Penjelasan kode program :

Activity.main.xml :

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@color/ColorBlue"  
 tools:context=".MainActivity">  
  
  
 <FrameLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 android:id="@+id/frame\_layout"/>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Penjelasan : pada script program diatas yaitu dapat dijelaskan bahwasannya merupakan projeck utama untuk membuat halaman, yang mana dijelaskan diatas adalah menggunakan baground biru yang mana nantinyaa akan terhubung kedalam halaman selanjutnyaa sebagai aktivty selanjutnyaa, dan berikut ditampilkan outputnya :

A screenshot of a computer

Description automatically generated

Fragment.home.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/ColorBlueNote"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/tv1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textSize="@dimen/\_15ssp"  
 android:text="Catatan Harian anak Kos"  
 android:paddingStart="@dimen/\_10sdp"  
 android:paddingTop="@dimen/\_10sdp"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 android:fontFamily="@font/manrope\_bold"  
 android:textColor="@color/ColorWhite"/>  
  
 <SearchView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="@dimen/\_10sdp"  
 android:searchIcon="@drawable/ic\_search"  
 android:background="@drawable/background"  
 android:queryHint="Pencarian catatan"  
 android:theme="@style/ThemeOverlay.search"  
 android:iconifiedByDefault="false"  
 app:layout\_constraintTop\_toBottomOf="@id/tv1"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 android:id="@+id/search\_view"/>  
  
 <androidx.recyclerview.widget.RecyclerView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="@dimen/\_10sdp"  
 app:layout\_constraintTop\_toBottomOf="@id/search\_view"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 android:id="@+id/recycler\_view"/>  
  
 <LinearLayout  
 android:id="@+id/l1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 android:background="@color/colorPrimary"  
 android:padding="@dimen/\_10sdp"  
 android:visibility="invisible"  
 android:orientation="horizontal">  
  
 <ImageView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:src="@drawable/ic\_tick"  
 app:tint="@color/ColorWhite" />  
  
 <ImageView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:src="@drawable/ic\_image"  
 android:layout\_marginStart="@dimen/\_10sdp"  
 android:layout\_marginEnd="@dimen/\_10sdp"  
 app:tint="@color/ColorWhite" />  
  
 <ImageView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:src="@drawable/ic\_link"  
 app:tint="@color/ColorWhite" />  
  
  
 </LinearLayout>  
  
 <com.google.android.material.floatingactionbutton.FloatingActionButton  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:background="@color/colorAccent"  
 android:id="@+id/fabBtnCreateNote"  
 android:tint="@color/ColorWhite"  
 android:layout\_marginEnd="@dimen/\_20sdp"  
 android:layout\_marginBottom="@dimen/\_20sdp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 android:src="@drawable/ic\_add"/>  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Penjelasan : pada program diatas yaitu memberikan sebuah tampilan horizontal yang memuat sebuah tampilan untuk memuat judul yang bisa diakses dan memberikan jawaban, kemudian memberikan sebuah tombol pencarian untuk mencari catatan yang akan dicari, kemudian memberikan sebuah tampilan pada sebuah catatan tersebut. Kemudian terdapat tombol untuk menambahkan sebuah catatan.

Berikutnya tampilan :

A screenshot of a computer

Description automatically generated

Fragment.create.note.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/ColorOrangeNote"  
 tools:context=".MainActivity">  
  
 <ImageView  
 android:id="@+id/imgBack"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="@dimen/\_10sdp"  
 android:layout\_marginTop="@dimen/\_20sdp"  
 android:layout\_marginBottom="@dimen/\_10sdp"  
 android:src="@drawable/ic\_back"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:tint="@color/ColorWhite" />  
  
 <ImageView  
 android:id="@+id/imgDone"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="@dimen/\_20sdp"  
 android:layout\_marginEnd="@dimen/\_10sdp"  
 android:layout\_marginBottom="@dimen/\_10sdp"  
 android:src="@drawable/ic\_tick"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:tint="@color/ColorWhite" />  
  
  
 <EditText  
 android:id="@+id/etNoteTitle"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="@dimen/\_10sdp"  
 android:background="@null"  
 android:ellipsize="end"  
 android:fontFamily="@font/manrope\_bold"  
 android:hint="Judul catatan Harian"  
 android:inputType="text"  
 android:maxLines="1"  
 android:padding="@dimen/\_10sdp"  
 android:textColor="@color/ColorWhite"  
 android:textColorHint="@color/ColorGray"  
 android:textSize="@dimen/\_14ssp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/imgBack" />  
  
  
 <TextView  
 android:id="@+id/tvDateTime"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="@dimen/\_10sdp"  
 android:layout\_marginTop="@dimen/\_5sdp"  
 android:layout\_marginEnd="@dimen/\_10sdp"  
 android:layout\_marginBottom="@dimen/\_5sdp"  
 android:ellipsize="end"  
 android:fontFamily="@font/manrope\_bold"  
 android:maxLines="1"  
 android:paddingStart="@dimen/\_10sdp"  
 android:textColor="@color/ColorGray"  
 android:textColorHint="@color/ColorGray"  
 android:textSize="@dimen/\_8ssp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/etNoteTitle" />  
  
 <LinearLayout  
 android:id="@+id/l1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="@dimen/\_10sdp"  
 android:orientation="horizontal"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/tvDateTime">  
  
  
 <View  
 android:id="@+id/colorView"  
 android:layout\_width="@dimen/\_5sdp"  
 android:layout\_height="match\_parent"  
 android:layout\_marginStart="@dimen/\_5sdp"  
 android:background="@color/ColorBlue" />  
  
