

PAPER NAME

**Laporan Usulan Hak Kekayaan Intelektua
I Implementasi Sistem Pengambilan Kep
utusan Untuk Membantu Det**

AUTHOR

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WORD COUNT

286 Words

CHARACTER COUNT

1730 Characters

PAGE COUNT

58 Pages

FILE SIZE

3.1MB

SUBMISSION DATE

Dec 5, 2022 10:21 AM GMT+7

REPORT DATE

Dec 5, 2022 10:22 AM GMT+7

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LAPORAN
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1
IMPLEMENTASI SISTEM PENGAMBILAN KEPUTUSAN UNTUK
MEMBANTU DETEKSI DINI STUNTING ANAK BERBASIS ANDROID

PENGUSUL

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FAKULTAS INFORMATIKA
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2022

Implementasi Software Stunting M-SDIDTK

Software aplikasi stunting berfungsi sebagai formulir skrining SDIDTK yang *paperless* dan mempunyai fitur petunjuk skrining untuk para kader Posyandu. Fitur yang diterapkan pada aplikasi adalah analisis panjang, berat dan indeks massa tubuh balita, analisis kondisi balita dan saran jenis makanan, pencatatan data balita, jadwal imunisasi, dan perkembangan balita. Demikian Printscreen tampilan awal Aplikasi Stunting.

1. Halaman Sampul Splashscreen Aplikasi M-SDIDTK



Code Program Halaman Sampul Splashscreen Aplikasi M-SDIDTK :

```
1. SPLASHSCREEN  
  
2. package com.daaycomtech.msdidtk;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
  
public class Splashscreen extends AppCompatActivity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
    }  
}
```

```

        Thread timerThread = new Thread() {
            public void run() {
                try {
                    sleep(3000);
                } catch (InterruptedException e) {
                    e.printStackTrace();
                } finally {
                    Intent intent = new Intent(Splashscreen.this,
LoginActivity.class);
                    startActivity(intent);
                }
            }
        };
        timerThread.start();
    }

    @Override
    protected void onPause() {
        super.onPause();
        finish();
    }
}

```

3. SPLASHSCREEN.XML

4.

```

5. <?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="@color/primary1"
tools:context=".Splashscreen">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="234dp"
        android:layout_height="207dp"
        android:layout_marginTop="128dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/img_sdidthk_logo" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:fontFamily="sans-serif-black"
        android:text="M-SDIDTHK"
        android:textColor="@color/black"

```

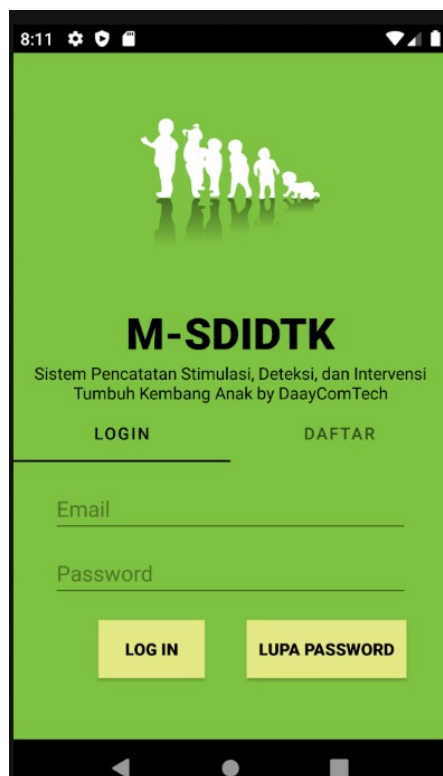
```

app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/imageView" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/app_desc"
    android:textAlignment="center"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

2. Halaman Utama Aplikasi M-SDIDTK



Code Program Halaman Utama Aplikasi M-SDIDTK :

```

1. LOGIN ACTIVITY

2. package com.daaycomtech.msdidtk;

import androidx.appcompat.app.AppCompatActivity;
import androidx.viewpager.widget.ViewPager;

import android.os.Bundle;

```

```

import com.daaycomtech.msdidtk.adapter.LoginViewPagerAdapter;
import com.google.android.material.tabs.TabLayout;

public class LoginActivity extends AppCompatActivity {

    TabLayout tabLayout;
    ViewPager viewPager;
    LoginViewPagerAdapter loginViewPagerAdapter;

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

        viewPager = findViewById(R.id.viewPager);
        tabLayout = findViewById(R.id.tabLayout);
        loginViewPagerAdapter = new
LoginViewPagerAdapter(getSupportFragmentManager());

        viewPager.setAdapter(loginViewPagerAdapter);
        tabLayout.setupWithViewPager(viewPager);
    }
}

```

3.

4. ACTIVITY LOGIN.XML

5.

```

6. <?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="@color/primary1"
tools:context=".LoginActivity">

<ImageView
    android:id="@+id/imageView2"
    android:layout_width="234dp"
    android:layout_height="207dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:srcCompat="@drawable/img_sdidtk_logo" />

<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="sans-serif-black"
    android:text="M-SDIDTK"
    android:textColor="@color/black"
    android:textSize="36sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"

```

```

<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/app_desc"
    android:textAlignment="center"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />

<com.google.android.material.tabs.TabLayout
    android:id="@+id/tabLayout"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="#00FFFFFF"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView4"
    app:tabIndicatorColor="#000000"
    app:tabSelectedTextColor="#000000">

    <com.google.android.material.tabs.TabItem
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:backgroundTint="#00FFFFFF"
        android:text="Login" />

    <com.google.android.material.tabs.TabItem
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Daftar" />

</com.google.android.material.tabs.TabLayout>

<androidx.viewpager.widget.ViewPager
    android:id="@+id/viewPager"
    android:layout_width="match_parent"
    android:layout_height="0dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tabLayout">

</androidx.viewpager.widget.ViewPager>

</androidx.constraintlayout.widget.ConstraintLayout>

```

7. LOGIN FRAGMENT

```

8.
9. package com.daaycomtech.msdidtk;

import android.app.AlertDialog;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;

```

```

import androidx.annotation.Nullable;
import androidx.fragment.app.Fragment;

import android.text.TextUtils;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

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.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;

/**
 * A simple {@link Fragment} subclass.
 * Use the {@link LoginFragment#newInstance} factory method to
 * create an instance of this fragment.
 */
public class LoginFragment extends Fragment {

    // TODO: Rename parameter arguments, choose names that match
    // the fragment initialization parameters, e.g.
    ARG_ITEM_NUMBER
    private static final String ARG_PARAM1 = "param1";
    private static final String ARG_PARAM2 = "param2";

    // TODO: Rename and change types of parameters
    private String mParam1;
    private String mParam2;

    public LoginFragment() {
        // Required empty public constructor
    }

    /**
     * Use this factory method to create a new instance of
     * this fragment using the provided parameters.
     *
     * @param param1 Parameter 1.
     * @param param2 Parameter 2.
     * @return A new instance of fragment LoginFragment.
     */
    // TODO: Rename and change types and number of parameters
    public static LoginFragment newInstance(String param1, String
param2) {
        LoginFragment fragment = new LoginFragment();
        Bundle args = new Bundle();
        args.putString(ARG_PARAM1, param1);
        args.putString(ARG_PARAM2, param2);
        fragment.setArguments(args);

```



```

@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    if (getArguments() != null) {
        mParam1 = getArguments().getString(ARG_PARAM1);
        mParam2 = getArguments().getString(ARG_PARAM2);
    }
}

@Override
public View onCreateView(LayoutInflater inflater, ViewGroup
container,
                        Bundle savedInstanceState) {
    // Inflate the layout for this fragment
    return inflater.inflate(R.layout.fragment_login,
container, false);
}

@Override
public void onViewCreated(@NonNull View view, @Nullable
Bundle savedInstanceState) {
    super.onViewCreated(view, savedInstanceState);

    Button loginBtn = view.findViewById(R.id.btn_login);
    Button lupaBtn = view.findViewById(R.id.btn_lupa);
    EditText etEmail = view.findViewById(R.id.etEmail);
    EditText etPassword = view.findViewById(R.id.etPassword);

    FirebaseAuth fAuth = FirebaseAuth.getInstance();

    loginBtn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            String email =
etEmail.getText().toString().trim();
            String password =
etPassword.getText().toString().trim();

            if (TextUtils.isEmpty(email)) {
                etEmail.setError("Email Harus Di Isi.");
                return;
            }

            if (TextUtils.isEmpty(password)) {
                etPassword.setError("Password Harus Di
isi.");
                return;
            }

            if (password.length() < 6) {
                etPassword.setError("Password harus lebih
dari 6 karakter");
                return;
            }
        }
    });
}

```

