

LAMPIRAN

SOURCE CODE

1. Menu Awal

```
<?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:orientation="vertical"
tools:context=".AwalActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <ImageButton
            android:id="@+id/buttonShowDialog"
            android:layout_marginTop="10dp"
            android:layout_marginLeft="340dp"
            android:layout_width="50dp"
            android:layout_height="50dp"

            android:background="@drawable/ic_info_outline_black_24dp"/>
    </LinearLayout>

    <LinearLayout
        android:orientation="horizontal"
        android:layout_marginRight="50dp"
        android:layout_marginLeft="50dp"
        android:layout_marginBottom="20dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center">

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        android:layout_margin="10dp">

        <ImageButton
            android:id="@+id/btnArtikel"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:background="@drawable/komplain"/>

        <TextView
            android:layout_width="match_parent"
```

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        android:layout_height="wrap_content"
        android:text="Daftar Komplain"
        android:textAlignment="center"
        android:textColor="@color/material_green"
        android:textSize="17dp"
        android:textStyle="bold" />
    </LinearLayout>
</LinearLayout>
</LinearLayout>

package com.bujang_ganong.emkha;

import android.app.AlertDialog;
import android.content.Intent;
import android.os.Bundle;
import androidx.appcompat.app.AppCompatActivity;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageButton;

public class AwalActivity extends AppCompatActivity {

    private ImageButton btnUpload, btnChat, btnArtikel, btnBantuan,
    btnOpenDialog;

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

        btnUpload = (ImageButton) findViewById(R.id.btnUpload);
        btnChat = (ImageButton) findViewById(R.id.btnChat);
        btnBantuan = (ImageButton) findViewById(R.id.btnBantuan);
        btnArtikel = (ImageButton) findViewById(R.id.btnArtikel);

        btnBantuan.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(AwalActivity.this,
                BantuanActivity.class);
                startActivity(intent);
            }
        });

        btnArtikel.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(AwalActivity.this,
                MainActivity.class);
                startActivity(intent);
            }
        });
    }
}

```

```

        btnChat.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(AwalActivity.this,
ChatActivity.class);
                startActivity(intent);
            }
        });

        btnUpload.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(AwalActivity.this,
UploadActivity.class);
                startActivity(intent);
            }
        });

        //attaching click listener
        findViewById(R.id.buttonShowDialog).setOnClickListener(new
View.OnClickListener() {
            @Override
            public void onClick(View v) {

                //calling this method to show our android custom
alert dialog
                showCustomDialog();
            }
        });

        private void showCustomDialog() {
            //before inflating the custom alert dialog layout, we will
get the current activity viewgroup
            ViewGroup viewGroup = findViewById(android.R.id.content);

            //then we will inflate the custom alert dialog xml that we
created
            View dialogView =
LayoutInflater.from(this).inflate(R.layout.menupopup, viewGroup,
false);

            //Now we need an AlertDialog.Builder object
            AlertDialog.Builder builder = new AlertDialog.Builder(this);

            //setting the view of the builder to our custom view that we
already inflated
            builder.setView(dialogView);

```

2. Menu Komplain

```
<?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.bujang_ganong.aku_bilung.emkha.UploadActivity">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_marginTop="0dp"
        android:background="@color/white"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <ScrollView
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_alignParentStart="true"
            android:layout_alignParentTop="true"
            android:layout_marginTop="5dp">

            <LinearLayout
                android:id="@+id/relLayout2"
                android:layout_width="match_parent"
                android:layout_height="500dp"
                android:layout_alignParentBottom="true"
                android:layout_alignParentStart="true"
                android:layout_marginBottom="16dp"
                android:layout_marginEnd="16dp"
                android:layout_marginStart="16dp"
                android:orientation="vertical">

                <ImageButton
                    android:id="@+id/btnImage"
                    android:layout_width="match_parent"
                    android:layout_height="250dp"
                    android:textAlignment="center"
                    android:scaleType="fitXY" />

