judul", "")  .putExtra("laporan", "")  .putExtra("img", ""));  }  });   gntasprs.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  startActivity(new Intent(Dashboard.this, DetailAspirasi.class)  .putExtra("id", "")  .putExtra("dari", "")  .putExtra("kepada", "")  .putExtra("aspirasi", ""));  }  });   gntpngmmn.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  startActivity(new Intent(Dashboard.this, List\_Pengumuman.class));  }  });  } } |

1. **Membuat Laporan**

* Buat package baru pada java beri nama adapter
* Buat package baru pada java beri nama model
* Buat activity baru beri nama ListActivity
* Buka res>layout>activity\_main.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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#94D1A2"  tools:context=".MainActivity">   <ImageView  android:id="@+id/back"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.489"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.002"  app:srcCompat="@drawable/awan3" />   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/boxSubject"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:padding="5dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0."  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView8"  app:layout\_constraintVertical\_bias="0.084">   <EditText  android:id="@+id/subject"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:hint="Subject"  android:textSize="15sp"  android:padding="10dp"/>   </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/boxJudul"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/boxSubject"  app:layout\_constraintVertical\_bias="0.0"  android:padding="5dp">   <EditText  android:id="@+id/judul"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:hint="Judul"  android:padding="10dp"  android:textSize="15sp"/>   </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/boxLaporan"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="5dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/boxJudul"  app:layout\_constraintVertical\_bias="0.0"  android:padding="5dp">   <EditText  android:id="@+id/isiLaporan"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:hint="Laporan"  android:padding="10dp"  android:textSize="15sp"/>   </com.google.android.material.textfield.TextInputLayout>    <LinearLayout  android:id="@+id/linearLayout"  android:layout\_width="match\_parent"  android:layout\_height="400dp"  android:layout\_marginStart="15dp"  android:layout\_marginTop="0dp"  android:layout\_marginEnd="15dp"  android:orientation="vertical"  android:padding="10dp"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="1.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/boxLaporan"  app:layout\_constraintVertical\_bias="0.0">     <ImageView  android:id="@+id/imageLapor"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:layout\_margin="10dp"  android:padding="10dp"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintVertical\_bias="0.0" />   </LinearLayout>      <TextView  android:id="@+id/textView8"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginStart="174dp"  android:layout\_marginEnd="179dp"  android:layout\_marginBottom="173dp"  android:fontFamily="@font/monserrat\_bold"  android:text="FORM LAPORAN"  android:textColor="@color/btnSuccess"  android:textSize="30sp"  android:textStyle="bold"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.487"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.001" />   </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java > MainActivity.java

|  |
| --- |
| package com.example.adminmolor;  import androidx.appcompat.app.AppCompatActivity;  import android.app.ProgressDialog; import android.net.Uri; import android.os.Bundle; import android.widget.EditText; import android.widget.ImageView; import android.widget.Toast;  import com.bumptech.glide.Glide; import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase; import com.google.firebase.storage.FirebaseStorage; import com.google.firebase.storage.StorageReference;  public class MainActivity extends AppCompatActivity {   private DatabaseReference databaseReference;  private StorageReference storageReference;  private FirebaseStorage firebaseStorage;   private EditText etSubject, etJudul, etLaporan;  private ProgressDialog loading;  private ImageView imageView;   private String sPid, sPsubject, sPjudul, sPlaporan, sPimage;  public Uri imageUri;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_main*);   databaseReference = FirebaseDatabase.*getInstance*().getReference();  firebaseStorage = FirebaseStorage.*getInstance*();  storageReference = firebaseStorage.getReference();   sPid = getIntent().getStringExtra("id");  sPsubject = getIntent().getStringExtra("subject");  sPjudul = getIntent().getStringExtra("judul");  sPlaporan = getIntent().getStringExtra("laporan");  sPimage = getIntent().getStringExtra("img");   etSubject = findViewById(R.id.*subject*);  etJudul = findViewById(R.id.*judul*);  etLaporan = findViewById(R.id.*isiLaporan*);  imageView = findViewById(R.id.*imageLapor*);   etSubject.setText(sPsubject);  etJudul.setText(sPjudul);  etLaporan.setText(sPlaporan);  Glide.*with*(this).load(sPimage).into(imageView); *// Toast.makeText(MainActivity.this, "gambar tampil " + sPimage, Toast.LENGTH\_SHORT).show();* } } |

* Buka res>layout>activity\_list.xml

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| --- |
| *<?*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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:padding="10dp"  tools:context=".ListActivity"> <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:orientation="vertical">  <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:padding="10dp"  android:layout\_marginBottom="10dp"  android:text="Detail Laporan"  android:textColor="#8E8C8C"  android:textSize="15sp"  android:gravity="center\_horizontal"/>   <androidx.recyclerview.widget.RecyclerView  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#fff"  android:id="@+id/rc\_list\_request"  android:clipToPadding="false"/>  </LinearLayout> </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java > ListActivity.java

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| package com.example.adminmolor;  import androidx.annotation.NonNull; import androidx.appcompat.app.AppCompatActivity; import androidx.recyclerview.widget.DefaultItemAnimator; import androidx.recyclerview.widget.LinearLayoutManager; import androidx.recyclerview.widget.RecyclerView;  import android.app.ProgressDialog; import android.os.Bundle; import android.widget.ProgressBar;  import com.example.adminmolor.adapter.RecyclerViewAdapter; import com.example.adminmolor.model.Requests; import com.google.firebase.database.DataSnapshot; import com.google.firebase.database.DatabaseError; import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase; import com.google.firebase.database.ValueEventListener;  import java.util.ArrayList;  public class ListActivity extends AppCompatActivity {   private DatabaseReference databaseReference;   private ArrayList<Requests> daftarReq;  private RecyclerViewAdapter recyclerViewAdapter;  private RecyclerView rc\_list\_request;  private ProgressDialog loading;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_list*);   databaseReference = FirebaseDatabase.*getInstance*().getReference();   rc\_list\_request = findViewById(R.id.*rc\_list\_request*);  RecyclerView.LayoutManager layoutManager = new LinearLayoutManager(getApplicationContext());  rc\_list\_request.setLayoutManager(layoutManager);  rc\_list\_request.setItemAnimator(new DefaultItemAnimator());   loading = ProgressDialog.*show*(ListActivity.this, null, "Please Waiting", true, false);   databaseReference.child("Request").addValueEventListener(new ValueEventListener() {  @Override  public void onDataChange(@NonNull DataSnapshot snapshot) {  daftarReq = new ArrayList<>();  for (DataSnapshot noteDataSnapshot : snapshot.getChildren()){  Requests requests = noteDataSnapshot.getValue(Requests.class);  requests.setKey(noteDataSnapshot.getKey());   daftarReq.add(requests);  }   recyclerViewAdapter = new RecyclerViewAdapter(daftarReq, ListActivity.this);  rc\_list\_request.setAdapter(recyclerViewAdapter);  loading.dismiss();  }   @Override  public void onCancelled(@NonNull DatabaseError error) {  System.*out*.println(error.getDetails()+""+error.getMessage());  loading.dismiss();  }  });  } } |