 <EditText  
 android:id="@+id/etNoteSubTitle"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="@null"  
 android:ellipsize="end"  
 android:fontFamily="@font/manrope\_regular"  
 android:hint="Masukkan catatan"  
 android:inputType="text"  
 android:maxLines="1"  
 android:padding="@dimen/\_10sdp"  
 android:textColor="@color/ColorWhite"  
 android:textColorHint="@color/ColorGray"  
 android:textSize="@dimen/\_10ssp" />  
 </LinearLayout>  
  
 <RelativeLayout  
 android:id="@+id/layoutImage"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:visibility="gone"  
 app:layout\_constraintTop\_toBottomOf="@id/l1">  
  
  
  
 <ImageView  
 android:id="@+id/imgNote"  
 android:layout\_width="match\_parent"  
 android:layout\_height="@dimen/\_300sdp"  
 android:visibility="gone"  
 android:layout\_marginStart="@dimen/\_10sdp"  
 android:layout\_marginTop="@dimen/\_10sdp"  
 android:layout\_marginEnd="@dimen/\_10sdp" />  
  
 <ImageView  
 android:id="@+id/imgDelete"  
 android:layout\_width="@dimen/\_24sdp"  
 android:layout\_height="@dimen/\_24sdp"  
 android:layout\_marginEnd="@dimen/\_15sdp"  
 android:layout\_marginTop="@dimen/\_20sdp"  
 android:layout\_alignParentEnd="true"  
 android:visibility="gone"  
 android:layout\_alignParentTop="true"  
 android:src="@drawable/ic\_delete" />  
  
  
 </RelativeLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/layoutWebUrl"  
 android:background="@color/colorPrimary"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 android:padding="@dimen/\_10sdp"  
 android:visibility="gone"  
 android:layout\_margin="@dimen/\_10sdp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/layoutImage"  
 android:orientation="vertical">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center"  
 android:orientation="horizontal">  
 <EditText  
 android:id="@+id/etWebLink"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:background="@null"  
 android:fontFamily="@font/manrope\_regular"  
 android:hint="@string/web\_url"  
 android:inputType="textMultiLine"  
 android:padding="@dimen/\_10sdp"  
 android:text="http://"  
 android:textColor="@color/ColorWhite"  
 android:textColorHint="@color/ColorGray"  
 android:textSize="@dimen/\_12ssp" />  
 <ImageView  
 android:id="@+id/imgUrlDelete"  
 android:layout\_width="@dimen/\_24sdp"  
 android:layout\_height="@dimen/\_24sdp"  
 android:visibility="gone"  
 android:src="@drawable/ic\_baseline\_cancel\_24" />  
 </LinearLayout>  
  
  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="end"  
 android:layout\_marginTop="@dimen/\_10sdp"  
 android:gravity="end"  
 android:orientation="horizontal">  
  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="@dimen/\_30sdp"  
 android:fontFamily="@font/manrope\_bold"  
 android:background="@color/colorAccent"  
 android:text="@string/cancel"  
 android:textSize="@dimen/\_12ssp"  
 android:textAllCaps="false"  
 android:textColor="@color/ColorWhite"  
 android:id="@+id/btnCancel"/>  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="@dimen/\_30sdp"  
 android:fontFamily="@font/manrope\_bold"  
 android:background="@color/colorAccent"  
 android:text="@string/ok"  
 android:textAllCaps="false"  
 android:textSize="@dimen/\_12ssp"  
 android:layout\_marginStart="@dimen/\_5sdp"  
 android:textColor="@color/ColorWhite"  
 android:id="@+id/btnOk"/>  
  
  
 </LinearLayout>  
 </LinearLayout>  
  
 <TextView  
 android:id="@+id/tvWebLink"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="@dimen/\_10sdp"  
 android:layout\_marginTop="@dimen/\_5sdp"  
 android:layout\_marginEnd="@dimen/\_10sdp"  
 android:layout\_marginBottom="@dimen/\_5sdp"  
 android:ellipsize="end"  
 android:visibility="gone"  
 android:fontFamily="@font/manrope\_bold"  
 android:padding="@dimen/\_10sdp"  
 android:textColor="@color/ColorGray"  
 android:textColorHint="@color/ColorGray"  
 android:textSize="@dimen/\_12ssp"  
 android:autoLink="web"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/layoutWebUrl" />  
  
 <EditText  
 android:id="@+id/etNoteDesc"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="@dimen/\_10sdp"  
 android:background="@null"  
 android:fontFamily="@font/manrope\_regular"  
 android:hint="Simpan"  
 android:inputType="textMultiLine"  
 android:padding="@dimen/\_10sdp"  
 android:textColor="@color/ColorWhite"  
 android:textColorHint="@color/ColorGray"  
 android:textSize="@dimen/\_12ssp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/tvWebLink" />  
  
 <FrameLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="@dimen/\_40sdp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent">  
  
 <ImageView  
 android:id="@+id/imgMore"  
 android:layout\_width="@dimen/\_24sdp"  
 android:layout\_height="@dimen/\_24sdp"  
 android:layout\_gravity="center"  
 android:src="@drawable/img\_bar" />  
 </FrameLayout>  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Penjelasan : pada tampilan tersebut ada sebuah tombol dan juga aktifitas untuk pindah halaman yang mana akan memuat data dengan cara menginputan sebuah pencatatan tersebut agar bisa tampil di layar sebelumnya.

Berikut tampilan output :

Graphical user interface, application

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