                <EditText
                    android:id="@+id/deskripsitv"
                    android:layout_width="match_parent"
                    android:layout_height="50dp">
```

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        android:hint="Isi Komplain"
        android:textSize="12dp"
        android:maxLength="100"
        android:inputType="textMultiLine" />
    </LinearLayout>
</ScrollView>

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

package com.bujang_ganong.emkha;

import android.app.ProgressDialog;
import android.content.ContentResolver;
import android.content.Context;

import android.content.Intent;
import android.graphics.Bitmap;
import android.net.Uri;
import android.provider.MediaStore;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.webkit.MimeTypeMap;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageButton;
import android.widget.Toast;
import java.io.FileNotFoundException;
import java.io.IOException;

public class UploadActivity extends AppCompatActivity {

    private static final String TAG = "Uploadactivity";
    private static final int ACTIVITY_NUM = 2;
    private Context mContext = UploadActivity.this;

    private ImageButton btnImages;
    private EditText textNama;
    private EditText textTitle;
    private EditText textDesc;
    private Button btnUpload;

    DatabaseReference db;
    FirebaseHelper helper;
    public static final String FB_STORAGE_PATH = "image/";
    public static final String FB_DATABASE_PATH = "Komplain";

    private static final int GALLERY_REQUEST_CODE = 2;
    private StorageReference storage;

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private FirebaseDatabase database;
private FirebaseAuth mAuth;
private DatabaseReference mDatabaseUsers;
private FirebaseUser mCurrentUser;
private Uri imgUri;
private UploadTask uploadTask;

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

    Log.d(TAG, "onCreate: started.");

    //INITIALIZE FIREBASE DB
    db = FirebaseDatabase.getInstance().getReference();
    helper = new FirebaseHelper(db);

    btnImages = (ImageButton) findViewById(R.id.btnImage);
    textNama = (EditText) findViewById(R.id.nametv);
    textTitle = (EditText) findViewById(R.id.titletv);
    textDesc = (EditText) findViewById(R.id.deskripsitv);
    btnUpload = (Button) findViewById(R.id.btnUpload);

    storage = FirebaseStorage.getInstance().getReference();
    mAuth = FirebaseAuth.getInstance();
    mCurrentUser = mAuth.getCurrentUser();
    mDatabaseUsers =
FirebaseDatabase.getInstance().getReference("Komplain");

    //picking image from gallery
    btnImages.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Intent galleryIntent = new
Intent(Intent.ACTION_GET_CONTENT);
            galleryIntent.setType("image/*");
            startActivityForResult(galleryIntent,
GALLERY_REQUEST_CODE);
        }
    });

    clickupload();
}
public void clickupload () {
    btnUpload.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if (imgUri != null) {

                final ProgressDialog dialog = new
ProgressDialog(UploadActivity.this);
                dialog.setTitle("Uploading image");

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        dialog.show();

        final StorageReference ref =
storage.child(FB_STORAGE_PATH + System.currentTimeMillis() + "." +
getImageExt(imgUri));
        uploadTask = ref.putFile(imgUri);
        Task<Uri> urlTask =
uploadTask.continueWithTask(new
Continuation<UploadTask.TaskSnapshot, Task<Uri>>() {
            @Override
            public Task<Uri> then(@NonNull
Task<UploadTask.TaskSnapshot> task) throws Exception {
                if (!task.isSuccessful()) {
                    throw task.getException();
                }

                // Lanjutkan dengan Task untuk mendapat
Url Gambar

                return ref.getDownloadUrl();
            }
        }).addOnCompleteListener(new
OnCompleteListener<Uri>() {
            @Override
            public void onComplete(@NonNull Task<Uri>
task) {

                if (task.isSuccessful()) {
                    Uri downloadUri = task.getResult();
                    dialog.dismiss();
                    Komplain imageUpload = new

Komplain();

                    imageUpload.setName(textNama.getText().toString());
                    imageUpload.setTitle(textTitle.getText().toString());
                    imageUpload.setDeskripsi(textDesc.getText().toString());
                    imageUpload.setUrl(downloadUri.toString());

                    String uploadId =
mDatabaseUsers.push().getKey();

                    mDatabaseUsers.child(uploadId).setValue(imageUpload);

                    Toast.makeText(UploadActivity.this,
"Upload Sukses", Toast.LENGTH_SHORT).show();
                } else {
                    dialog.dismiss();
                    Toast.makeText(UploadActivity.this,
"Upload Gagal", Toast.LENGTH_SHORT).show();
                }
            }
        })
    }
}