* Klik kanan layout> new>LayoutResourceFile> beri nama item\_request

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| --- |
| *<?*xml version="1.0" encoding="utf-8"*?>* <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="wrap\_content"  xmlns:app="http://schemas.android.com/apk/res-auto"  android:paddingLeft="2dp"  android:paddingRight="2dp"  android:id="@+id/lnrlyt">    <androidx.cardview.widget.CardView  android:layout\_width="match\_parent"  android:layout\_height="210dp"  android:layout\_marginTop="7dp"  android:layout\_marginBottom="7dp"  app:cardCornerRadius="10dp"  app:cardElevation="3dp"  app:cardUseCompatPadding="true"  style="@style/CardView.Light">   <androidx.constraintlayout.widget.ConstraintLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:padding="12dp">   <ImageView  android:id="@+id/img\_lapor"  android:layout\_width="120dp"  android:layout\_height="170dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />   <View  android:id="@+id/view1"  android:layout\_width="2dp"  android:layout\_height="wrap\_content"  android:alpha=".5"  android:background="#bababa"  android:padding="8dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.036"  app:layout\_constraintStart\_toEndOf="@+id/img\_lapor"  app:layout\_constraintTop\_toTopOf="parent" />   <TextView  android:id="@+id/txt\_judul"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="12dp"  android:padding="10dp"  android:text="Judul Broo"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.333"  app:layout\_constraintStart\_toEndOf="@+id/view1"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.119" />   <TextView  android:id="@+id/txt\_laporan"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="12dp"  android:layout\_marginTop="7dp"  android:padding="10dp"  android:maxLength="1000"  android:maxLines="7"  android:ellipsize="end"  android:justificationMode="inter\_word"  android:text="Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. "  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toEndOf="@+id/view1"  app:layout\_constraintTop\_toBottomOf="@+id/txt\_judul"  app:layout\_constraintVertical\_bias="0.126" />   </androidx.constraintlayout.widget.ConstraintLayout>  </androidx.cardview.widget.CardView> </LinearLayout> |

* Klik package adapter >new>javaclass>beri nama RecyclerViewAdapter

|  |
| --- |
| package com.example.adminmolor.adapter;  import android.app.Activity; import android.content.Intent; import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup; import android.widget.ImageView; import android.widget.LinearLayout; import android.widget.TextView;  import androidx.annotation.NonNull; import androidx.recyclerview.widget.RecyclerView;  import com.bumptech.glide.Glide; import com.example.adminmolor.MainActivity; import com.example.adminmolor.R; import com.example.adminmolor.model.Requests;  import java.util.List;  public class RecyclerViewAdapter extends RecyclerView.Adapter<RecyclerViewAdapter.MyViewHolder> {   private List<Requests> moviesList;  private Activity mActivity;   public RecyclerViewAdapter(List<Requests> moviesList, Activity mActivity) {  this.moviesList = moviesList;  this.mActivity = mActivity;  }   @NonNull  @Override  public MyViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  View view = LayoutInflater.*from*(parent.getContext()).inflate(R.layout.*item\_request*, parent, false);   return new MyViewHolder(view);  }   @Override  public void onBindViewHolder(@NonNull MyViewHolder holder, int position) {  final Requests movie = moviesList.get(position);   holder.txt\_judul.setText(movie.getJudul());  holder.txt\_laporan.setText(movie.getLaporan());  Glide.*with*(mActivity).load(movie.getImageLapor()).into(holder.img\_laporan);   holder.linearLayout.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  Intent getDetail = new Intent(mActivity, MainActivity.class);   getDetail.putExtra("id", movie.getKey());  getDetail.putExtra("subject", movie.getSubject());  getDetail.putExtra("judul", movie.getJudul());  getDetail.putExtra("laporan", movie.getLaporan());  getDetail.putExtra("img", movie.getImageLapor());   mActivity.startActivity(getDetail);  }  });  }   @Override  public int getItemCount() {  return moviesList.size();  }   public class MyViewHolder extends RecyclerView.ViewHolder {  public LinearLayout linearLayout;  public TextView txt\_judul, txt\_laporan;  public ImageView img\_laporan;   public MyViewHolder(@NonNull View itemView) {  super(itemView);  linearLayout = itemView.findViewById(R.id.*lnrlyt*);  txt\_judul = itemView.findViewById(R.id.*txt\_judul*);  txt\_laporan = itemView.findViewById(R.id.*txt\_laporan*);  img\_laporan = itemView.findViewById(R.id.*img\_lapor*);  }  } } |

* Klik package model>new>javaclass>beri nama Request

|  |
| --- |
| package com.example.adminmolor.model;  import com.google.firebase.database.IgnoreExtraProperties;  import java.io.Serializable;  @IgnoreExtraProperties public class Requests implements Serializable {   private String subject;  private String laporan;  private String judul;  private String ImageLapor;   private String key;   public Requests(){   }   public Requests(String subject, String judul, String laporan, String ImageLapor){   this.subject = subject;  this.judul = judul;  this.laporan = laporan;  this.ImageLapor = ImageLapor;  }   public String getSubject() {  return subject;  }   public void setSubject(String subject) {  this.subject = subject;  }   public String getJudul() {  return judul;  }   public void setJudul(String judul) {  this.judul = judul;  }   public String getLaporan() {  return laporan;  }   public void setLaporan(String laporan) {  this.laporan = laporan;  }   public String getImageLapor() {  return ImageLapor;  }   public void setImageLapor(String imageUrl) {  this.ImageLapor = imageUrl;  }   public String getKey() {  return key;  }   public void setKey(String key) {  this.key = key;  }   @Override  public String toString(){  return ""+subject+"\n"+""+judul+"\n"+""+laporan+"\n"+""+ImageLapor;  } } |

1. **Membuat Aspirasi**

* Buat activity baru beri nama DetailAspirasi
* Buat activity baru beri nama FormAspirasi
* Buka res>layout>activity\_detail\_aspirasi.xml

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| --- |
| *<?*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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:padding="10dp"  tools:context=".DetailAspirasi">   <LinearLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:orientation="vertical">  <TextView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:padding="10dp"  android:layout\_marginBottom="10dp"  android:text="Detail Aspirasi"  android:textColor="#8E8C8C"  android:textSize="15sp"  android:gravity="center\_horizontal"/>   <androidx.recyclerview.widget.RecyclerView  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#fff"  android:id="@+id/rc\_aspirasi\_request"  android:clipToPadding="false"/>   </LinearLayout> </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java > DetailAspirasi.java

