APLIKASI PRESENSI PERKULIAHAN BERBASIS ANDROID

1. Kode Program
   a. MainActivity

```java
package com.proyek.presensiperkuliahan;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ProgressBar;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.Toolbar;

import
com.google.android.material.floatingactionbutton.FloatingActionButto
n;
import com.google.android.material.snackbar.Snackbar;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;

public class MainActivity extends AppCompatActivity {
    private Button signOut;

    private ProgressBar progressBar;
    private FirebaseAuth.AuthStateListener authListener;
    private FirebaseAuth auth;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toolbar toolbar = findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);

        //get firebase auth instance
        auth = FirebaseAuth.getInstance();

        //get current user
        final FirebaseUser user =
FirebaseAuth.getInstance().getCurrentUser();

        authListener = new FirebaseAuth.AuthStateListener() {
            @Override
            public void onAuthStateChanged(@NonNull FirebaseAuth
firebaseAuth) {
                FirebaseUser user = firebaseAuth.getCurrentUser();
                if (user == null) {
                    // user auth state is changed - user is null
                    // launch login activity
                    startActivity(new Intent(MainActivity.this,
login.class));
                    finish();
```

```java
                    }
                }
            };
//

        signOut = (Button) findViewById(R.id.btnSignOut);
        signOut.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity.this, "Berhasil Sign
Out", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity.this,
login.class));
                signOut();
            }
        });

//
        FloatingActionButton fab = (FloatingActionButton)
findViewById(R.id.fab);
        fab.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Snackbar.make(view, "Baru Test Login",
Snackbar.LENGTH_LONG)
                        .setAction("Action", null).show();
            }
        });
    }

    public void TambahPertemuan (View view) {
        Intent intent = new Intent(MainActivity.this,
FormPertemuan.class);
        startActivity(intent);
    }

    //sign out method
    public void signOut() {
        auth.signOut();
        finish();
    }
    //end
}
```

b. Form Pertemuan

```java
package com.proyek.presensiperkuliahan;

import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.ViewGroup;

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
```

```java
import com.firebase.ui.database.FirebaseRecyclerAdapter;
import com.firebase.ui.database.FirebaseRecyclerOptions;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.database.Query;

public class FormPertemuan extends AppCompatActivity {
    private DatabaseReference mDatabase;

    private FirebaseRecyclerAdapter<mahasiswa, MahasiswaViewHolder>
mAdapter;
    private RecyclerView mRecycler;
    private LinearLayoutManager mManager;

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

        mDatabase = FirebaseDatabase.getInstance().getReference();

        mRecycler = findViewById(R.id.list_mahasiswa);
        mRecycler.setHasFixedSize(true);

        mManager = new LinearLayoutManager(this);
        mManager.setReverseLayout(true);
        mManager.setStackFromEnd(true);
        mRecycler.setLayoutManager(mManager);

        Query query = getQuery(mDatabase);

        FirebaseRecyclerOptions options = new
FirebaseRecyclerOptions.Builder<mahasiswa>()
                .setQuery(query, mahasiswa.class)
                .build();

        mAdapter = new FirebaseRecyclerAdapter<mahasiswa,
MahasiswaViewHolder>(options){
            @Override
            public MahasiswaViewHolder onCreateViewHolder(ViewGroup
parent, int viewType) {
                LayoutInflater inflater =
LayoutInflater.from(parent.getContext());
                return new
MahasiswaViewHolder(inflater.inflate(R.layout.data_mahasiswa,
parent, false));
            }
            @Override
            protected void onBindViewHolder(MahasiswaViewHolder
holder, int position, final mahasiswa model) {
                holder.bindToMahasiswa(model);
            }
        };
        mAdapter.notifyDataSetChanged();
        mRecycler.setAdapter(mAdapter);
    }
```

```java
    @Override
    public void onStart() {
        super.onStart();
        if (mAdapter != null) {
            mAdapter.startListening();
        }
    }

    @Override
    public void onStop() {
        super.onStop();
        if (mAdapter != null) {
            mAdapter.stopListening();
        }
    }

    private Query getQuery(DatabaseReference mDatabase){
        Query query = mDatabase.child("PresensiMhs");
        return query;
    }

}
```

c. Login

```java
package com.proyek.presensiperkuliahan;

import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ProgressBar;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.Toolbar;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import
com.google.android.material.floatingactionbutton.FloatingActionButto
n;
import com.google.android.material.snackbar.Snackbar;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;

public class login extends AppCompatActivity {
    private EditText inputEmail, inputPassword;
    private FirebaseAuth auth;
    private ProgressBar progressBar;
    private Button btnLogin ;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