```



```

app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent">

<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/main_recycler_view"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_above="@+id/linLayout_text"
    android:layout_alignParentLeft="true"
    android:layout_alignParentStart="true"
    app:stackFromEnd="true"
    app:reverseLayout="true"
    android:focusableInTouchMode="true">

</androidx.recyclerview.widget.RecyclerView>

<LinearLayout
    android:id="@+id/linLayout_text"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_margin="8dp"
    android:orientation="horizontal">
    <EditText
        android:id="@+id/editText_message"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center_vertical"
        android:layout_weight="1"
        android:ems="10"
        android:hint="Type to compose"
        android:inputType="text"
        android:imeOptions="actionSend" />

        <ImageButton
            android:id="@+id/imageButton_send"
            android:layout_width="46dp"
            android:layout_height="wrap_content"
            android:layout_gravity="center_vertical"
            android:text="Send"

style="@style/Base.Widget.AppCompat.Button.Borderless"
    app:srcCompat="@android:drawable/ic_menu_send"
    android:layout_weight="0.06" />
</LinearLayout>

</RelativeLayout>
<!-- bottom navigation -->

</androidx.constraintlayout.widget.ConstraintLayout>

```

```

package com.bujang_ganong.aku_bilung.emkha;

import android.app.ProgressDialog;
import android.content.ContentResolver;
import android.content.Intent;
import android.graphics.Bitmap;
import android.net.Uri;
import android.provider.MediaStore;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.webkit.MimeTypeMap;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageButton;
import android.widget.Toast;

import java.io.FileNotFoundException;
import java.io.IOException;

public class UpdateDeleteActivity extends AppCompatActivity {

    EditText titletv, nametv, deskripsitv;
    Button btnUpdate;
    DatabaseReference databaseReference;
    private ImageButton btnImages;
    private static final int GALLERY_REQUEST_CODE = 2;
    public static final String FB_STORAGE_PATH = "image/";
    private Uri imgUri;
    private UploadTask uploadTask;
    private DatabaseReference mDatabaseUsers;
    Query updatequery;
    private StorageReference storage;
    String a;

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

        titletv = (EditText) findViewById(R.id.titletv);
        nametv = (EditText) findViewById(R.id.nametv);
        deskripsitv = (EditText) findViewById(R.id.deskripsitv);
        btnImages = (ImageButton) findViewById(R.id.btnImage);
        btnUpdate = (Button) findViewById(R.id.btnUpdate);
        storage = FirebaseStorage.getInstance().getReference();

        btnImages.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent galleryIntent = new
Intent(Intent.ACTION_GET_CONTENT);
                galleryIntent.setType("image/*");

```

```

        startActivityForResult(galleryIntent,
GALLERY_REQUEST_CODE);
    }
});

DatabaseReference ref =
FirebaseDatabase.getInstance().getReference();
Query applesQuery =
ref.child("Komplain").orderByChild("title").equalTo(getIntent().getS
tringExtra("ID"));
applesQuery.addListenerForSingleValueEvent(new
 ValueEventListener() {
    @Override
    public void onDataChange(DataSnapshot dataSnapshot) {
        for (DataSnapshot appleSnapshot:
dataSnapshot.getChildren()) {
            Komplain komplain =
appleSnapshot.getValue(Komplain.class);
            titletv.setText(komplain.getTitle());
            nametv.setText(komplain.getName());
            deskripsitv.setText(komplain.getDeskripsi());
            Picasso.get()
                .load(komplain.getUrl())
                .placeholder(R.color.black)
                .into(btnImages);

            a = appleSnapshot.getKey().toString();
        }
    }

    @Override
    public void onCancelled(DatabaseError databaseError) {
    }
});
update();
}
public String getImageExt (Uri uri){
    ContentResolver contentResolver = getContentResolver();
    MimeTypeMap mimeTypeMap = MimeTypeMap.getSingleton();
    return
mimeTypeMap.getExtensionFromMimeType (contentResolver.getType (uri));
}
protected void onActivityResult(int requestCode, int resultCode,
Intent data) {
    super.onActivityResult(requestCode, resultCode, data);
    if (requestCode == GALLERY_REQUEST_CODE && resultCode ==
RESULT_OK && data != null && data.getData() != null) {
        imgUri = data.getData();
        System.out.println("gambar "+imgUri);
        try {
            Bitmap bm =
MediaStore.Images.Media.getBitmap(getContentResolver(), imgUri);
            btnImages.setImageBitmap(bm);