|  |
| --- |
| package com.example.adminmolor;  import androidx.annotation.NonNull; import androidx.appcompat.app.AppCompatActivity; import androidx.recyclerview.widget.DefaultItemAnimator; import androidx.recyclerview.widget.LinearLayoutManager; import androidx.recyclerview.widget.RecyclerView;  import android.app.ProgressDialog; import android.os.Bundle;  import com.example.adminmolor.adapter.RequestRecyclerViewAdapterAspirasi; import com.example.adminmolor.model.AspirasiRequests; import com.google.firebase.database.DataSnapshot; import com.google.firebase.database.DatabaseError; import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase; import com.google.firebase.database.ValueEventListener;  import java.util.ArrayList;  public class DetailAspirasi extends AppCompatActivity {   private DatabaseReference databaseReference;   private ArrayList<AspirasiRequests> daftarReq;  private RequestRecyclerViewAdapterAspirasi recyclerViewAdapter;  private RecyclerView rc\_list\_request;  private ProgressDialog loading;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_detail\_aspirasi*);   databaseReference = FirebaseDatabase.*getInstance*().getReference();   rc\_list\_request = findViewById(R.id.*rc\_aspirasi\_request*);  RecyclerView.LayoutManager layoutManager = new LinearLayoutManager(getApplicationContext());  rc\_list\_request.setLayoutManager(layoutManager);  rc\_list\_request.setItemAnimator(new DefaultItemAnimator());   loading = ProgressDialog.*show*(DetailAspirasi.this, null, "Please Waiting", true, false);   databaseReference.child("Aspirasi\_Request").addValueEventListener(new ValueEventListener() {  @Override  public void onDataChange(@NonNull DataSnapshot snapshot) {  daftarReq = new ArrayList<>();  for (DataSnapshot noteDataSnapshot : snapshot.getChildren()){  AspirasiRequests aspirasiRequest = noteDataSnapshot.getValue(AspirasiRequests.class);  aspirasiRequest.setKey(noteDataSnapshot.getKey());   daftarReq.add(aspirasiRequest);  }   recyclerViewAdapter = new RequestRecyclerViewAdapterAspirasi(daftarReq, DetailAspirasi.this);  rc\_list\_request.setAdapter(recyclerViewAdapter);  loading.dismiss();  }   @Override  public void onCancelled(@NonNull DatabaseError error) {  System.*out*.println(error.getDetails()+""+error.getMessage());  loading.dismiss();  }  });  } } |

* Buka res>activity\_form\_aspirasi.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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#fff"  tools:context=".DetailAspirasi">   <ImageView  android:id="@+id/back"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.489"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.002"  app:srcCompat="@drawable/awan3" />   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/boxSubject"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:padding="5dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0."  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView8"  app:layout\_constraintVertical\_bias="0.084">   <EditText  android:id="@+id/dari"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:hint="Dari"  android:textSize="15sp"  android:padding="10dp"/>   </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/boxJudul"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/boxSubject"  app:layout\_constraintVertical\_bias="0.0"  android:padding="5dp">   <EditText  android:id="@+id/kepada"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:hint="Kepada"  android:padding="10dp"  android:textSize="15sp"/>   </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/boxLaporan"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="5dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/boxJudul"  app:layout\_constraintVertical\_bias="0.0"  android:padding="5dp">   <EditText  android:id="@+id/subject"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:hint="Subject"  android:padding="10dp"  android:textSize="15sp"/>   </com.google.android.material.textfield.TextInputLayout><Button  android:id="@+id/btnCancel"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_below="@+id/boxpassword"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:background="#C3CA3439"  android:fontFamily="@font/monserrat\_medium"  android:gravity="center"  android:padding="10dp"  android:text="Cancel"  android:textColor="@color/colorAccent"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/btnSave"  app:layout\_constraintVertical\_bias="0.652"  tools:ignore="UnknownId" />   <Button  android:id="@+id/btnSave"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginStart="15sp"  android:layout\_marginEnd="15sp"  android:layout\_marginBottom="100dp"  android:background="@color/alertInfoFontColor"  android:fontFamily="@font/monserrat\_medium"  android:gravity="center"  android:padding="10dp"  android:text="Submit"  android:textColor="@color/colorWhite"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="1.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/linearLayout"  app:layout\_constraintVertical\_bias="0.814" />   <TextView  android:id="@+id/textView8"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginStart="174dp"  android:layout\_marginEnd="179dp"  android:layout\_marginBottom="173dp"  android:fontFamily="@font/monserrat\_bold"  android:text="FORM ASPIRASI"  android:textColor="@color/btnSuccess"  android:textSize="30sp"  android:textStyle="bold"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.487"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.001" />   </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java>FormAspirasi.java

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| package com.example.adminmolor;  import androidx.appcompat.app.AppCompatActivity;  import android.app.ProgressDialog; import android.os.Bundle; import android.widget.EditText;  import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase;  public class FormAspirasi extends AppCompatActivity {   private DatabaseReference databaseReference;   private EditText etDari, etKepada, etAspirasi;  private ProgressDialog loading;   private String sPid, sPdari, sPkepada, sPaspirasi;    @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_form\_aspirasi*);   databaseReference = FirebaseDatabase.*getInstance*().getReference();   sPid = getIntent().getStringExtra("id");  sPdari = getIntent().getStringExtra("dari");  sPkepada = getIntent().getStringExtra("kepada");  sPaspirasi = getIntent().getStringExtra("aspirasi");   etDari = findViewById(R.id.*dari*);  etKepada = findViewById(R.id.*kepada*);  etAspirasi = findViewById(R.id.*subject*);   etDari.setText(sPdari);  etKepada.setText(sPkepada);  etAspirasi.setText(sPaspirasi);  } } |

* Klik kanan layout> new>LayoutResourceFile> beri nama item\_aspirasi

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| *<?*xml version="1.0" encoding="utf-8"*?>* <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="wrap\_content"  xmlns:app="http://schemas.android.com/apk/res-auto"  android:paddingLeft="2dp"  android:paddingRight="2dp"  android:orientation="vertical"  android:id="@+id/lnrlyt">   <androidx.cardview.widget.CardView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="7dp"  android:layout\_marginBottom="7dp"  app:cardCornerRadius="10dp"  app:cardElevation="3dp"  app:cardUseCompatPadding="true"  style="@style/CardView.Light">   <androidx.constraintlayout.widget.ConstraintLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:padding="12dp">   <TextView  android:id="@+id/txt\_kepada"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:padding="10dp"  android:text="Judul Broo"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.333"  app:layout\_constraintStart\_toEndOf="@+id/view1"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.119" />   <TextView  android:id="@+id/txt\_subject"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:ellipsize="end"  android:justificationMode="inter\_word"  android:maxLength="1000"  android:maxLines="7"  android:padding="10dp"  android:text="Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. "  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toEndOf="@+id/view1"  app:layout\_constraintTop\_toBottomOf="@+id/txt\_kepada"  app:layout\_constraintVertical\_bias="0.126" />   </androidx.constraintlayout.widget.ConstraintLayout>  </androidx.cardview.widget.CardView>  </LinearLayout> |

* Klik kanan package adapter>new>javaclass>beri nama RequestRecyclerViewAdapterAspirasi