```

        fAuth.signInWithEmailAndPassword(email,
password).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
    @Override
    public void onComplete(@NonNull
Task<AuthResult> task) {
        if (task.isSuccessful()) {
            Toast.makeText(getActivity(), "Logged
in Successfully", Toast.LENGTH_SHORT).show();
            Intent i = new Intent(getActivity(),
MainActivity.class);
            getActivity().startActivity(i);
        } else {
            Toast.makeText(getActivity(), "Error
! " + task.getException().getMessage(),
Toast.LENGTH_SHORT).show();
        }
    }
});

lupaBtn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        final EditText resetMail = new
EditText(v.getContext());
        final AlertDialog.Builder passwordResetDialog =
new AlertDialog.Builder(v.getContext());
        passwordResetDialog.setTitle("Reset Password ?");
        passwordResetDialog.setMessage("Masukan Email
Anda Untuk Mendapatkan Reset Link");
        passwordResetDialog.setView(resetMail);

        passwordResetDialog.setPositiveButton("YES", new
DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog,
int which) {

                String mail =
resetMail.getText().toString();

                fAuth.sendPasswordResetEmail(mail).addOnSuccessListener(new
OnSuccessListener<Void>() {
                    @Override
                    public void onSuccess(Void aVoid) {
                        Toast.makeText(getActivity(),
"Link Reset Password Sudah Dikirim Ke Email Anda",
Toast.LENGTH_SHORT).show();
                    }
                }).addOnFailureListener(new

```



```

package com.daaycomtech.msdidtk;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.text.TextUtils;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.firestore.DocumentReference;
import com.google.firebase.firestore.FirebaseFirestore;
import java.util.HashMap;
import java.util.Map;

public class DaftarDetailActivity extends AppCompatActivity {

    String userID;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);
        setContentView(R.layout.activity_daftar_detail);

        FirebaseAuth fAuth = FirebaseAuth.getInstance();
        FirebaseFirestore fStore = FirebaseFirestore.getInstance();

        //      if(fAuth.getCurrentUser() != null){
        //          Intent i = new Intent(DaftarDetailActivity.this,
        MainActivity.class);
        //          startActivity(i);
        //          finish();
        //      }

        EditText mName          = findViewById(R.id.etNamaLengkap);
        EditText mAsalPuskesmas = findViewById(R.id.etAsalPuskesmas);
        EditText mNomorInduk    = findViewById(R.id.etNomerIdentitas);
        EditText mnomorTlp      = findViewById(R.id.etNomerTelepon);

        String mEmail = getIntent().getStringExtra("EXTRA_USER");
        String mPassword = getIntent().getStringExtra("EXTRA_PASS");
    }
}

```

```

daftarButton.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        final String Nama           =
mNama.getText().toString();
        final String NomorInduk     =
mNomorInduk.getText().toString();
        final String AsalPuskesmas =
mAsalPuskesmas.getText().toString();
        final String nomorTlp       =
mnomorTlp.getText().toString();

        //register the user in firebase

fAuth.createUserWithEmailAndPassword(mEmail,mPassword).addOnCompleteListener
ener(new OnCompleteListener<AuthResult>() {
    @Override
    public void onComplete(@NonNull Task<AuthResult>
task) {

        if (task.isSuccessful()){
            Toast.makeText(DaftarDetailActivity.this,
"Terimakasih Sudah Mendaftar", Toast.LENGTH_SHORT).show();
            userID = fAuth.getCurrentUser().getUid();
            DocumentReference documentReference =
fStore.collection("users").document(userID);
            Map<String, Object> user = new HashMap<>();
            user.put("NamaLengkap", Nama);
            user.put("email", mEmail);
            user.put ("NomorInduk", NomorInduk);
            user.put("AsalPuskesmas", AsalPuskesmas);
            user.put("NomorTlp", nomorTlp);

            documentReference.set(user).addOnSuccessListener(new
OnSuccessListener<Void>() {
                @Override
                public void onSuccess(Void aVoid) {
                    Log.d("TAG", "onFailure: Email not
sent " + userID);

                }
            });
            Intent i = new
Intent(DaftarDetailActivity.this, MainActivity.class);
            i.putExtra("EXTRA_NAMA", Nama);
            i.putExtra("EXTRA_ASAL", AsalPuskesmas);
            startActivity(i);
            finish();
        }else {

```



```
android:layout_height="wrap_content"
android:layout_marginStart="32dp"
android:layout_marginTop="8dp"
android:layout_marginEnd="32dp"
android:ems="10"
android:hint="Nomor Identitas"
android:inputType="number"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/etNamaLengkap" />
```

<EditText

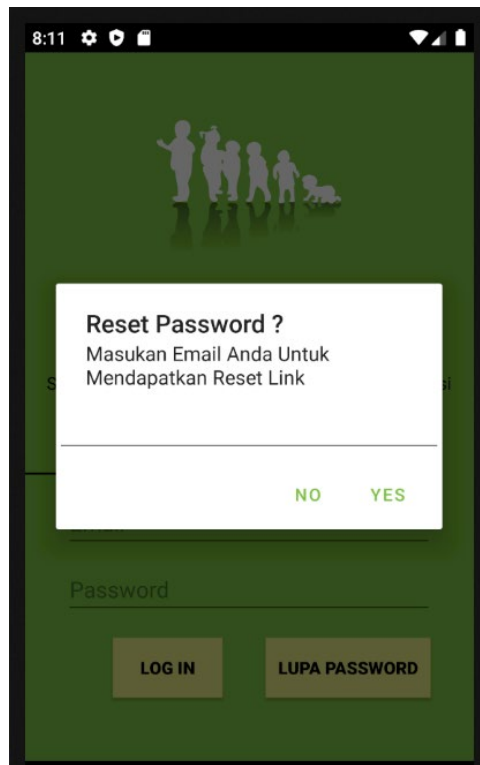
```
android:id="@+id/etAsalPuskesmas"
android:layout_width="0dp"
android:layout_height="wrap_content"
android:layout_marginStart="32dp"
android:layout_marginTop="8dp"
android:layout_marginEnd="32dp"
android:ems="10"
android:hint="Asal Puskesmas"
android:inputType="textPersonName"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/etNomerIdentitas" />
```

<EditText

```
android:id="@+id/etNomerTelepon"
android:layout_width="0dp"
android:layout_height="wrap_content"
android:layout_marginStart="32dp"
android:layout_marginTop="8dp"
android:layout_marginEnd="32dp"
android:ems="10"
android:hint="Nomer Telepon"
android:inputType="phone"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/etAsalPuskesmas" />
```

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

4. Halaman Reset Pasword



Code Program Halaman Reset Pasword :

```
                                DAFTAR FRAGMENT

package com.daaycomtech.msdidtk;

import android.content.Intent;
import android.os.Bundle;
import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.fragment.app.Fragment;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.EditText;

/**
 * A simple {@link Fragment} subclass.
 * Use the {@link DaftarFragment#newInstance} factory method to
 * create an instance of this fragment.
 */
public class DaftarFragment extends Fragment {

    // TODO: Rename parameter arguments, choose names that match
```



```

// the fragment initialization parameters, e.g. ARG ITEM NUMBER
private static final String ARG_PARAM1 = "param1";
private static final String ARG_PARAM2 = "param2";

// TODO: Rename and change types of parameters
private String mParam1;
private String mParam2;

public DaftarFragment() {
    // Required empty public constructor
}

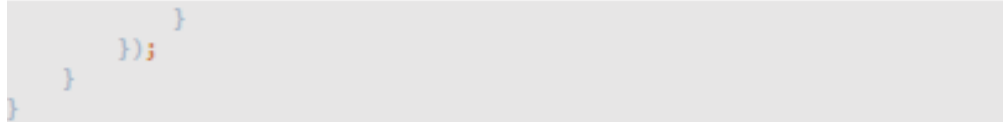
public static DaftarFragment newInstance(String param1, String
param2) {
    DaftarFragment fragment = new DaftarFragment();
    Bundle args = new Bundle();
    args.putString(ARG_PARAM1, param1);
    args.putString(ARG_PARAM2, param2);
    fragment.setArguments(args);
    return fragment;
}
@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    if (getArguments() != null) {
        mParam1 = getArguments().getString(ARG_PARAM1);
        mParam2 = getArguments().getString(ARG_PARAM2);
    }
}
@Override
public View onCreateView(LayoutInflater inflater, ViewGroup
container,
                        Bundle savedInstanceState) {
    // Inflate the layout for this fragment
    return inflater.inflate(R.layout.fragment_daftar, container,
false);
}