```

4. Daftar Komplain

```
<?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:fitsSystemWindows="true"
    tools:context="com.bujang_ganong.aku_bilung.emkha.MainActivity">

    <RelativeLayout
        android:id="@+id/relLayout1"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_marginTop="0dp"
        android:layout_marginLeft="10dp"
        android:layout_marginRight="10dp"
        android:layout_marginBottom="10dp"
        android:background="@color/white"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <EditText
            android:id="@+id/search_field"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginRight="5dp"
            android:layout_marginTop="20dp"
            android:layout_marginLeft="20dp"
            android:layout_toStartOf="@+id/search_btn"
            android:background="@drawable/search_layout"
            android:ems="20"
            android:hint="Nomor Rumah"
            android:inputType="textPersonName"
            android:paddingBottom="10dp"
            android:paddingLeft="20dp"
            android:paddingRight="20dp"
            android:paddingTop="10dp"
            android:textColor="#000"
            android:textSize="16sp" />

        <ImageButton
            android:id="@+id/search_btn"
            android:layout_width="50dp"
            android:layout_height="wrap_content"
            android:layout_alignBottom="@+id/search_field"
            android:layout_alignParentEnd="true"
            android:layout_alignTop="@+id/search_field"
            android:layout_marginRight="30dp"
            android:background="#00ffffff"
```

```

        app:srcCompat="@mipmap/ic_launcher_pencarian_foreground"
    />

    <androidx.recyclerview.widget.RecyclerView
        android:layout_marginTop="20dp"
        android:layout_marginBottom="20dp"
        android:id="@+id/recyclerV"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_below="@+id/search_field"
        android:scrollbars="vertical" />

</RelativeLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

package com.bujang_ganong.aku_bilung.emkha;

import android.content.Context;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
import android.util.Log;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.EditText;
import android.widget.ImageButton;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import java.util.ArrayList;
import java.util.List;

public class MainActivity extends AppCompatActivity {

    private static final String TAG = "MainActivity";
    private static final int ACTIVITY_NUM = 0;

    private Context mContext = MainActivity.this;
    DatabaseReference databaseReference, databaseReference2;
    RecyclerView recyclerview;
    private FirebaseRecyclerAdapter<Komplain,
MainActivity.MyViewHolder> adapter;
    List<Komplain> komplains;
    String posisi;
    private ImageButton mSearchBtn;
    private EditText mSearchField;

```

```

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

    Log.d(TAG, "onCreate: started.");
    complains = new ArrayList<>();

    //SETUP RECYCLER
    recyclerview = (RecyclerView) findViewById(R.id.recyclerV);
    recyclerview.setLayoutManager(new
LinearLayoutManager(this));
    mSearchField = (EditText) findViewById(R.id.search_field);
    mSearchBtn = (ImageButton) findViewById(R.id.search_btn);

    starter();
    mSearchBtn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {

            String searchText =
mSearchField.getText().toString();

            firebaseUserSearch(searchText);
            adapter.startListening();

        }
    });
}

```

2. Plagiarism



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BAB 1 PENDAHULUAN Latar Belakang Masalah Seiring dengan jumlah penduduk yang semakin pesat, tuntutan akan tersedianya berbagai fasilitas yang mendukung kehidupan

masyarakat juga mengalami peningkatan. Hal tersebut mendorong pihak pemerintah maupun swasta untuk melaksanakan pembangunan, terutama dibidang perumahan.