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| package com.example.adminmolor.adapter;  import android.app.Activity; import android.content.Intent; import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup; import android.widget.LinearLayout; import android.widget.TextView;  import androidx.annotation.NonNull; import androidx.recyclerview.widget.RecyclerView;  import com.example.adminmolor.FormAspirasi; import com.example.adminmolor.R; import com.example.adminmolor.model.AspirasiRequests;   import java.util.List;  public class RequestRecyclerViewAdapterAspirasi extends RecyclerView.Adapter<RequestRecyclerViewAdapterAspirasi.MyViewHolder> {   private List<AspirasiRequests> moviesList;  private Activity mActivity;   public RequestRecyclerViewAdapterAspirasi(List<AspirasiRequests> moviesList, Activity mActivity) {  this.moviesList = moviesList;  this.mActivity = mActivity;  }   @NonNull  @Override  public MyViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  View view = LayoutInflater.*from*(parent.getContext()).inflate(R.layout.*item\_aspirasi*, parent, false);   return new MyViewHolder(view);  }   @Override  public void onBindViewHolder(@NonNull MyViewHolder holder, int position) {  final AspirasiRequests movie = moviesList.get(position);   holder.txt\_kepada.setText(movie.getKepada());  holder.txt\_subject.setText(movie.getAspirasi());   holder.linearLayout.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  Intent getDetail = new Intent(mActivity, FormAspirasi.class);   getDetail.putExtra("id", movie.getKey());  getDetail.putExtra("dari", movie.getDari());  getDetail.putExtra("kepada", movie.getKepada());  getDetail.putExtra("aspirasi", movie.getAspirasi());   mActivity.startActivity(getDetail);  }  });  }   @Override  public int getItemCount() {  return moviesList.size();  }   public class MyViewHolder extends RecyclerView.ViewHolder {  public LinearLayout linearLayout;  public TextView txt\_kepada, txt\_subject;   public MyViewHolder(@NonNull View itemView) {  super(itemView);  linearLayout = itemView.findViewById(R.id.*lnrlyt*);  txt\_kepada = itemView.findViewById(R.id.*txt\_kepada*);  txt\_subject = itemView.findViewById(R.id.*txt\_subject*);  }  } } |

* Klik kanan package model>new>javaclass>berinama AspirasiRequest

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| package com.example.adminmolor.model;  import com.google.firebase.database.IgnoreExtraProperties;  import java.io.Serializable;  @IgnoreExtraProperties public class AspirasiRequests implements Serializable{   private String Dari;  private String Kepada;  private String Aspirasi;   private String key;   public AspirasiRequests(){   }  public AspirasiRequests(String Dari, String Kepada, String Aspirasi){  this.Dari = Dari;  this.Kepada = Kepada;  this.Aspirasi = Aspirasi;  }   public String getDari() {  return Dari;  }   public void setDari(String dari) {  Dari = dari;  }   public String getKepada() {  return Kepada;  }   public void setKepada(String kepada) {  Kepada = kepada;  }   public String getAspirasi() {  return Aspirasi;  }   public void setAspirasi(String aspirasi) {  Aspirasi = aspirasi;  }   public String getKey() {  return key;  }   public void setKey(String key) {  this.key = key;  }   @Override  public String toString() {  return "AspirasiRequests{" +  "Dari='" + Dari + '\'' +  ", Kepada='" + Kepada + '\'' +  ", Aspirasi='" + Aspirasi + '\'' +  ", key='" + key + '\'' +  '}';  }    } |

1. **Membuat Pengumuman**

* Buat activity baru beri nama Pengumuman
* Buat activity baru beri nama ListPengumuman
* Buka res>layout>activity\_pengumuman.xml

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| *<?*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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#80169109"  android:paddingLeft="26dp"  android:paddingRight="26dp"  tools:context=".Pengumuman">   <TextView  android:id="@+id/textView"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="20dp"  android:layout\_marginTop="32dp"  android:fontFamily="@font/monserrat\_bold"  android:text="Welcome to apps"  android:textColor="#fff"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />   <TextView  android:id="@+id/textView2"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="12dp"  android:fontFamily="@font/monserrat\_medium"  android:text="Admin Molor"  android:textColor="#fff"  android:textSize="25sp"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView" />    <androidx.cardview.widget.CardView  android:id="@+id/constraintLayout"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:foreground="?attr/selectableItemBackground"  android:padding="12dp"  android:layout\_marginTop="12dp"  app:cardCornerRadius="12dp"  android:layout\_marginBottom="12dp"  app:cardElevation="0dp"  app:layout\_constraintBottom\_toTopOf="@+id/linearLayout"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView2">   <ScrollView  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content">   <androidx.constraintlayout.widget.ConstraintLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:padding="12dp">   <ImageView  android:id="@+id/profilePic"  android:layout\_width="match\_parent"  android:layout\_height="152dp"  android:background="@drawable/customimage"  android:padding="4dp"  android:src="@drawable/ic\_baseline\_image\_24"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.027" />   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtPassLog"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="16dp"  app:layout\_constraintTop\_toBottomOf="@+id/profilePic">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtPengirim"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="32dp"  android:hint="Topic"  android:textSize="14sp"  app:layout\_constraintTop\_toBottomOf="@+id/profilePic"  tools:layout\_editor\_absoluteX="0dp" />   </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtTopikk"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  app:layout\_constraintTop\_toBottomOf="@+id/edtPassLog">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtTopik"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="32dp"  android:hint="Topic"  android:textSize="14sp"  app:layout\_constraintTop\_toBottomOf="@+id/edtPassLog"  tools:layout\_editor\_absoluteX="0dp" />    </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtinfolog"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  app:layout\_constraintTop\_toBottomOf="@+id/edtTopikk">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/edtInformasi"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="24dp"  android:hint="Informasi"  android:textSize="14sp"  app:layout\_constraintTop\_toBottomOf="@+id/edtTopikk"  tools:layout\_editor\_absoluteX="0dp" />   </com.google.android.material.textfield.TextInputLayout>   <com.google.android.material.textfield.TextInputLayout  android:id="@+id/edtDitujukan"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginBottom="16dp"  app:layout\_constraintTop\_toBottomOf="@+id/edtinfolog">   <com.google.android.material.textfield.TextInputEditText  android:id="@+id/etDiTujukam"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginTop="32dp"  android:hint="Di Tujukan"  android:textSize="14sp"  app:layout\_constraintTop\_toBottomOf="@+id/edtinfolog"  tools:layout\_editor\_absoluteX="0dp" />    </com.google.android.material.textfield.TextInputLayout>    </androidx.constraintlayout.widget.ConstraintLayout>  </ScrollView>  </androidx.cardview.widget.CardView>   <LinearLayout  android:id="@+id/linearLayout"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginBottom="14dp"  android:orientation="vertical"  android:paddingLeft="35dp"  android:paddingRight="35dp"  app:layout\_constraintBottom\_toBottomOf="parent"  tools:layout\_editor\_absoluteX="26dp">   <Button  android:id="@+id/btnUpload"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center"  android:background="@color/btnSuccess"  android:text="upload"  android:textColor="#fff"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintVertical\_bias="0.052" />   <Button  android:id="@+id/btn\_cancel"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_gravity="center"  android:layout\_marginTop="12dp"  android:background="@color/alertSuccessFontColor"  android:text="Cancel"  android:textColor="#fff"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toStartOf="@+id/btnUpload"  app:layout\_constraintHorizontal\_bias="1.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintVertical\_bias="0.053" />  </LinearLayout> </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java > Pengumuman.java