```java
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);
        Toolbar toolbar = findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);

        //Get Firebase auth instance
        auth = FirebaseAuth.getInstance();

        if (auth.getCurrentUser() != null) {
            startActivity(new Intent(login.this,
MainActivity.class));
            finish();
        }


        inputEmail = (EditText) findViewById(R.id.email);
        inputPassword = (EditText) findViewById(R.id.password);
        progressBar = (ProgressBar) findViewById(R.id.progressBar);
        btnLogin = (Button) findViewById(R.id.btn_login);


        //Get Firebase auth instance
        auth = FirebaseAuth.getInstance();


        btnLogin.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String email = inputEmail.getText().toString();
                final String password =
inputPassword.getText().toString();

                if (TextUtils.isEmpty(email)) {
                    Toast.makeText(getApplicationContext(),
"Masukkan Email", Toast.LENGTH_SHORT).show();
                    return;
                }

                if (TextUtils.isEmpty(password)) {
                    Toast.makeText(getApplicationContext(),
"Masukkan password!", Toast.LENGTH_SHORT).show();
                    return;
                }

                progressBar.setVisibility(View.VISIBLE);

                //authenticate user
                auth.signInWithEmailAndPassword(email, password)
                        .addOnCompleteListener(login.this, new
OnCompleteListener<AuthResult>() {
                            @Override
                            public void onComplete(@NonNull
Task<AuthResult> task) {
                                // If sign in fails, display a
message to the user. If sign in succeeds
                                // the auth state listener will be
notified and logic to handle the
```

```
                                        // signed in user can be handled in
the listener.

progressBar.setVisibility(View.GONE);
                                if (!task.isSuccessful()) {
                                    // there was an error
                                    if (password.length() < 6) {

inputPassword.setError(getString(R.string.minimum_password));
                                    } else {
                                        Toast.makeText(login.this,
getString(R.string.auth_failed), Toast.LENGTH_LONG).show();
                                    }
                                } else {
                                    Intent intent = new
Intent(login.this, MainActivity.class);
                                    startActivity(intent);
                                    finish();
                                }
                            }
                        });
                }
            });

            FloatingActionButton fab = findViewById(R.id.fab);
            fab.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View view) {
                    Snackbar.make(view, "INFO LOGIN SILAHKAN HUBUNGI
ADMIN", Snackbar.LENGTH_LONG)
                            .setAction("Action", null).show();
                }
            });
    }

}
```

d. Mahasiswa

```
package com.proyek.presensiperkuliahan;

import com.google.firebase.database.Exclude;

import java.util.HashMap;
import java.util.Map;

public class mahasiswa {
    public String Nama;
    public String MhswID;

    public mahasiswa() {
    }

    public mahasiswa(String Nama, String MhswID) {
        this.Nama = Nama;
        this.MhswID = MhswID;
    }
```

```
    @Exclude
    public Map<String, Object> toMap() {
        HashMap<String, Object> result = new HashMap<>();
        result.put("Nama", Nama);
        result.put("MhswID", MhswID);
        return result;
    }
}
```

e. MahasiswaViewHolder

```
package com.proyek.presensiperkuliahan;

import android.view.View;
import android.widget.TextView;

import androidx.recyclerview.widget.RecyclerView;

public class MahasiswaViewHolder extends RecyclerView.ViewHolder {
    public TextView Nama;
    public TextView NPM;

    public MahasiswaViewHolder(View itemView) {
        super(itemView);
        Nama = itemView.findViewById(R.id.tvNama);
        NPM = itemView.findViewById(R.id.tvNPM);
    }

    public void bindToMahasiswa(mahasiswa mhsw){
        Nama.setText(mhsw.Nama);
        NPM.setText(mhsw.MhswID);
    }
}
```

f. splashScreen

```
package com.proyek.presensiperkuliahan;

import android.content.Intent;
import android.os.Bundle;

import androidx.appcompat.app.AppCompatActivity;

public class splashScreen extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_splash_screen);
        // langsung pindah ke MainActivity atau activity lain
        // begitu memasuki splash screen ini
        Intent intent = new Intent(this, login.class);
        startActivity(intent);
        finish();
    }
}
```

g. activity_form_pertemuan.xml

```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=".FormPertemuan">

    <TextView
        android:id="@+id/tampilan3"
        android:layout_width="230dp"
        android:layout_height="27dp"
        android:text="Penambahan Pertemuan"
        android:textSize="20sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.036" />