@Override
public void onViewCreated(@NonNull View view, @Nullable Bundle
savedInstanceState) {
    super.onViewCreated(view, savedInstanceState);

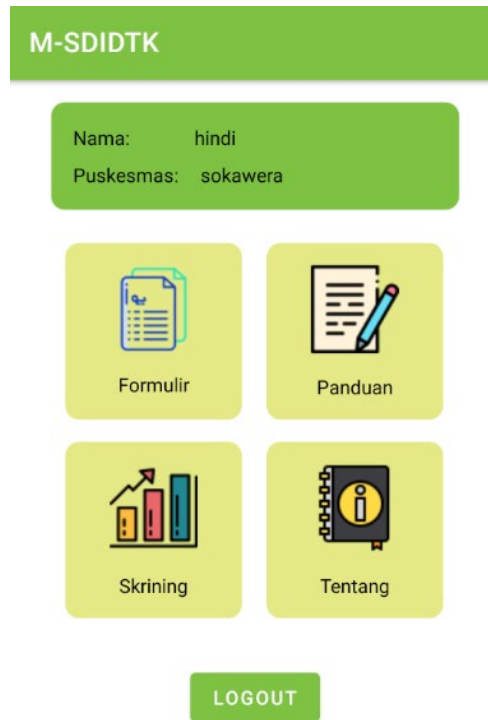
    Button daftarBtn = view.findViewById(R.id.btn_daftar);
    EditText etEmail = view.findViewById(R.id.etEmail);
    EditText etPassword = view.findViewById(R.id.etPassword);

    daftarBtn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent i = new Intent(getActivity(),
DaftarDetailActivity.class);
            i.putExtra("EXTRA_USER",
etEmail.getText().toString().trim());
            i.putExtra("EXTRA_PASS",
etPassword.getText().toString().trim());
            getActivity().startActivity(i);
        }
    });
}

```



5. Halaman Menu M-SDIDTK



Code Program Halaman Menu M-SDIDTK :

```
2. MAIN ACTIVITY
3.
4. package com.daaycomtech.msdidtk;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.constraintlayout.widget.ConstraintLayout;

import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.firestore.DocumentReference;
import com.google.firebase.firestore.DocumentSnapshot;
import com.google.firebase.firestore.FirebaseFirestore;

public class MainActivity extends AppCompatActivity {
```

```

        ConstraintLayout formButton, panduanButton,
        skriningButton, tentangButton;
        Button logoutbtn;

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

            TextView tv_user = findViewById(R.id.tv_user);
            TextView tv_asal = findViewById(R.id.tv_asal);
            logoutbtn = findViewById(R.id.LogoutBtn);

            FirebaseAuth fAuth = FirebaseAuth.getInstance();
            String userID = fAuth.getUid();
            FirebaseFirestore fStore =
            FirebaseFirestore.getInstance();
            DocumentReference docRef =
            fStore.collection("users").document(userID);
            docRef.get().addOnCompleteListener(new
            OnCompleteListener<DocumentSnapshot>() {
                @Override
                public void onComplete(@NonNull
                Task<DocumentSnapshot> task) {
                    if (task.isSuccessful()) {
                        DocumentSnapshot document =
                        task.getResult();
                        if (document.exists()) {
                            Log.d("MainActivity",
                            "DocumentSnapshot data: " + document.getData());
                            tv_user.setText(document.getString("NamaLengkap"));
                            tv_asal.setText(document.getString("AsalPuskesmas"));
                        } else {
                            Log.d("MainActivity", "No such
                            document");
                        }
                    } else {
                        Log.d("MainActivity", "get failed with ",
                        task.getException());
                    }
                }
            });

            formButton = findViewById(R.id.FormButton);
            panduanButton = findViewById(R.id.PanduanButton);
            skriningButton = findViewById(R.id.SkriningButton);
            tentangButton = findViewById(R.id.TentangButton);

```



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```

        public void onClick(View v) {
            Intent i = new Intent(MainActivity.this,

```

```

        startActivity(i);
    }
});

logoutbtn.setOnClickListener(new
View.OnClickListener() {
    @Override
    public void onClick(View v) {

        FirebaseAuth.getInstance().signOut();
        startActivity(new
Intent(getApplicationContext(), LoginActivity.class));
        finish();
    }
});

skriningButton.setOnClickListener(new
View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent i = new Intent(MainActivity.this,
SkriningActivity.class);
        startActivity(i);
    }
});

formButton.setOnClickListener(new
View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent i = new Intent(MainActivity.this,
FormActivity.class);
        startActivity(i);
    }
});

tentangButton.setOnClickListener(new
View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent i = new Intent(MainActivity.this,
TentangActivity.class);
        startActivity(i);
    }
});
}
}
}

```

5. ACTIVITY MAIN.XML

```

6.
7. <?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=".MainActivity">

<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/userinfoLayout"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="32dp"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="32dp"
    android:background="@drawable/shp_user_info"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent">

    <TextView
        android:id="@+id/tv_user"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="32dp"
        android:text="Username"
        android:textColor="@color/black"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.251"

    app:layout_constraintStart_toEndOf="@+id/textView6"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/tv_asal"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"
        android:layout_marginTop="8dp"
        android:layout_marginBottom="16dp"
        android:text="Asal Puskesmas"
        android:textColor="@color/black"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"

    app:layout_constraintStart_toEndOf="@+id/textView15"
        app:layout_constraintTop_toBottomOf="@+id/tv_user"
    />

    <TextView
        android:id="@+id/textView6"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"
        android:layout_marginTop="16dp"
        android:text="Nama: "
        android:textColor="@color/black"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

```

```

<TextView
    android:id="@+id/textView15"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="8dp"
    android:layout_marginBottom="16dp"
    android:text="Puskesmas:"
    android:textColor="@color/black"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/textView6" />
</androidx.constraintlayout.widget.ConstraintLayout>

<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/constraintLayout"
    android:layout_width="340dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="24dp"
    android:layout_marginEnd="16dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/userinfoLayout"
    app:layout_constraintVertical_bias="0.0">

<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/SkriningButton"
    android:layout_width="128dp"
    android:layout_height="128dp"
    android:layout_marginStart="32dp"
    android:layout_marginTop="16dp"
    android:background="@drawable/shp_btn_dashboard"
    app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/FormButton">

<ImageView
    android:id="@+id/imageView4"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:srcCompat="@drawable/img_dashlogo_graph"

/>

<TextView
    android:id="@+id/textView8"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Skrining"

```

```

        android:textColor="@color/black"

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

app:layout_constraintTop_toBottomOf="@+id/imageView4" />
</androidx.constraintlayout.widget.ConstraintLayout>

<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/FormButton"
    android:layout_width="128dp"
    android:layout_height="128dp"
    android:layout_marginStart="32dp"
    android:background="@drawable/shp_btn_dashboard"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent">

    <ImageView
        android:id="@+id/imageView3"
        android:layout_width="0dp"
        android:layout_height="64dp"
        android:layout_marginTop="16dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/img_dashlogo_file" />

    <TextView
        android:id="@+id/textView7"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Formulir"
        android:textColor="@color/black"

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

app:layout_constraintTop_toBottomOf="@+id/imageView3"
    app:layout_constraintVertical_bias="0.448" />
</androidx.constraintlayout.widget.ConstraintLayout>

<androidx.constraintlayout.widget.ConstraintLayout
    android:id="@+id/PanduanButton"
    android:layout_width="128dp"
    android:layout_height="128dp"
    android:layout_marginStart="16dp"
    android:layout_marginEnd="32dp"
    android:background="@drawable/shp_btn_dashboard"
    app:layout_constraintEnd_toEndOf="parent"

app:layout_constraintStart_toEndOf="@+id/FormButton"
    app:layout_constraintTop_toTopOf="parent">

    <ImageView
        android:id="@+id/imageView5"

```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/img_dashlogo_contact"
    />

    <TextView
        android:id="@+id/textView9"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Panduan"
        android:textColor="@color/black"