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| package com.example.adminmolor;  import androidx.annotation.NonNull; import androidx.annotation.Nullable; import androidx.appcompat.app.AppCompatActivity;  import android.app.ProgressDialog; import android.content.Intent; import android.media.Image; import android.net.Uri; import android.os.Bundle; import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.ImageView; import android.widget.TextView; import android.widget.Toast;  import com.bumptech.glide.Glide; import com.example.adminmolor.model.PengumumanRequests; import com.google.android.gms.tasks.OnCompleteListener; import com.google.android.gms.tasks.OnFailureListener; import com.google.android.gms.tasks.OnSuccessListener; import com.google.android.gms.tasks.Task; import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase; import com.google.firebase.storage.FirebaseStorage; import com.google.firebase.storage.OnProgressListener; import com.google.firebase.storage.StorageReference; import com.google.firebase.storage.UploadTask;  import java.util.UUID;  public class Pengumuman extends AppCompatActivity {   private DatabaseReference databaseReference;  private StorageReference storageReference;  private FirebaseStorage firebaseStorage;   private EditText edtPengirim, edtTopik, edtInformasi, edtDitujukan;  private Button btn\_save, btn\_cancel;  private ProgressDialog loading;  private ImageView imgPengumuman;   private Uri imageUri;  private String sId, sPengirim, sTopik, sInformasi, sDitujukan, sImage, SImagePengumuman;    @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_pengumuman*);   databaseReference = FirebaseDatabase.*getInstance*().getReference();  firebaseStorage = FirebaseStorage.*getInstance*();  storageReference = firebaseStorage.getReference();   sId = getIntent().getStringExtra("id");  sPengirim = getIntent().getStringExtra("pengirim");  sTopik = getIntent().getStringExtra("topik");  sInformasi = getIntent().getStringExtra("informasi");  sDitujukan = getIntent().getStringExtra("ditujukan");  sImage = getIntent().getStringExtra("image");   edtInformasi = findViewById(R.id.*edtInformasi*);  edtTopik = findViewById(R.id.*edtTopik*);  edtPengirim = findViewById(R.id.*edtPengirim*);  edtDitujukan = findViewById(R.id.*etDiTujukam*);  imgPengumuman = findViewById(R.id.*profilePic*);  btn\_cancel = findViewById(R.id.*btn\_cancel*);  btn\_save = findViewById(R.id.*btnUpload*);   edtPengirim.setText(sPengirim);  edtTopik.setText(sTopik);  edtInformasi.setText(sInformasi);  edtDitujukan.setText(sDitujukan);  Toast.*makeText*(this, sImage, Toast.*LENGTH\_SHORT*).show();  Glide.*with*(this).load(sImage).into(imgPengumuman);   imgPengumuman.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  showImageChooser();  }  });   if (sId.equals("")) {  btn\_save.setText("Submit");  btn\_cancel.setText("Cancel");  } else {  btn\_save.setText("Edit");  btn\_cancel.setText("Delete");  }   findViewById(R.id.*btnUpload*).setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {   String Spengirim = edtPengirim.getText().toString();  String Stopik = edtTopik.getText().toString();  String Sinformasi = edtInformasi.getText().toString();  String Sditujukan = edtDitujukan.getText().toString();   if (btn\_save.getText().equals("Submit")) {  if (Spengirim.equals("")) {  edtPengirim.setError("Silahkan Masukkan Nama Anda!");  edtPengirim.requestFocus();  } else if (Stopik.equals("")) {  edtTopik.setError("Silahkan Masukkan Topik Anda!");  edtTopik.requestFocus();  } else if (Sinformasi.equals("")) {  edtInformasi.setError("Silahkan Masukkan Informasi Anda!");  edtInformasi.requestFocus();  } else if (Sditujukan.equals("")) {  edtDitujukan.setError("Silahkan Masukkan Orang yang Anda Tuju!");  edtDitujukan.requestFocus();  } else {  loading = ProgressDialog.*show*(Pengumuman.this, null, "Please wait", true, false);   submitAdmin(new PengumumanRequests(Spengirim.toLowerCase(), Stopik.toLowerCase(), Sinformasi.toLowerCase(), Sditujukan.toLowerCase(), SImagePengumuman));  }  } else {  *// perintah edit* if (Spengirim.equals("")) {  edtPengirim.setError("Silahkan Masukkan Nama Anda!");  edtPengirim.requestFocus();  } else if (Stopik.equals("")) {  edtTopik.setError("Silahkan Masukkan Topik Anda!");  edtTopik.requestFocus();  } else if (Sinformasi.equals("")) {  edtInformasi.setError("Silahkan Masukkan Informasi Anda!");  edtInformasi.requestFocus();  } else if (Sditujukan.equals("")) {  edtDitujukan.setError("Silahkan Masukkan Orang yang Anda Tuju!");  edtDitujukan.requestFocus();  } else {  loading = ProgressDialog.*show*(Pengumuman.this, null, "Please wait", true, false);   editAdmin(new PengumumanRequests(Spengirim.toLowerCase(), Stopik.toLowerCase(), Sinformasi.toLowerCase(), Sditujukan.toLowerCase(), SImagePengumuman), sId);  }  }  }  });   btn\_cancel.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {   if (btn\_cancel.getText().equals("Cancel")){  finish();  } else {  databaseReference.child("Pengumuman\_Requests").child(sId).removeValue().addOnSuccessListener(new OnSuccessListener<Void>() {  @Override  public void onSuccess(Void aVoid) {  Toast.*makeText*(Pengumuman.this, "Data Berhasil dihapus", Toast.*LENGTH\_SHORT*).show();  }  });  }  }  });  }   private void editAdmin(PengumumanRequests pengumumanRequests, String sId) {  databaseReference.child("Pengumuman\_Request").child(sId).setValue(pengumumanRequests).addOnSuccessListener(this, new OnSuccessListener<Void>() {  @Override  public void onSuccess(Void aVoid) {  loading.dismiss();   edtPengirim.setText("");  edtTopik.setText("");  edtInformasi.setText("");  edtDitujukan.setText("");   Toast.*makeText*(Pengumuman.this, "Data berhasil diedit", Toast.*LENGTH\_SHORT*).show();  Intent intent = new Intent(Pengumuman.this, List\_Pengumuman.class);  startActivity(intent);  }  });  }   private void submitAdmin(PengumumanRequests pengumumanRequests) {  databaseReference.child("Pengumuman\_Request").push().setValue(pengumumanRequests).addOnSuccessListener(this, new OnSuccessListener<Void>() {  @Override  public void onSuccess(Void aVoid) {  loading.dismiss();   edtPengirim.setText("");  edtTopik.setText("");  edtInformasi.setText("");  edtDitujukan.setText("");   Toast.*makeText*(Pengumuman.this, "Data berhasil diedit", Toast.*LENGTH\_SHORT*).show();  Intent intent = new Intent(Pengumuman.this, List\_Pengumuman.class);  startActivity(intent);  }  });  }   private void showImageChooser() {  Intent intent = new Intent();  intent.setType("image/\*");  intent.setAction(Intent.*ACTION\_GET\_CONTENT*);  startActivityForResult(android.content.Intent.*createChooser*(intent, "Pilih Foto"), 1);  }  @Override  protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data){  super.onActivityResult(requestCode, resultCode, data);   if (requestCode == 1 && resultCode == *RESULT\_OK* && data !=null && data.getData() !=null){  imageUri = data.getData();  imgPengumuman.setImageURI(imageUri);  uploadImagetoFirebaseStrorage();  }  }   private void uploadImagetoFirebaseStrorage() {  final ProgressDialog progressDialog = new ProgressDialog(this);  progressDialog.setTitle("Upload Image");  progressDialog.show();   final String randomKey = UUID.*randomUUID*().toString();  StorageReference riversRef = storageReference.child("images/\*" + randomKey);   riversRef.putFile(imageUri).addOnSuccessListener(new OnSuccessListener<UploadTask.TaskSnapshot>() {  @Override  public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {  progressDialog.dismiss();  taskSnapshot.getStorage().getDownloadUrl().addOnCompleteListener(new OnCompleteListener<Uri>() {  @Override  public void onComplete(@NonNull Task<Uri> task) {  SImagePengumuman = task.getResult().toString();  Toast.*makeText*(Pengumuman.this, "upload image" + SImagePengumuman, Toast.*LENGTH\_SHORT*).show();  }  });  }  }).addOnFailureListener(new OnFailureListener() {  @Override  public void onFailure(@NonNull Exception e) {  progressDialog.dismiss();  Toast.*makeText*(Pengumuman.this, "upload image" + e, Toast.*LENGTH\_SHORT*).show();  }  }).addOnProgressListener(new OnProgressListener<UploadTask.TaskSnapshot>() {  @Override  public void onProgress(@NonNull UploadTask.TaskSnapshot taskSnapshot) {  double progresspercent = (100.00 \* taskSnapshot.getBytesTransferred()/ taskSnapshot.getTotalByteCount());  progressDialog.setMessage("Progress : "+ (int) progresspercent + "%");  }  });  } } |