    <TextView
        android:id="@+id/pertemuanTeks"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Pertemuan Ke-"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.05"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.13" />

    <TextView
        android:id="@+id/materiTeks"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"
        android:layout_marginLeft="16dp"
        android:layout_marginTop="20dp"
        android:text="Materi"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/pertemuanTeks" />

    <TextView
        android:id="@+id/listMhs"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="492dp"
        android:text="Mahasiswa"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
```

```
            app:layout_constraintHorizontal_bias="0.498"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/etMateri"
            app:layout_constraintVertical_bias="1.0" />

    <EditText
        android:id="@+id/etPertemuan"
        android:layout_width="260dp"
        android:layout_height="42dp"
        android:layout_marginTop="80dp"
        android:ems="10"
        android:hint="Isi dengan ANGKA"
        android:inputType="textPersonName"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toEndOf="@+id/pertemuanTeks"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/etMateri"
        android:layout_width="260dp"
        android:layout_height="42dp"
        android:ems="10"
        android:hint="Tema Materi"
        android:inputType="textLongMessage"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.776"
        app:layout_constraintStart_toEndOf="@+id/materiTeks"
        app:layout_constraintTop_toBottomOf="@+id/etPertemuan" />

    <LinearLayout
        android:layout_width="410dp"
        android:layout_height="494dp"
        android:layout_margin="16dp"
        android:orientation="vertical"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/listMhs">

        <androidx.recyclerview.widget.RecyclerView
            android:id="@+id/list_mahasiswa"
            android:layout_width="429dp"
            android:layout_height="match_parent"
            tools:layout_editor_absoluteX="-22dp"
            tools:layout_editor_absoluteY="267dp" />
    </LinearLayout>

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

h. activity_login.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"
            tools:context=".login">

            <com.google.android.material.appbar.AppBarLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:theme="@style/AppTheme.AppBarOverlay">

                <androidx.appcompat.widget.Toolbar
                    android:id="@+id/toolbar"
                    android:layout_width="match_parent"
                    android:layout_height="?attr/actionBarSize"
                    android:background="?attr/colorPrimary"
                    app:popupTheme="@style/AppTheme.PopupOverlay" />

            </com.google.android.material.appbar.AppBarLayout>

            <include layout="@layout/content_login" />


<com.google.android.material.floatingactionbutton.FloatingActionButt
on
            android:id="@+id/fab"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="bottom|end"
            android:layout_margin="@dimen/fab_margin"
            app:srcCompat="@android:drawable/ic_dialog_email" />

</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

i.  activity_main.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"
    tools:context=".MainActivity">

    <com.google.android.material.appbar.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay">

    </com.google.android.material.appbar.AppBarLayout>

    <include layout="@layout/content_main" />


<com.google.android.material.floatingactionbutton.FloatingActionButt
on
        android:id="@+id/fab"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
            android:layout_gravity="bottom|end"
            android:layout_margin="@dimen/fab_margin"
            app:srcCompat="@android:drawable/ic_dialog_email" />

    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"
        android:background="?attr/colorPrimary"
        app:popupTheme="@style/AppTheme.PopupOverlay" />

</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

j.  activity_splash_screen.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=".splashScreen">

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

k.  content_login.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"
    app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:context=".login"
    tools:showIn="@layout/activity_login">

    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="219dp"
        android:layout_height="129dp"
        android:layout_marginStart="8dp"
        android:layout_marginTop="72dp"
        android:layout_marginEnd="8dp"
        android:contentDescription="@string/logo"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@mipmap/logo2" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="272dp"
        android:layout_height="47dp"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
```

```xml
            android:layout_marginEnd="8dp"
            android:layout_marginBottom="8dp"
            android:text="@string/pls"
            android:textAlignment="center"
            android:textColor="@color/colorPrimaryDark"
            android:textSize="24sp"
            android:textStyle="bold"
            app:layout_constraintBottom_toTopOf="@+id/email"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="0.495"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/imageView2"
            app:layout_constraintVertical_bias="0.0"
            app:layout_constraintVertical_chainStyle="packed" />

    <EditText
            android:id="@+id/email"
            android:layout_width="330dp"
            android:layout_height="47dp"
            android:layout_marginStart="8dp"
            android:layout_marginEnd="8dp"
            android:layout_marginBottom="8dp"
            android:ems="10"
            android:hint="@string/hint_mail"
            android:inputType="textEmailAddress"
            android:importantForAutofill="no"
            app:layout_constraintBottom_toTopOf="@+id/password"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/textView" />

