

*Aplikasi Mobile*  
*“Laporan Praktikum 3”*



Oleh :  
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**(2211533018)**

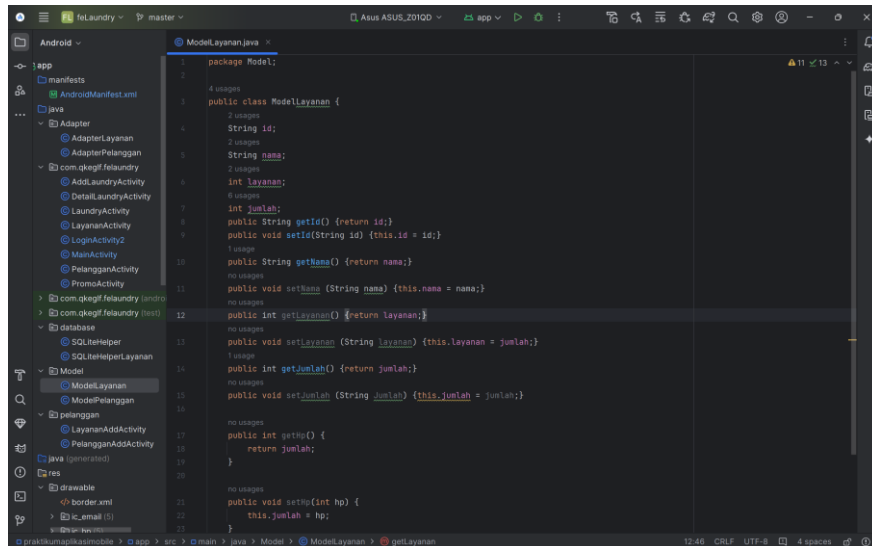
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**DEPERTEMEN INFORMATIKA**  
**UNIVERSITAS ANDALAS**  
**PADANG**  
**2024**

## Laporan Praktikum 3

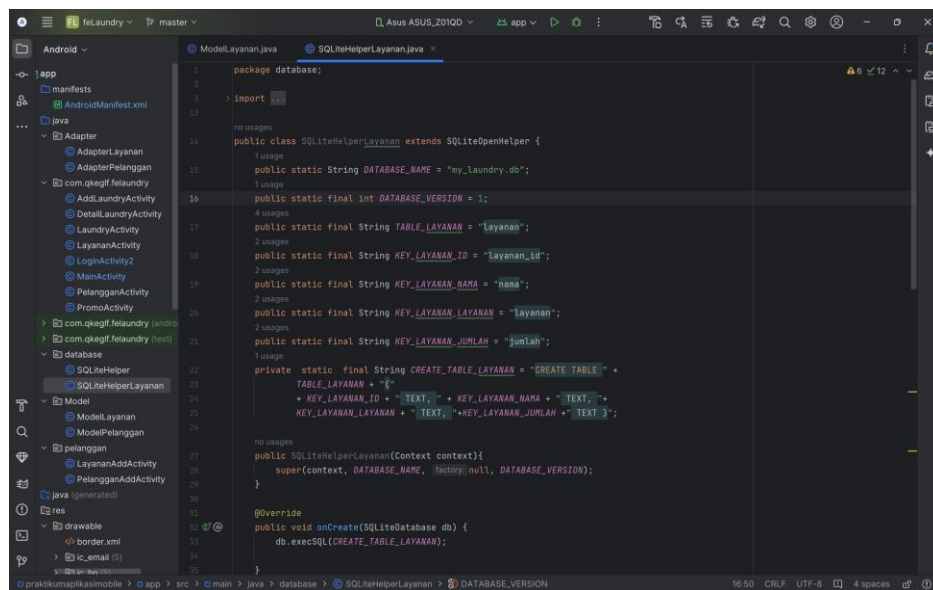
Membuat database SQLite (Create, Read, Update, Delete) untuk membuat fungsi untuk menambah dan menampilkan layanan/service. Berikut Codingan dari java, xml, dan juga tampilan dari masing – masing codingan dan juga tampilan saat aplikasi di running.