* Buka res>activity\_list\_pengumuman.xml

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| *<?*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:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#e2e2e2"  tools:context=".List\_Pengumuman">   <androidx.constraintlayout.widget.ConstraintLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:background="#00ffffff"  android:padding="10dp">   <TextView  android:id="@+id/profile\_name"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:fontFamily="@font/monserrat\_regular"  android:text="List Pengumuman"  android:textColor="#000"  android:textSize="16dp"  android:textStyle="bold"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />   <androidx.recyclerview.widget.RecyclerView  android:id="@+id/rcList"  android:layout\_width="match\_parent"  android:layout\_height="0dp"  android:layout\_marginTop="12dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/profile\_name" />   <com.google.android.material.floatingactionbutton.FloatingActionButton  android:id="@+id/fab\_add"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentRight="true"  android:layout\_alignParentBottom="true"  android:layout\_gravity="end|bottom"  android:layout\_marginRight="25dp"  android:layout\_marginBottom="20dp"  android:src="@drawable/ic\_baseline\_add\_24"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent" />  </androidx.constraintlayout.widget.ConstraintLayout> </androidx.constraintlayout.widget.ConstraintLayout> |

* Buka java>ListPengumuman.java

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| package com.example.adminmolor;  import androidx.annotation.NonNull; import androidx.appcompat.app.AppCompatActivity; import androidx.recyclerview.widget.DefaultItemAnimator; import androidx.recyclerview.widget.LinearLayoutManager; import androidx.recyclerview.widget.RecyclerView;  import android.app.ProgressDialog; import android.content.Intent; import android.os.Bundle; import android.view.View; import android.widget.Button;  import com.example.adminmolor.adapter.RecyclerViewAdapter; import com.example.adminmolor.adapter.RequestPengumumanAdapter; import com.example.adminmolor.model.PengumumanRequests; import com.google.android.material.floatingactionbutton.FloatingActionButton; import com.google.firebase.database.DataSnapshot; import com.google.firebase.database.DatabaseError; import com.google.firebase.database.DatabaseReference; import com.google.firebase.database.FirebaseDatabase; import com.google.firebase.database.ValueEventListener;  import java.util.ArrayList;  public class List\_Pengumuman extends AppCompatActivity {   private DatabaseReference databaseReference;   private ArrayList<PengumumanRequests> daftarReq;  private RequestPengumumanAdapter recyclerViewAdapter;  private RecyclerView rc\_list\_request;  private ProgressDialog loading;  private FloatingActionButton btn\_add;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_list\_\_pengumuman*);   databaseReference = FirebaseDatabase.*getInstance*().getReference();   btn\_add = findViewById(R.id.*fab\_add*);  rc\_list\_request = findViewById(R.id.*rcList*);  RecyclerView.LayoutManager layoutManager = new LinearLayoutManager(getApplicationContext());  rc\_list\_request.setLayoutManager(layoutManager);  rc\_list\_request.setItemAnimator(new DefaultItemAnimator());   loading = ProgressDialog.*show*(List\_Pengumuman.this, null, "Please Waiting", true, false);   databaseReference.child("Pengumuman\_Request").addValueEventListener(new ValueEventListener() {  @Override  public void onDataChange(@NonNull DataSnapshot snapshot) {  daftarReq = new ArrayList<>();  for (DataSnapshot noteDataSnapshot : snapshot.getChildren()){  PengumumanRequests pengumumanRequests = noteDataSnapshot.getValue(PengumumanRequests.class);  pengumumanRequests.setKey(noteDataSnapshot.getKey());   daftarReq.add(pengumumanRequests);  }   recyclerViewAdapter = new RequestPengumumanAdapter(daftarReq, List\_Pengumuman.this);  rc\_list\_request.setAdapter(recyclerViewAdapter);  loading.dismiss();  }   @Override  public void onCancelled(@NonNull DatabaseError error) {  System.*out*.println(error.getDetails()+""+error.getMessage());  loading.dismiss();  }  });   btn\_add.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  startActivity(new Intent(List\_Pengumuman.this, Pengumuman.class)  .putExtra("id", "")  .putExtra("pengirim", "")  .putExtra("topik", "")  .putExtra("informasi", "")  .putExtra("ditujukan", "")  .putExtra("image", ""));  }  });  } } |

* Klik kanan layout> new>LayoutResourceFile> beri nama item\_pengumuman

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| *<?*xml 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"  android:id="@+id/linear\_layout"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:orientation="vertical"  android:paddingLeft="16dp"  android:paddingRight="16dp"  android:paddingTop="12dp">   <androidx.cardview.widget.CardView  android:layout\_width="match\_parent"  android:layout\_height="180dp"  android:padding="8dp"  app:cardCornerRadius="12dp"  app:cardElevation="0dp">   <androidx.constraintlayout.widget.ConstraintLayout  android:layout\_width="match\_parent"  android:padding="12dp"  android:layout\_height="180dp">   <TextView  android:id="@+id/tv\_berita"  android:layout\_width="match\_parent"  android:layout\_height="100dp"  android:layout\_marginLeft="4dp"  android:text="informasi"  android:maxLines="4"  android:justificationMode="inter\_word"  android:maxLength="200"  android:ellipsize="end"  android:layout\_marginTop="12dp"  android:fontFamily="@font/monserrat\_regular"  android:textSize="14sp"  android:textStyle="bold"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/view" />  <View  android:id="@+id/view"  android:layout\_width="match\_parent"  android:layout\_height="2dp"  android:alpha=".5"  android:background="#bababa"  android:padding="8dp"  android:layout\_marginTop="12dp"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/tv\_upload" />   <TextView  android:id="@+id/tv\_upload"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_below="@id/tv\_berita"  android:layout\_marginLeft="4dp"  android:fontFamily="@font/monserrat\_regular"  android:gravity="center"  android:text="nama"  android:layout\_marginTop="12dp"  android:textSize="16sp"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />  </androidx.constraintlayout.widget.ConstraintLayout>  </androidx.cardview.widget.CardView> </LinearLayout> |