    <EditText
            android:id="@+id/password"
            android:layout_width="330dp"
            android:layout_height="47dp"
            android:layout_marginStart="8dp"
            android:layout_marginTop="8dp"
            android:layout_marginEnd="8dp"
            android:layout_marginBottom="8dp"
            android:ems="10"
            android:hint="@string/hint_pass"
            android:inputType="textPassword"
            android:importantForAutofill="no"
            app:layout_constraintBottom_toTopOf="@id/btn_login"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="0.492"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/email"
            app:layout_constraintVertical_bias="0.0" />


    <ProgressBar
            android:id="@+id/progressBar"
            android:layout_width="49dp"
            android:layout_height="wrap_content"
            android:layout_gravity="center|bottom"
            android:layout_marginBottom="140dp"
```

```
        android:layout_marginEnd="8dp"
        android:layout_marginStart="8dp"
        android:visibility="gone"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent" />

    <Button
        android:id="@+id/btn_login"
        android:layout_width="330dp"
        android:layout_height="60dp"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="8dp"
        android:layout_marginBottom="8dp"
        android:text="@string/login"
        app:layout_constraintBottom_toTopOf="@+id/progressBar"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.484"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/password" />

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

l.   content_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"
    app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:context=".MainActivity"
    tools:showIn="@layout/activity_main">


    <ImageView
        android:id="@+id/imageView"
        android:layout_width="263dp"
        android:layout_height="163dp"
        android:contentDescription="@string/logo"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.166"
        app:srcCompat="@mipmap/logo" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/welcome"
        android:textColor="#1F4CB8"
        android:textSize="24sp"
```

```xml
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/imageView"
            app:layout_constraintVertical_bias="0.223" />

        <Button
            android:id="@+id/btnSignOut"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="@string/sign_out"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/textView2" />

        <Button
            android:id="@+id/btnTambahPertemuan"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:onClick="TambahPertemuan"
            android:text="@string/tambah_pertemuan"
            app:layout_constraintBottom_toTopOf="@+id/btnSignOut"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/textView2" />

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

m. data_mahasiswa.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.cardview.widget.CardView
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="5dp"
    android:elevation="0dp"
    app:cardCornerRadius="0dp">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="6dp"
        android:gravity="center_vertical"
        android:orientation="horizontal">

        <LinearLayout
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="0.8"
            android:orientation="vertical">

            <TextView
                android:id="@+id/tvNama"
                android:layout_width="wrap_content"
```

```
                android:layout_height="wrap_content"
                android:text="@string/nama" />

            <TextView
                android:id="@+id/tvNPM"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="@string/NPM" />

        </LinearLayout>

        <Switch
            android:id="@+id/swtPresensi"
            android:layout_width="124dp"
            android:layout_height="wrap_content"
            android:text="Kehadiran" />

    </LinearLayout>

</androidx.cardview.widget.CardView>
```

n. values/strings.xml

```
<resources>
    <string name="app_name">Presensi Perkuliahan</string>
    <string name="hint_mail">E-mail</string>
    <string name="hint_pass">Password</string>
    <string name="login">Login</string>
    <string
name="title_activity_content__login">Content_Login</string>
    <string name="pls">Aplikasi Presensi</string>
    <string name="logo">LOGO</string>
    <string name="title_activity_login">login</string>
    <string name="title_activity_main">MainActivity</string>
    <string name="minimum_password">Password Kurang</string>
    <string name="auth_failed">Login Gagal</string>
    <string name="welcome">Selamat Datang di Aplikasi
PRESMA</string>
    <string name="sign_out">Sign Out</string>
    <string name="tambah_pertemuan">Tambah Pertemuan</string>
    <string name="nama">Nama</string>
    <string name="NPM">NPM</string>
</resources>
```

o. values/styles.xml

```
p. <resources>

    <!-- Base application theme. -->
    <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>
    </style>

    <style name="AppTheme.NoActionBar">
```

```xml
        <item name="windowActionBar">false</item>
        <item name="windowNoTitle">true</item>
    </style>

    <style name="AppTheme.AppBarOverlay"
parent="ThemeOverlay.AppCompat.Dark.ActionBar" />

    <style name="AppTheme.PopupOverlay"
parent="ThemeOverlay.AppCompat.Light" />
    <style name="SplashTheme"
parent="Theme.AppCompat.Light.NoActionBar">
        <item
name="android:windowBackground">@drawable/splashscreen</item>
    </style>

</resources>
```