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

        app:layout_constraintTop_toBottomOf="@+id/imageView5" />
    </androidx.constraintlayout.widget.ConstraintLayout>

    <androidx.constraintlayout.widget.ConstraintLayout
        android:id="@+id/TentangButton"
        android:layout_width="128dp"
        android:layout_height="128dp"
        android:layout_marginStart="16dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="32dp"
        android:background="@drawable/shp_btn_dashboard"
        app:layout_constraintEnd_toEndOf="parent"

        app:layout_constraintStart_toEndOf="@+id/SkriningButton"

        app:layout_constraintTop_toBottomOf="@+id/PanduanButton">

        <ImageView
            android:id="@+id/imageView6"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="16dp"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:srcCompat="@drawable/img_dashlogo_book" />

        <TextView
            android:id="@+id/textView10"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Tentang"
            android:textColor="@color/black"

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

```



```

app:layout_constraintTop_toBottomOf="@+id/imageView6" />
    </androidx.constraintlayout.widget.ConstraintLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
<Button
    android:id="@+id/LogoutBtn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginTop="32dp"
    android:layout_marginEnd="8dp"
    android:text="LogOut"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/constraintLayout"
    app:layout_constraintVertical_bias="0.034" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

6. Halaman Input Data Orang Tua dan Anak Pada Aplikasi M-SDIDTK

The screenshot displays the M-SDIDTK application interface. At the top, there is a green header bar with the text "M-SDIDTK". Below the header, the form is organized into two sections:

- Data Orang Tua**: This section contains three input fields: "Nama Orang Tua", "Nomor KTP", and "Alamat".
- Data Anak**: This section contains four input fields: "Nama Anak", "Umur (dalam Bulan)", "Berat Badan", and "Tinggi Badan".

The application is running on an Android device, as indicated by the status bar at the top (showing 8:13 and various icons) and the navigation bar at the bottom.

Code Program Halaman Input Data Orang Tua dan Anak Pada Aplikasi M-SDIDTK :

```
TAMBAH ANAK ACTIVITY

package com.daaycomtech.msdidtk;

import androidx.appcompat.app.AppCompatActivity;

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

import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.firestore.DocumentReference;
import com.google.firebase.firestore.FirebaseFirestore;

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

public class TambahAnakActivity extends AppCompatActivity {

    EditText etNamaOrtu, etNoKTP, etAlamat, etNamaAnak, etUmurAnak,
    etKeluhan, etberatbdn, ettinggibdn;
    Button btnSimpan;

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

        etNamaOrtu = findViewById(R.id.etNamaOrtu);
        etNoKTP = findViewById(R.id.etNoKTP);
        etAlamat = findViewById(R.id.etAlamat);
        etNamaAnak = findViewById(R.id.etNamaAnak_skrining);
        etUmurAnak = findViewById(R.id.etUmurAnak);
        etKeluhan = findViewById(R.id.etKeluhan);
        etberatbdn = findViewById(R.id.etberatbdn);
        ettinggibdn = findViewById(R.id.etinggibdn);
        btnSimpan = findViewById(R.id.btn_simpan);

        btnSimpan.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                FirebaseAuth fAuth = FirebaseAuth.getInstance();
                String uID = fAuth.getUid();
                FirebaseFirestore fStore;
                DocumentReference docRef;
            }
        });
    }
}
```



```

        app:layout_constraintTop_toBottomOf="@+id/etAlamat" />

<TextView
    android:id="@+id/textView16"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="16dp"
    android:fontFamily="sans-serif-black"
    android:text="Data Orang Tua"
    android:textColor="@color/black"
    android:textSize="18sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<EditText
    android:id="@+id/etNamaOrtu"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="16dp"
    android:ems="10"
    android:hint="Nama Orang Tua"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView16" />

<EditText
    android:id="@+id/etNoKTP"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="16dp"
    android:ems="10"
    android:hint="Nomor KTP"
    android:inputType="number"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/etNamaOrtu" />

<EditText
    android:id="@+id/etAlamat"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="16dp"
    android:ems="10"
    android:hint="Alamat"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/etNoKTP" />

```

```

<EditText
    android:id="@+id/etNamaAnak_skrining"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="16dp"
    android:ems="10"
    android:hint="Nama Anak"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView17" />

<EditText
    android:id="@+id/etUmurAnak"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="16dp"
    android:ems="10"
    android:hint="Umur (dalam Bulan)"
    android:inputType="number"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/etNamaAnak_skrining"
/>

<EditText
    android:id="@+id/etberatbdn"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="64dp"
    android:layout_marginEnd="16dp"
    android:ems="10"
    android:hint="Berat Badan"
    android:inputType="number"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/etNamaAnak_skrining"
/>

<EditText
    android:id="@+id/ettinggibdn"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="116dp"
    android:layout_marginEnd="16dp"
    android:ems="10"
    android:hint="Tinggi Badan"
    android:inputType="number"
    app:layout_constraintEnd_toEndOf="parent"

```

```

app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/etNamaAnak_skrining"
/>

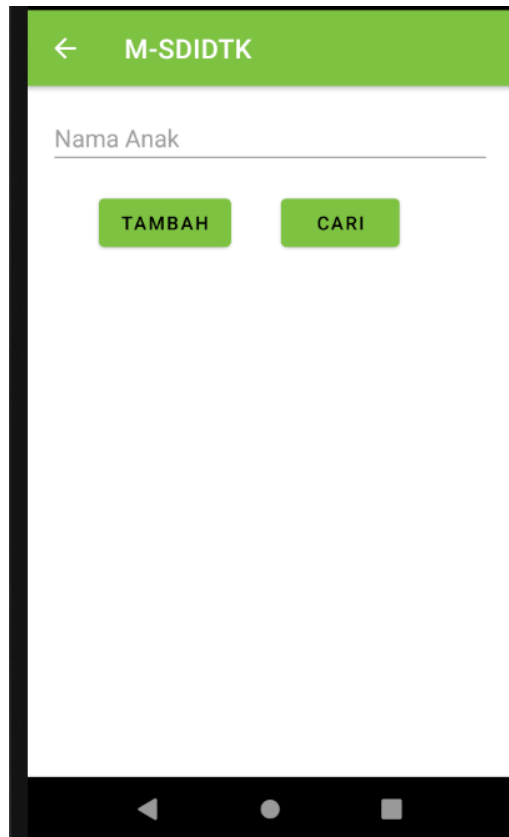
<EditText
    android:id="@+id/etKeluhan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="24dp"
    android:layout_marginEnd="16dp"
    android:ems="10"
    android:gravity="start|top"
    android:hint="Keluhan"
    android:inputType="textMultiLine"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView18" />

<Button
    android:id="@+id/btn_simpan"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:text="Simpan"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.531"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/etKeluhan" />

<TextView
    android:id="@+id/textView18"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="12dp"
    android:layout_marginTop="132dp"
    android:fontFamily="sans-serif-black"
    android:text="Anamnesis"
    android:textColor="@color/black"
    android:textSize="18sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/etUmurAnak" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

7. Halaman Tambah Data Anak atau Serching Data Anak



Code Program Halaman Informasi Kondisi Anak Per Tiga Bulan di Tahun Awal :

```
SKRINING ACTIVITY

package com.daaycomtech.msdidtk;

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

import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.util.StateSet;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.firestore.CollectionReference;
import com.google.firebase.firestore.DocumentReference;
import com.google.firebase.firestore.DocumentSnapshot;
```

```

import com.google.firebase.firestore.FirebaseFirestore;
import com.google.firebase.firestore.Query;
import com.google.firebase.firestore.QueryDocumentSnapshot;
import com.google.firebase.firestore.QuerySnapshot;

public class SkriningActivity extends AppCompatActivity {

    EditText etNamaAnak;
    Button btn_tambah, btn_cari;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);
        setContentView(R.layout.activity_skrining);

        etNamaAnak = findViewById(R.id.etNamaAnak_skrining);
        btn_tambah = findViewById(R.id.btn_tambah);
        btn_cari = findViewById(R.id.btn_cari);

        btn_tambah.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                startActivity(new Intent(SkriningActivity.this,
TambahAnakActivity.class) );
            }
        });

        btn_cari.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                String namaAnak = etNamaAnak.getText().toString();