* Klik kanan package adapter>new>javaclass>beri nama RequestPengumumanAdapter

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| package com.example.adminmolor.adapter;  import android.app.Activity; import android.content.Intent; import android.view.LayoutInflater; import android.view.View; import android.view.ViewGroup; import android.widget.ImageView; import android.widget.LinearLayout; import android.widget.TextView;  import androidx.annotation.NonNull; import androidx.recyclerview.widget.RecyclerView;  import com.bumptech.glide.Glide; import com.example.adminmolor.List\_Pengumuman; import com.example.adminmolor.Pengumuman; import com.example.adminmolor.R; import com.example.adminmolor.model.PengumumanRequests;   import java.util.List;  public class RequestPengumumanAdapter extends RecyclerView.Adapter<RequestPengumumanAdapter.MyViewHolder> {  private List<PengumumanRequests> moviesList;  private Activity mActivity;   public RequestPengumumanAdapter(List<PengumumanRequests> moviesList, Activity mActivity) {  this.moviesList = moviesList;  this.mActivity = mActivity;  }   @NonNull  @Override  public RequestPengumumanAdapter.MyViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  View view = LayoutInflater.*from*(parent.getContext()).inflate(R.layout.*item\_pengumuman*, parent, false);   return new MyViewHolder(view);  }   @Override  public void onBindViewHolder(@NonNull RequestPengumumanAdapter.MyViewHolder holder, int position) {  final PengumumanRequests movie = moviesList.get(position);   holder.nama.setText(movie.getPengirim());  holder.informasi.setText(movie.getInformasi());   holder.linearLayout.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  Intent getDetail = new Intent(mActivity, Pengumuman.class);   getDetail.putExtra("id", movie.getKey());  getDetail.putExtra("pengirim", movie.getPengirim());  getDetail.putExtra("topik", movie.getTopik());  getDetail.putExtra("informasi", movie.getInformasi());  getDetail.putExtra("ditujukan", movie.getInformasi());  getDetail.putExtra("image", movie.getImage());   mActivity.startActivity(getDetail);  }  });  }   @Override  public int getItemCount() {  return moviesList.size();  }   public class MyViewHolder extends RecyclerView.ViewHolder {  public LinearLayout linearLayout;  public TextView nama, informasi;    public MyViewHolder(@NonNull View itemView) {  super(itemView);  linearLayout = itemView.findViewById(R.id.*linear\_layout*);  nama = itemView.findViewById(R.id.*tv\_upload*);  informasi = itemView.findViewById(R.id.*tv\_berita*);  }  } } |

* Klik kanan package model>new>javaclass>berinama PengumumanRequest

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| package com.example.adminmolor.model;  import com.google.firebase.database.IgnoreExtraProperties;  import java.io.Serializable;  @IgnoreExtraProperties public class PengumumanRequests implements Serializable {   private String pengirim;  private String topik;  private String informasi;  private String ditujukan;  private String image;   private String Key;   public PengumumanRequests(){   }  public PengumumanRequests(String pengirim, String topik, String informasi,String ditujukan, String image){  this.pengirim = pengirim;  this.topik = topik;  this.informasi = informasi;  this.ditujukan = ditujukan;  this.image = image;  }   public String getPengirim() {  return pengirim;  }   public void setPengirim(String pengirim) {  this.pengirim = pengirim;  }   public String getTopik() {  return topik;  }   public void setTopik(String topik) {  this.topik = topik;  }   public String getInformasi() {  return informasi;  }   public void setInformasi(String informasi) {  this.informasi = informasi;  }   public String getDitujukan() {  return ditujukan;  }   public void setDitujukan(String ditujukan) {  this.ditujukan = ditujukan;  }   public String getImage() {  return image;  }   public void setImage(String image) {  this.image = image;  }   public String getKey() {  return Key;  }   public void setKey(String key) {  Key = key;  }   @Override  public String toString() {  return "PengumumanRequests{" +  "pengirim='" + pengirim + '\'' +  ", topik='" + topik + '\'' +  ", informasi='" + informasi + '\'' +  ", image='" + image + '\'' +  ", Key='" + Key + '\'' +  '}';  } } |

1. **Mengganti AndroidManifest**

* Adminmolor >manifest>AndoidManifest.xml

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| *<?*xml version="1.0" encoding="utf-8"*?>* <manifest xmlns:android="http://schemas.android.com/apk/res/android"  package="com.example.adminmolor">   <uses-permission android:name="android.permission.INTERNET" />   <application  android:allowBackup="true"  android:icon="@mipmap/ic\_launcher"  android:label="@string/app\_name"  android:roundIcon="@mipmap/ic\_launcher\_round"  android:supportsRtl="true"  android:theme="@style/AppTheme">  <activity android:name=".List\_Pengumuman"></activity>  <activity android:name=".Pengumuman" />  <activity android:name=".FormAspirasi" />  <activity android:name=".DetailAspirasi" />  <activity android:name=".ListActivity" />  <activity android:name=".MainActivity" />  <activity android:name=".Dashboard">  <intent-filter>  <action android:name="android.intent.action.MAIN" />   <category android:name="android.intent.category.LAUNCHER" />  </intent-filter>  </activity>  </application>  </manifest> |

**BAB III**

**PENUTUP**

KESIMPULAN

Berdasarkan pembahasan mengenai Aplikasi diatas bisa disimpulkan bahwa:

Keberadaan aplikasi ini bisa mempermudah Masyarakat untuk memperoleh data dan informasi mengenai kondisi disekitar mereka.

Selain itu aplikasi ini juga bisa dijadikan wadah masyarakat untuk menyampaikan keluhkesah dan aspirasi mereka.

