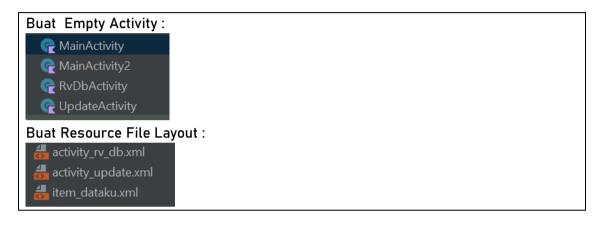


MODUL 6

CARDVIEW WITH SQLITE

(Link Github: https://github.com/bungagana/Cardview-SQLite-Kotlin)

PRAKTIKUM

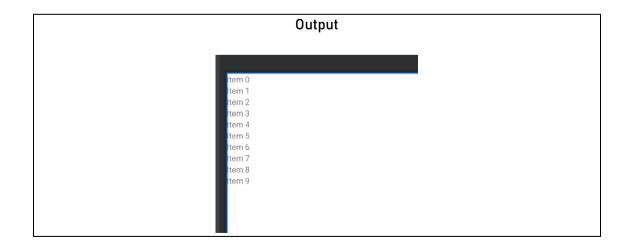


```
</EditText>
   <EditText
       android:textSize="16dp"/>
       android:textSize="16dp"/>
   <EditText
       android:textSize="16dp"/>
   <LinearLayout
           android:text="Show All"
</LinearLayout>
```



```
Activity_Rv.xml
(TAMPILAN RECYCLER VIEW)

<?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=".RvDbActivity">
    <androidx.recyclerview.widget.RecyclerView
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/rv_tampilkan"
        tools:ignore="MissingConstraints" />
</androidx.constraintlayout.widget.ConstraintLayout>
```



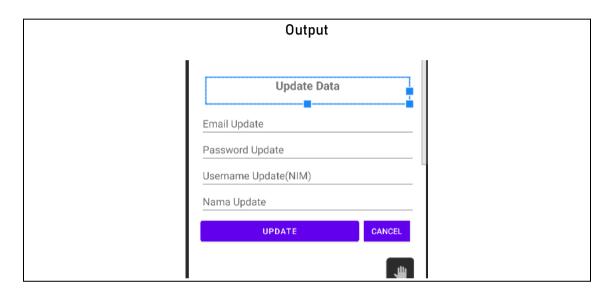
(TAMPILAn KETIKA BUTTON UPDATE DI KLIK)

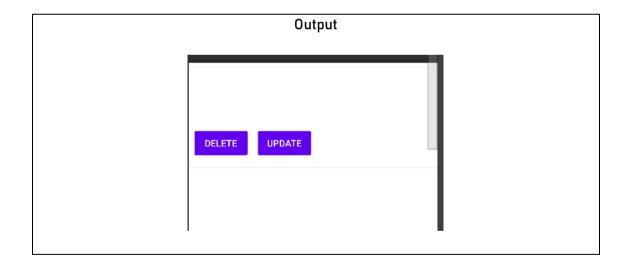
```
<LinearLavout
        android:textAlignment="center"
    <EditText
    <EditText
    <EditText
    <LinearLayout
        android:orientation="horizontal"
            android:layout weight="1"
```

```
android:textColor="@color/white"/>

<Button
    android:id="@+id/btn_cancel"
    style="@style/btn_Style"
    android:text="Cancel"
    android:onClick="cancelData"
    android:textColor="@color/white"/>

</LinearLayout>
```





```
Buat Class Untuk Menampung variable yang akan digunakan untuk inputan pengguna

DataModel (Kotlin Class)

package com.example.cardview_sqlite

data class DBModel (
```

```
var email: String = "",
  var pass: String = "",
  var username: String = "",
  var fullname: String = ""
)
```

DBInfo (Object)

Ini menampung data table, disini membuat table dengan nama user dan memiliki 4 kolom.

```
package com.example.cardview_sqlite

import android.provider.BaseColumns

object DBInfo {
    class UserInput: BaseColumns {
        companion object {
            val TABLE_NAME = "users"
            val COL_EMAIL = "email"
            val COL_PASS = "pass"
            val COL_USERNAME = "username"
            val COL_FULLNAME = "fullname"
        }
    }
}
```