                FirebaseFirestore fStore =
                FirebaseFirestore.getInstance();
                CollectionReference colRef = fStore.collection("anak");
                Query query = colRef.whereEqualTo("NamaAnak", namaAnak);
                query.get().addOnCompleteListener(new
                OnCompleteListener<QuerySnapshot>() {
                    @Override
                    public void onComplete(@NonNull Task<QuerySnapshot>
                task) {
                        for (QueryDocumentSnapshot doc :
                task.getResult()) {
                            Log.d("SkriningActivity", doc.getId() + " =>
                " + doc.getData());
                            // Log.d("SkriningActivity", "onComplete: " +
                doc.getString("NamaAnak"));
                            Intent i = new Intent(SkriningActivity.this,
                DetailAnakActivity.class);
                            i.putExtra("EXTRA_NAMAORTU",
                doc.getString("NamaOrangTua"));
                            i.putExtra("EXTRA_KTPORTU",
                doc.getString("NoKTPOrangTua"));
                            i.putExtra("EXTRA_ALAMAT",
                doc.getString("AlamatOrangTua"));
            }
        }
    }
}

```

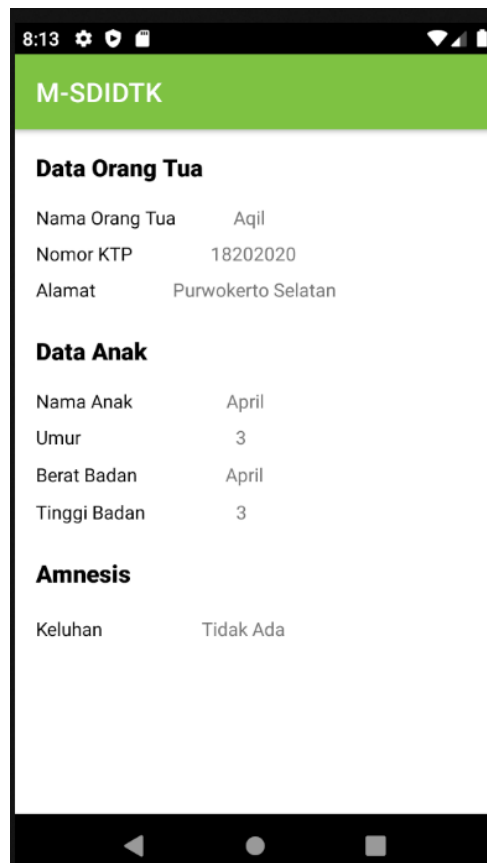


```

android:layout_height="wrap_content"
android:layout_marginStart="16dp"
android:layout_marginTop="16dp"
android:layout_marginEnd="16dp"
android:ems="10"
android:hint="Nama Anak"
android:inputType="textPersonName"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

8. Halaman Tampil Data Orang Tua dan Anak Anggota M-SDIDTK



Code Program Halaman Tampil Data Orang Tua dan Anak Anggota M-SDIDTK :

```

DETAIL ANAK ACTIVITY

package com.daaycomtech.msdkidtk;

import androidx.appcompat.app.AppCompatActivity;

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

public class DetailAnakActivity extends AppCompatActivity {

```

```

        TextView tvNamaOrtu, tvKTPOrtu, tvAlamat, tvNamaAnak, tvUmurAnak,
        tv_keluhan, tvberatbdn,tvtinggibdn;
        String namaOrtu, ktpOrtu, alamat, namaAnak, umurAnak, keluhan,
        beratBdn, TinggiBdn;

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

            tvNamaOrtu = findViewById(R.id.tv_nama_orangtua);
            tvKTPOrtu = findViewById(R.id.tv_nomor_ktp);
            tvAlamat = findViewById(R.id.tv_alamat);
            tvNamaAnak = findViewById(R.id.tv_nama_anak);
            tvUmurAnak = findViewById(R.id.tv_umur_anak);
            tv_keluhan = findViewById(R.id.tv_keluhan);
            tvberatbdn = findViewById(R.id.tv_berat_badan);
            tvtinggibdn = findViewById(R.id.tv_tinggi_badan);

            Intent intent = getIntent();
            namaOrtu = intent.getStringExtra("EXTRA_NAMAORTU");
            ktpOrtu = intent.getStringExtra("EXTRA_KTPORTU");
            alamat = intent.getStringExtra("EXTRA_ALAMAT");
            namaAnak = intent.getStringExtra("EXTRA_NAMAANAK");
            umurAnak = intent.getStringExtra("EXTRA_UMURANAK");
            beratBdn = intent.getStringExtra("EXTRA_NAMAANAK");
            TinggiBdn = intent.getStringExtra("EXTRA_UMURANAK");
            keluhan = intent.getStringExtra("EXTRA_KELUHAN");

            tvNamaOrtu.setText(namaOrtu);
            tvKTPOrtu.setText(ktpOrtu);
            tvAlamat.setText(alamat);
            tvNamaAnak.setText(namaAnak);
            tvUmurAnak.setText(umurAnak);
            tvberatbdn.setText(beratBdn);
            tvtinggibdn.setText(TinggiBdn);
            tv_keluhan.setText(keluhan);
        }
    }
}

```

DETAIL ANAK ACTIVITY.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=".DetailAnakActivity">

    <TextView
        android:id="@+id/textView21"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"

```

```
android:layout_marginTop="80dp"  
android:fontFamily="sans-serif-black"  
android:text="Amnesia"  
android:textColor="@color/black"  
android:textSize="18sp"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/textView27" />
```

<TextView

```
android:id="@+id/textView28"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginStart="16dp"  
android:layout_marginTop="20dp"  
android:text="Keluhan"  
android:textColor="@color/black"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/textView21" />
```

<TextView

```
android:id="@+id/tv_keluhan"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginTop="20dp"  
android:text="tv_keluhan"  
android:textAlignment="textStart"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.32"  
app:layout_constraintStart_toEndOf="@+id/textView28"  
app:layout_constraintTop_toBottomOf="@+id/textView21" />
```

<TextView

```
android:id="@+id/textView19"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginStart="16dp"  
android:layout_marginTop="16dp"  
android:fontFamily="sans-serif-black"  
android:text="Data Orang Tua"  
android:textColor="@color/black"  
android:textSize="18sp"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent" />
```

<TextView

```
android:id="@+id/textView20"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginStart="16dp"  
android:layout_marginTop="24dp"  
android:fontFamily="sans-serif-black"  
android:text="Data Anak"  
android:textAlignment="textStart"  
android:textColor="@color/black"  
android:textSize="18sp"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/textView25" />
```

```
<TextView
    android:id="@+id/textView22"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="16dp"
    android:text="Nama Orang Tua"
    android:textColor="@color/black"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView19" />

<TextView
    android:id="@+id/textView24"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="8dp"
    android:text="Nomor KTP"
    android:textColor="@color/black"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView22" />

<TextView
    android:id="@+id/textView25"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="8dp"
    android:text="Alamat"
    android:textColor="@color/black"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView24" />

<TextView
    android:id="@+id/textView26"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="16dp"
    android:text="Nama Anak"
    android:textColor="@color/black"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView20" />

<TextView
    android:id="@+id/textView27"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="16dp"
    android:layout_marginTop="8dp"
    android:text="Umur"
    android:textColor="@color/black"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView26" />

<TextView
```

```
android:id="@+id/textView23"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginStart="16dp"  
android:layout_marginTop="36dp"  
android:text="Berat Badan"  
android:textColor="@color/black"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/textView26" />
```

<TextView

```
android:id="@+id/textView29"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginStart="16dp"  
android:layout_marginTop="64dp"  
android:text="Tinggi Badan"  
android:textColor="@color/black"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/textView26" />
```

<TextView

```
android:id="@+id/tv_nama_orangtua"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginTop="16dp"  
android:text="tv_nama_orangtua"  
android:textAlignment="textStart"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.2"  
app:layout_constraintStart_toEndOf="@+id/textView22"  
app:layout_constraintTop_toBottomOf="@+id/textView19" />
```

<TextView

```
android:id="@+id/tv_nomor_ktp"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginTop="8dp"  
android:text="tv_nomor_ktp"  
android:textAlignment="textStart"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.281"  
app:layout_constraintStart_toEndOf="@+id/textView24"  
app:layout_constraintTop_toBottomOf="@+id/tv_nama_orangtua" />
```

<TextView