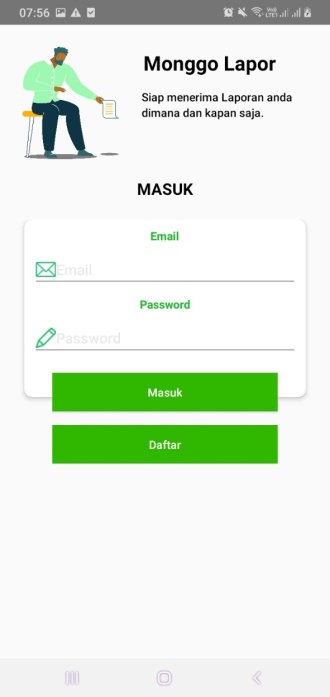
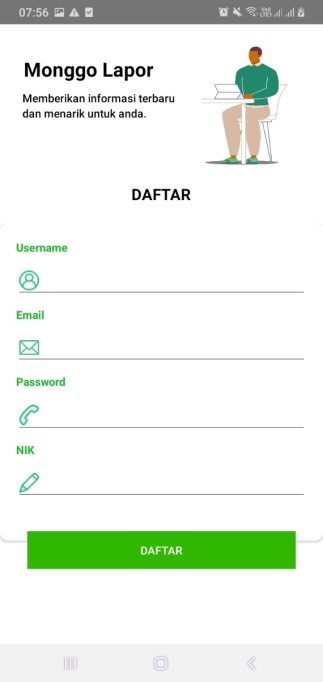
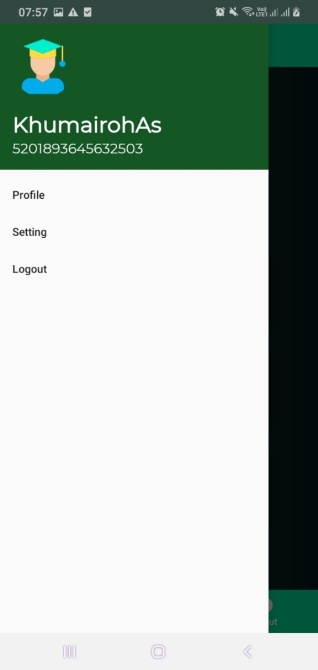
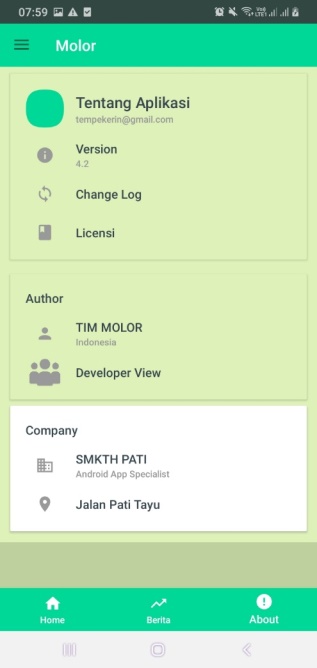
SARAN

Meskipun penulis menginginkan kesempurnaan dalam penyusunan laporan ini akan tetapi pada kenyataannya masih banyak kekurangan yang perlu penulis perbaiki. Hal ini dikarenakan masih minimnya pengetahuan penulis. Oleh karena itu kritik dan saran yang membangun dari para pembaca sangat penulis harapkan sebagai bahan evaluasi untuk kedepannya.

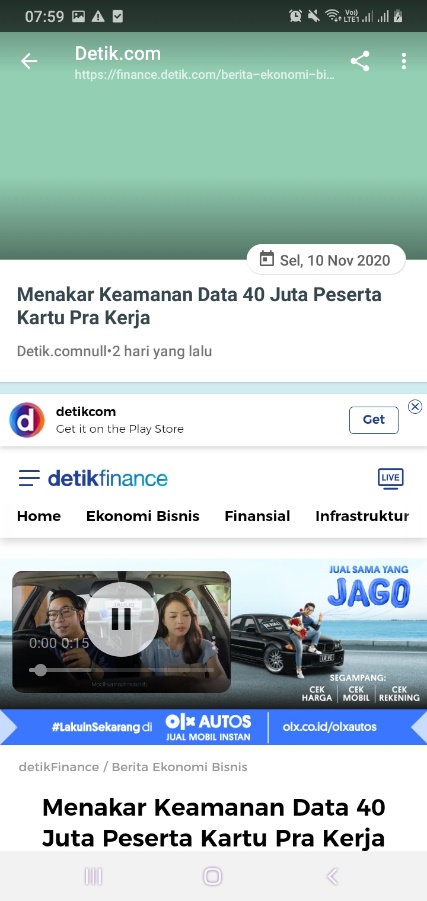
**BAB IV**

**LAMPIRAN**

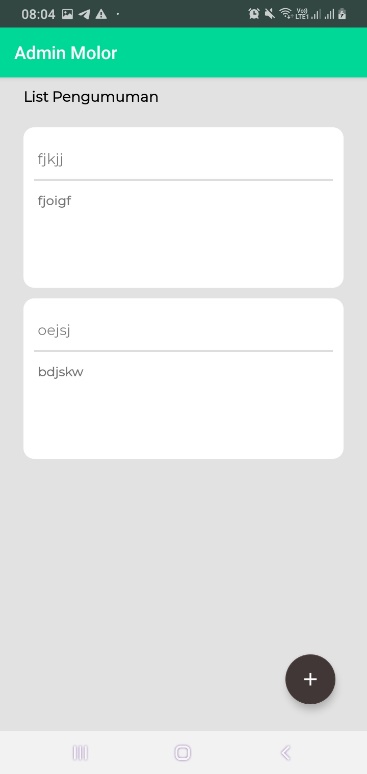
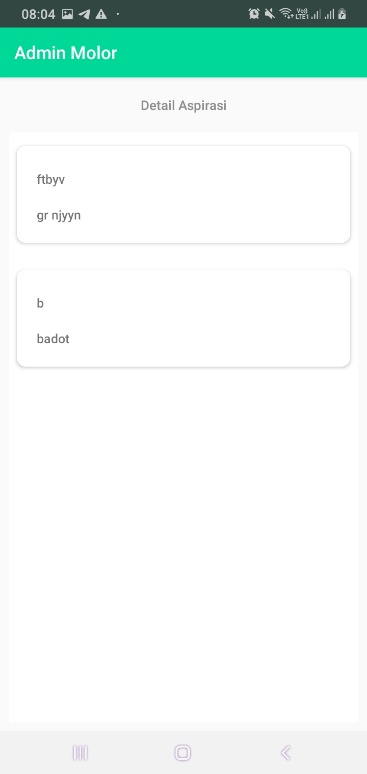
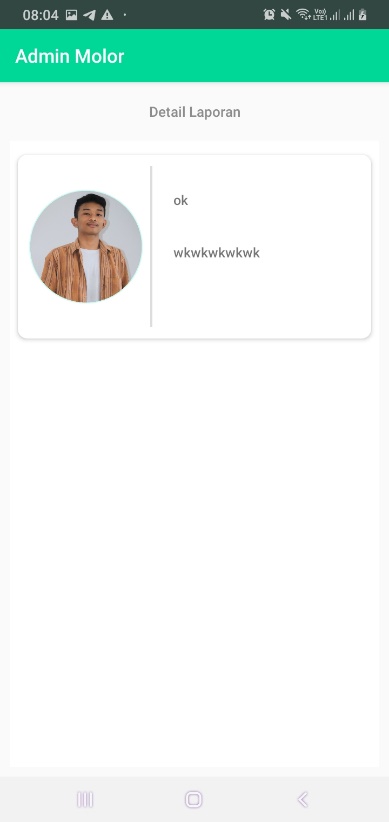
* FOTO TAMPILAN APLIKASI USER







* FOTO TAMPILAN APLIKASI ADMIN



* FOTO KELOMPOK

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