DB Helper (Class)

```
db?.execSQL(SQL CREATE ENTRIES)
   override fun onUpgrade(db: SQLiteDatabase?, oldVersion: Int,
       onUpgrade(db, oldVersion, newVersion)
    @Throws(SQLiteConstraintException::class)
    fun insertData (emailin: String, passin: String, usernamein:
String, fullnamein: String): Boolean {
       db.execSQL(sql)
            cursor = db.rawQuery("SELECT * FROM
            db.execSQL(SQL CREATE ENTRIES)
       var emailt: String
                emailt =
                fullnamet =
cursor.getString(cursor.getColumnIndex(DBInfo.UserInput.COL FULLNAME
```

Class DBAdapter

```
package com.example.cardview_sqlite

import android.content.Intent
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.Button
import android.widget.TextView
import android.widget.TextView
import androidx.recyclerview.widget.RecyclerView

class DBAdapter(private val listDataku: ArrayList<DBModel>):
RecyclerView.Adapter<DBAdapter.CardViewHolder>() {
   inner class CardViewHolder(itemV: View):
RecyclerView.ViewHolder(itemV) {
    var tvemailku: TextView =
   itemV.findViewById(R.id.tv_emailku)

    var tvpassku: TextView = itemV.findViewById(R.id.tv_passku)
    var tvakunku: TextView = itemV.findViewById(R.id.tv_akunku)
   var tvnamaku: TextView = itemV.findViewById(R.id.tv_namaku)
   var btndelete: Button =
```

```
itemV.findViewById(R.id.btn deletecard)
       return CardViewHolder(view)
   override fun onBindViewHolder(holder: CardViewHolder, position:
           adapterDBHelper.deleteData(dataku.email)
           pindahUpdAc.putExtras(bundle)
           holder.itemView.context.startActivity(pindahUpdAc)
   override fun getItemCount(): Int {
```

```
RVDBActivity. kt

package com.example.cardview_sqlite

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import androidx.recyclerview.widget.LinearLayoutManager
import androidx.recyclerview.widget.RecyclerView
```

```
class RvDbActivity : AppCompatActivity() {
    private lateinit var rv_tampilanku: RecyclerView
    lateinit var userDBHelper: DBHelper
    private var list: ArrayList<DBModel> = arrayListOf()
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_rv_db)
        rv_tampilanku = findViewById(R.id.rv_tampilkan)
        rv_tampilanku.setHasFixedSize(true)
        userDBHelper = DBHelper(this)
        list.addAll(userDBHelper.fullData())
        rv_tampilanku.layoutManager = LinearLayoutManager(this)
        var cardData = DBAdapter(list)
        rv_tampilanku.adapter = cardData
    }
}
```

UpdateActivity.kt

```
import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.cos.Bundle
import android.cos.Bundle
import android.view.View
import android.view.View
import android.widget.EditText

class UpdateActivity: AppCompatActivity() {
    lateinit var userDBHelper: DBHelper
    lateinit var inputemail: EditText
    lateinit var inputpass: EditText
    lateinit var inputpass: EditText
    lateinit var inputpass: EditText
    lateinit var inputpase: EditText
    lateinit var inputfullname: EditText
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_update)
        inputemail = findViewById(R.id.input_emailu)
        inputpass = findViewById(R.id.input_mamau)
        inputpass = findViewById(R.id.input_passwordu)
        inputpasername = findViewById(R.id.input_namau)
        userDBHelper = DBHelper(this)
        val bundle = intent.extras
        if (bundle!=nuil) {
              inputpass.setText(bundle.getString("emailk"))
              inputpass.setText(bundle.getString("gassk"))
              inputpass.setText(bundle.getString("gassk"))
              inputpass.setText(bundle.getString("fullnamek"))

        }
    }
    fun updateData(v: View) {
        var emailin = inputpemail.text.toString()
        var passin = inputpass.text.toString()
        var usernamein = inputusername.text.toString()
```

```
var fullnamein = inputfullname.text.toString()
    userDBHelper.updateData(emailin, passin, usernamein,
fullnamein)
    var pindah = Intent(this, RvDbActivity::class.java)
        startActivity(pindah)
}
fun cancelData(v: View) {
    var pindah = Intent(this, RvDbActivity::class.java)
        startActivity(pindah)
    }
}
```

```
MainActivity.kt
import androidx.appcompat.app.AppCompatActivity
class MainActivity : AppCompatActivity() {
```