```
android:id="@+id/tv_alamat"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginTop="8dp"  
android:text="tv_alamat"  
android:textAlignment="textStart"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.325"  
app:layout_constraintStart_toEndOf="@+id/textView25"  
app:layout_constraintTop_toBottomOf="@+id/tv_nomor_ktp" />
```

```
<TextView
    android:id="@+id/tv_nama_anak"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:text="tv_nama_anak"
    android:textAlignment="textStart"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.287"
    app:layout_constraintStart_toEndOf="@+id/textView26"
    app:layout_constraintTop_toBottomOf="@+id/textView20" />

<TextView
    android:id="@+id/tv_umur_anak"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:text="tv_umur_anak"
    android:textAlignment="textStart"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.383"
    app:layout_constraintStart_toEndOf="@+id/textView27"
    app:layout_constraintTop_toBottomOf="@+id/tv_nama_anak" />

<TextView
    android:id="@+id/tv_berat_badan"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="36dp"
    android:text="tv_berat_badan"
    android:textAlignment="textStart"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.383"
    app:layout_constraintStart_toEndOf="@+id/textView27"
    app:layout_constraintTop_toBottomOf="@+id/tv_nama_anak" />

<TextView
    android:id="@+id/tv_tinggi_badan"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="64dp"
    android:text="tv_tinggi_badan"
    android:textAlignment="textStart"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.384"
    app:layout_constraintStart_toEndOf="@+id/textView27"
    app:layout_constraintTop_toBottomOf="@+id/tv_nama_anak" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

9. Halaman Informasi Kondisi Anak Per Tri Wulan

M-SDIDTK
KPSP
3 Bulan
6 Bulan
9 Bulan
12 Bulan
15 Bulan
18 Bulan
21 Bulan
24 Bulan
30 Bulan
36 Bulan

Code Program Halaman Informasi Kondisi Anak Per Tri Wulan :

```
FORM ACTIVITY

package com.daaycomtech.msdidtk;

import androidx.appcompat.app.AppCompatActivity;

import android.app.DownloadManager;
import android.content.Context;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.ExpandableListAdapter;
import android.widget.ExpandableListView;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.storage.FileDownloadTask;
import com.google.firebase.storage.FirebaseStorage;
import com.google.firebase.storage.StorageReference;

import java.io.File;
import java.io.IOException;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
```



```

import static android.os.Environment.DIRECTORY_DOWNLOADS;

public class FormActivity extends AppCompatActivity {

    TextView tv3Bulan,
    tv6Bulan, tv9Bulan, tv12Bulan, tv15Bulan, tv18Bulan, tv21Bulan, tv24Bulan, tv30
    Bulan, tv36Bulan, tv42Bulan, tv48Bulan, tv54Bulan, tv60Bulan, tv66Bulan, tv72Bu
    lan, tvRekap;

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

        tv3Bulan = findViewById(R.id.tv_3bulan2);
        tv6Bulan = findViewById(R.id.tv_6bulan2);
        tv9Bulan = findViewById(R.id.tv_9bulan);
        tv12Bulan = findViewById(R.id.tv_12bulan);
        tv15Bulan = findViewById(R.id.tv_15bulan);
        tv18Bulan = findViewById(R.id.tv_18bulan);
        tv21Bulan = findViewById(R.id.tv_21bulan);
        tv24Bulan = findViewById(R.id.tv_24bulan);
        tv30Bulan = findViewById(R.id.tv_30bulan);
        tv36Bulan = findViewById(R.id.tv_36bulan);
        tv42Bulan = findViewById(R.id.tv_42bulan);
        tv48Bulan = findViewById(R.id.tv_48bulan);
        tv54Bulan = findViewById(R.id.tv_54bulan);
        tv60Bulan = findViewById(R.id.tv_60bulan);
        tv66Bulan = findViewById(R.id.tv_66bulan);
        tv72Bulan = findViewById(R.id.tv_72bulan);
        tvRekap = findViewById(R.id.tv_Rekap);

        tv3Bulan.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                download("Formulir KPSP Bayi Umur 3 Bulan", ".pdf");
            }
        });

        tv6Bulan.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                download("Formulir KPSP Bayi Umur 6 Bulan", ".pdf");
            }
        });

        tv9Bulan.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                download("Formulir KPSP Bayi Umur 9 Bulan", ".pdf");
            }
        });

        tv12Bulan.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                download("Formulir KPSP Bayi Umur 12 Bulan", ".pdf");
            }
        });
    }
}

```

```

    }
});
tv158Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        download("Formulir KPSP Bayi Umur 15 Bulan",".pdf");
    }
});
tv18Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        download("Formulir KPSP Bayi Umur 18 Bulan",".pdf");
    }
});
tv21Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        download("Formulir KPSP Bayi Umur 21 Bulan",".pdf");
    }
});
tv24Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        download("Formulir KPSP Bayi Umur 24 Bulan",".pdf");
    }
});
tv30Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        download("Formulir KPSP Bayi Umur 30 Bulan",".pdf");
    }
});
tv36Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        download("Formulir KPSP Bayi Umur 36 Bulan",".pdf");
    }
});
tv42Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        download("Formulir KPSP Bayi Umur 42 Bulan",".pdf");
    }
});
tv48Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        download("Formulir KPSP Bayi Umur 48 Bulan",".pdf");
    }
});
tv54Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        download("Formulir KPSP Bayi Umur 54 Bulan",".pdf");
    }
});
tv60Bulan.setOnClickListener(new View.OnClickListener() {

```

```

        @Override
        public void onClick(View v) {
            download("Formulir KPSP Bayi Umur 60 Bulan", ".pdf");
        }
    });
    tv66Bulan.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            download("Formulir KPSP Bayi Umur 66 Bulan", ".pdf");
        }
    });
    tv72Bulan.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            download("Formulir KPSP Bayi Umur 72 Bulan", ".pdf");
        }
    });

    tvRekap.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            download("Formulir rekap lengkap", ".pdf");
        }
    });
}

public void download(String namaFile, String ekstensi) {
    StorageReference storageRef =
    FirebaseStorage.getInstance().getReference();
    StorageReference ref =
    storageRef.child("Formulir/"+namaFile+ekstensi);
    ref.getDownloadUrl().addOnSuccessListener(new
    OnSuccessListener<Uri>() {
        @Override
        public void onSuccess(Uri uri) {
            String url = uri.toString();
            downloadFile(FormActivity.this, namaFile, ekstensi,
            DIRECTORY_DOWNLOADS, url);
            Toast.makeText(FormActivity.this, "File di Download",
            Toast.LENGTH_SHORT).show();
        }
    });
}

public void downloadFile(Context context, String fileName, String
fileExtension, String destinationDirectory, String url) {
    DownloadManager downloadManager = (DownloadManager)
    context.getSystemService(Context.DOWNLOAD_SERVICE);
    Uri uri = Uri.parse(url);
    DownloadManager.Request request = new
    DownloadManager.Request(uri);

    request.setNotificationVisibility(DownloadManager.Request.VISIBILITY_VIS
    IBLE);
    request.setDestinationInExternalFilesDir(context,
    destinationDirectory, fileName+fileExtension);
}

```

```
        downloadManager.enqueue(request);
    }
}
```

FORM ACTIVITY.XML

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".FormActivity">

    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent">

            </androidx.constraintlayout.widget.ConstraintLayout>

            <TextView
                android:id="@+id/textView14"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginStart="16dp"
                android:layout_marginTop="16dp"
                android:fontFamily="sans-serif-black"
                android:text="KPSP"
                android:textColor="@color/black"
                android:textSize="18sp"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toTopOf="parent" />

            <TextView
                android:id="@+id/tv_3bulan2"
                android:layout_width="0dp"
                android:layout_height="wrap_content"
                android:layout_marginTop="16dp"
                android:background="@drawable/shp_row_child"
                android:padding="10dp"
                android:text="3 Bulan"
                android:textColor="@color/black"
                app:layout_constraintEnd_toEndOf="parent"
                app:layout_constraintStart_toStartOf="parent"
                app:layout_constraintTop_toBottomOf="@+id/textView14" />

            <TextView
                android:id="@+id/tv_6bulan2"
                android:layout_width="0dp"
                android:layout_height="wrap_content"
                android:layout_marginTop="8dp"
                android:background="@drawable/shp_row_child"
                android:padding="10dp"
```

```
android:text="6 Bulan"  
android:textColor="@color/black"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.0"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/tv_3bulan2" />
```

<TextView

```
android:id="@+id/tv_9bulan"  
android:layout_width="0dp"  
android:layout_height="wrap_content"  
android:layout_marginTop="8dp"  
android:background="@drawable/shp_row_child"  
android:padding="10dp"  
android:text="9 Bulan"  
android:textColor="@color/black"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.0"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/tv_6bulan2" />
```

<TextView

```
android:id="@+id/tv_12bulan"  
android:layout_width="0dp"  
android:layout_height="wrap_content"  
android:layout_marginTop="8dp"  
android:background="@drawable/shp_row_child"  
android:padding="10dp"  
android:text="12 Bulan"  
android:textColor="@color/black"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.0"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/tv_9bulan" />
```

<TextView

```
android:id="@+id/tv_15bulan"  
android:layout_width="0dp"  
android:layout_height="wrap_content"  
android:layout_marginTop="8dp"  
android:background="@drawable/shp_row_child"  
android:padding="10dp"  
android:text="15 Bulan"  
android:textColor="@color/black"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.0"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/tv_12bulan" />
```

<TextView

```
android:id="@+id/tv_18bulan"  
android:layout_width="0dp"  
android:layout_height="wrap_content"  
android:layout_marginTop="8dp"  
android:background="@drawable/shp_row_child"  
android:padding="10dp"  
android:text="18 Bulan"  
android:textColor="@color/black"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.0"
```

```

        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/tv_15bulan" />
<TextView
    android:id="@+id/tv_21bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="21 Bulan"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv_18bulan" />
<TextView
    android:id="@+id/tv_24bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="24 Bulan"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv_21bulan" />
<TextView
    android:id="@+id/tv_30bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="30 Bulan"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv_24bulan" />
<TextView
    android:id="@+id/tv_36bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="36 Bulan"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv_30bulan" />
<TextView
    android:id="@+id/tv_42bulan"
    android:layout_width="0dp"

```

```
        android:layout_height="wrap_content"
        android:layout_marginTop="8dp"
        android:background="@drawable/shp_row_child"
        android:padding="10dp"
        android:text="42 Bulan"
        android:textColor="@color/black"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/tv_36bulan" />
<TextView
    android:id="@+id/tv_48bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="48 Bulan"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv_42bulan" />
<TextView
    android:id="@+id/tv_54bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="54 Bulan"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv_48bulan" />
<TextView
    android:id="@+id/tv_60bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="60 Bulan"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv_54bulan" />
<TextView
    android:id="@+id/tv_66bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="66 Bulan"
```

```

        android:textColor="@color/black"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/tv_60bulan" />
<TextView
    android:id="@+id/tv_72bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="72 Bulan"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv_66bulan" />

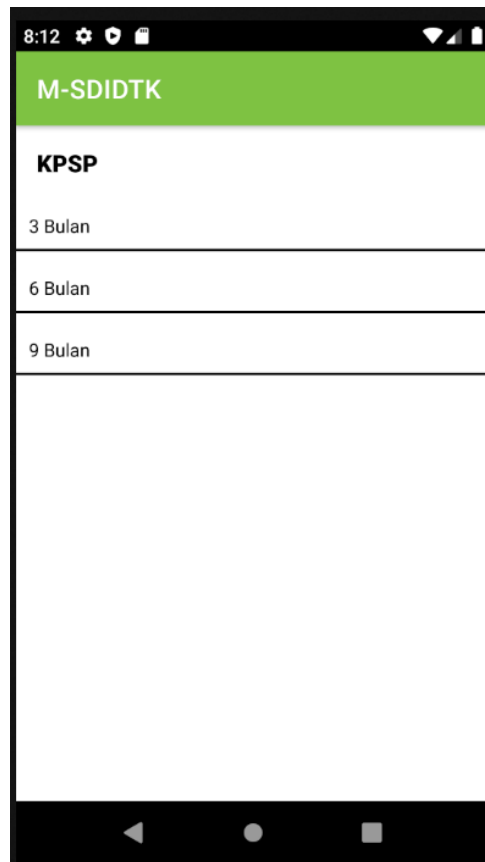
<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:fontFamily="sans-serif-black"
    android:text="Rekap"
    android:textColor="@color/black"
    android:textSize="18sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.044"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv_72bulan" />

<TextView
    android:id="@+id/tv_Rekap"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="Rekap"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView5" />
</androidx.constraintlayout.widget.ConstraintLayout>

</ScrollView>

```


10. Halaman Informasi Kondisi Anak Per Tiga Bulan di Tahun Awal



Code Program Halaman Informasi Kondisi Anak Per Tiga Bulan di Tahun Awal :

```
PANDUAN ACTIVITY

package com.daaycomtech.msdidtk;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;

public class PanduanActivity extends AppCompatActivity {

    TextView tv3Bulan, tv6Bulan, tv9Bulan;

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

        tv3Bulan = findViewById(R.id.tv_3bulan);
    }
}
```

```

tv6Bulan = findViewById(R.id.tv_6bulan);
tv9Bulan = findViewById(R.id.tv_9bulan);

tv3Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        viewPDF("Panduan Skrining Bayi Umur 3 Bulan.pdf");
    }
});

tv6Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        viewPDF("Panduan Skrining Bayi Umur 6 Bulan.pdf");
    }
});

tv9Bulan.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        viewPDF("Panduan Skrining Bayi Umur 9 Bulan.pdf");
    }
});
}

public void viewPDF(String namaFile) {
    Intent i = new Intent(PanduanActivity.this,
PanduanDetailActivity.class);
    i.putExtra("EXTRA_FILENAME", namaFile);
    startActivity(i);
}
}

```

PANDUAN_ACTIVITY.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=".PanduanActivity">

    <TextView
        android:id="@+id/textView13"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="16dp"
        android:layout_marginTop="16dp"
        android:fontFamily="sans-serif-black"
        android:text="KPSP"
        android:textColor="@color/black"
        android:textSize="18sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

```

```
<TextView
    android:id="@+id/tv_3bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="3 Bulan"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView13" />



<TextView
    android:id="@+id/tv_6bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="6 Bulan"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv_3bulan" />

<TextView
    android:id="@+id/tv_9bulan"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:background="@drawable/shp_row_child"
    android:padding="10dp"
    android:text="9 Bulan"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/tv_6bulan" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

11. Halaman Informasi Perkembangan Anak 0-3 Bulan

M-SDIDTK

Tahapan Perkembangan Dan Stimulasi Umur 0-3 Bulan

GERAK KASAR	
<p>TAHAPAN PERKEMBANGAN Meningkat kepala setinggi 45°</p> <p>STIMULASI 1. Mengangkat kepala 45° Letakkan bayi pada posisi telungkup. Gerakan sebuah mainan berwarna cerah atau bunyi-suara gembira di depan bayi sehingga ia akan belajar mengangkat kepalanya. Secara berangsur-angsur ia akan menggerakkan kedua lengannya untuk mengangkat kepala dan dadanya. 2. Menahan kepala tetap tegak Gendong bayi dalam posisi tegak agar ia dapat belajar menahan kepalanya tetap tegak</p> <p>TAHAPAN PERKEMBANGAN Menggerakkan kepala dari kiri/kanan ke tengah</p> <p>STIMULASI Berjingrit Letakkan mainan berwarna cerah di dekat bayi agar ia dapat melihat dan tertarik pada mainan tersebut. Kemudian pindahkan benda tersebut ke sisi lain dengan perlahan. Awalnya, bayi perlu dibantu dengan cara menyalurkan paha bayi agar badannya ikut bergerak miring sehingga memudahkan bayi berguling.</p>	
GERAK HALUS	
<p>TAHAPAN PERKEMBANGAN Melihat dan menatap wajah anda</p> <p>STIMULASI Melihat, meraih dan memandang mainan gantung Gantungkan mainan/benda pada tali diatas bayi dengan jarak 30 cm atau sekitar 2 jengkal tangan orang dewasa. Bayi akan tertarik dan melihat sehingga menggerakkan tangan dan kakinya sebagai reaksi, pastikan benda tersebut tidak bisa dimasukkkan ke mulut bayi dan tidak akan terlepas dari kitan</p> <p>TAHAPAN PERKEMBANGAN Merespon dengan tersenyum</p> <p>STIMULASI Meraba dan memegang benda Letakkan benda/mainan kecil yang berbunyi atau berwarna cerah di tangan bayi atau sertakan benda tersebut pada punggung jari-jarinya. Amati cara ia memegang benda tersebut. Hal ini berhubungan dengan suatu gerak refleks, meraba dan merasukan berbagai bentuk. Semakin bertambah umur bayi, ia akan semakin mampu memegang benda-benda kecil dengan ujung jarinya (menjepit). Jaga agar benda itu tidak masuk ke mulut bayi atau tertelan dan memburuinya tersebut</p>	
BICARA DAN BAHASA	
<p>TAHAPAN PERKEMBANGAN Merespon dengan bersuara dan tersenyum</p> <p>STIMULASI 1. Mengajak bayi tersenyum 2. Berbicara Setiap hari bicaralah dengan bayi dengan bahasa ibu sesering mungkin menggunakan setiap kesempatan seperti waktu memandikan bayi, mengenakan pakatannya, menyusui, di tempat tidur, ketika anda sedang mengerjakan pekerjaan rumah tangga dan sebagainya 3. Mengenal berbagai suara • Ajak bayi mendengarkan berbagai suara seperti suara orang, binatang, radio dan sebagainya. Bayi tidak mendengar dan melihat TV sampai umur 2 tahun. • Tirukan ucapan bayi sesering mungkin agar terjadi komunikasi dan interaksi</p>	

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Code Program Halaman Informasi Kondisi Anak Per Tiga Bulan di Tahun Awal :

```

PANDUAN DETAIL ACTIVITY

package com.daaycomtech.msddtk;

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

import android.net.Uri;
import android.os.Bundle;
import android.util.Log;
import android.widget.Toast;

import com.github.barteksc.pdfviewer.PDFView;
import com.google.android.gms.tasks.OnFailureListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.storage.FirebaseStorage;
import com.google.firebase.storage.StorageReference;

public class PanduanDetailActivity extends AppCompatActivity {

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

```

```

        String fileName =
        "Panduan/" + getIntent().getStringExtra("EXTRA_FILENAME");
        Log.d("PanduanDetailActivity", "onCreate: " + fileName);

        PDFView pdfView = (PDFView) findViewById(R.id.pdfview);
        StorageReference
        mFirebaseStorage=FirebaseStorage.getInstance().getReference();

        final long ONE_MEGABYTE = 1024 * 1024;

        mFirebaseStorage.child(fileName).getBytes(ONE_MEGABYTE).addOnSuccessListener(
        new OnSuccessListener<byte[]>() {
            @Override
            public void onSuccess(byte[] bytes) {
                pdfView.fromBytes(bytes).load();
            }
        }).addOnFailureListener(new OnFailureListener() {
            @Override
            public void onFailure(@NonNull Exception e) {
                Toast.makeText(PanduanDetailActivity.this, "download
        unsuccessful", Toast.LENGTH_LONG).show();
            }
        });
    }
}

```

PANDUAN_DETAIL_ACTIVITY.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=".PanduanDetailActivity">

    <com.github.barteksc.pdfviewer.PDFView
        android:id="@+id/pdfView"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

12. Halaman Copyrigt by DaayComTech



Code Program Halaman Copyrigt

```
TENTANG ACTIVITY

package com.daaycomtech.msdidtk;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class TentangActivity extends AppCompatActivity {

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

        getSupportActionBar().setDisplayHomeAsUpEnabled(true);
    }
}
```

TENTANG ACITIVITY.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=".TentangActivity">

    <ImageView
        android:id="@+id/imageView7"
        android:layout_width="128dp"
        android:layout_height="128dp"
        android:layout_marginTop="32dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/img_sdidthk_logo" />

    <TextView
        android:id="@+id/textView11"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:text="M-SDIDTK"
        android:textColor="@color/black"
        android:textSize="24sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView7" />

    <TextView
        android:id="@+id/textView12"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="8dp"
        android:text="@string/app_desc"
        android:textAlignment="center"
        android:textColor="@color/black"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView11" />

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

FRAGMENT DAFTAR.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="@color/primary1"
tools:context=".DaftarFragment" >

    <EditText
        android:id="@+id/etEmail"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="32dp"
        android:ems="10"
        android:hint="Email"
        android:inputType="none|textWebEmailAddress"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/etPassword"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="32dp"
        android:ems="10"
        android:hint="Password"
        android:inputType="textPassword"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/etEmail" />

    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/btn_daftar"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:background="@color/primary2"
        android:text="Daftar"
        android:textColor="@color/black"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/etPassword" />
</androidx.constraintlayout.widget.ConstraintLayout>
```


FRAGMENT_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"
android:background="@color/primary1"
tools:context=".LoginFragment">

    <EditText
        android:id="@+id/etEmail"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="32dp"
        android:ems="10"
        android:hint="Email"
        android:inputType="none|textWebEmailAddress"
        android:textCursorDrawable="@drawable/edittext_cursor_color"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/etPassword"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="32dp"
        android:ems="10"
        android:hint="Password"
        android:inputType="textPassword"
        android:textCursorDrawable="@drawable/edittext_cursor_color"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/etEmail" />

    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/btn_login"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:background="@color/primary2"
        android:text="Log In"
        android:textColor="@color/black"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.26"
```

```

        app:layout_constraintTop_toBottomOf="@+id/etPassword" />

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/btn_lupa"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:background="@color/primary2"
    android:padding="10dp"
    android:text="Lupa Password"
    android:textColor="@color/black"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@+id/btn_login"
    app:layout_constraintTop_toBottomOf="@+id/etPassword" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

LIST_ROW_CHILD.XML

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <TextView
        android:id="@+id/textViewChild"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:paddingTop="10dp"
        android:paddingBottom="10dp"
        android:background="@drawable/shp_row_child"

        android:paddingLeft="?android:attr/expandableListPreferredChildPaddingLeft"

        android:text="Child"
        android:textColor="@android:color/black"
        android:textSize="17dp" />

</LinearLayout>

```

LIST_ROW_GROUP.XML

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="wrap_content">

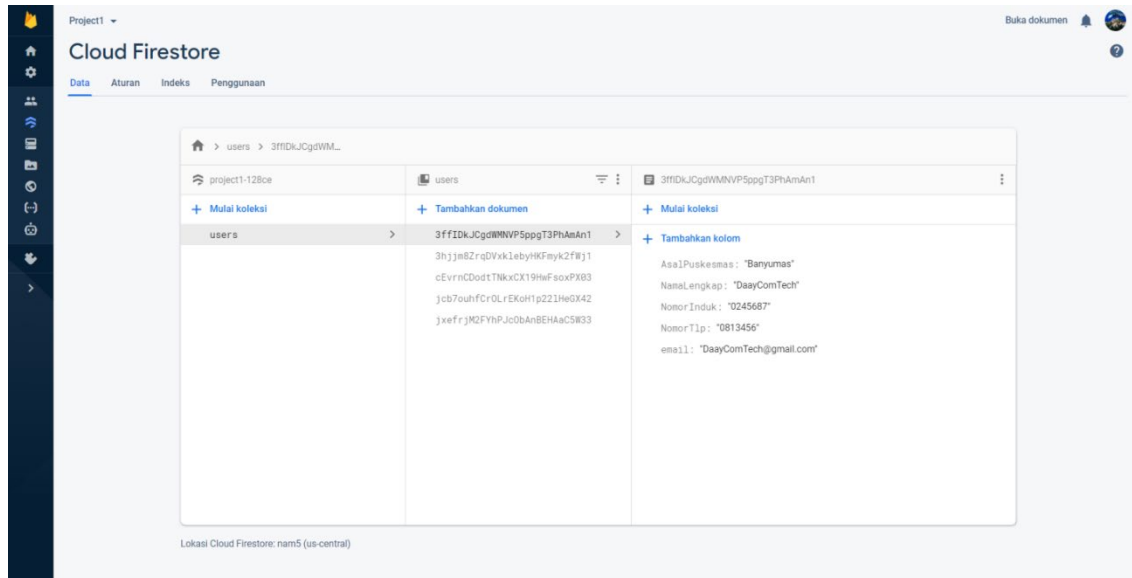
    <TextView
        android:id="@+id/textViewGroup"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@color/primary1"

        android:paddingLeft="?android:attr/expandableListPreferredItemPaddingLeft"

```

```
t"
    android:paddingTop="8dp"
    android:paddingBottom="8dp"
    android:text="Tipe"
    android:textColor="@color/black"
    android:textSize="17dp" />
</LinearLayout>
```

13. Halaman Database FireBase Aplikasi M-SDIDTK



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