### 1. Model Layanan

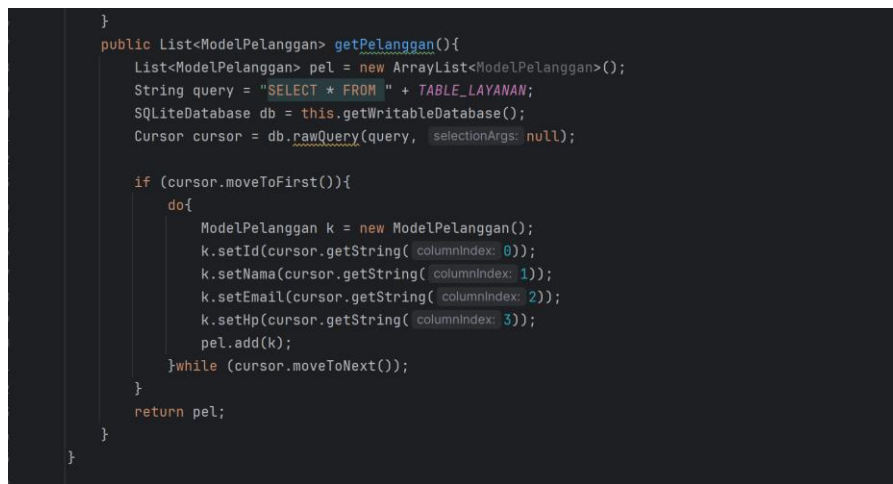
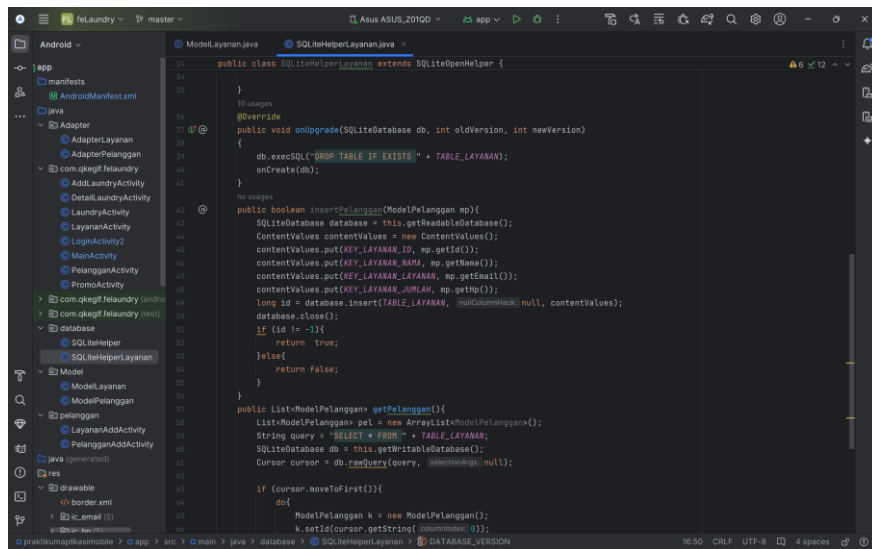


```
1 package Model;
2
3 public class ModelLayanan {
4     String id;
5     String nama;
6     int layanan;
7     int jumlah;
8     public String getId() {return id;}
9     public void setId(String id) {this.id = id;}
10    public String getNama() {return nama;}
11    public void setNama (String nama) {this.nama = nama;}
12    public int getLayanan() {return layanan;}
13    public void setLayanan (String layanan) {this.layanan = layanan;}
14    public int getJumlah() {return jumlah;}
15    public void setJumlah (String jumlah) {this.jumlah = jumlah;}
16
17    public int getHp() {
18        return jumlah;
19    }
20
21    public void setHp(int hp) {
22        this.jumlah = hp;
23    }
24 }
```

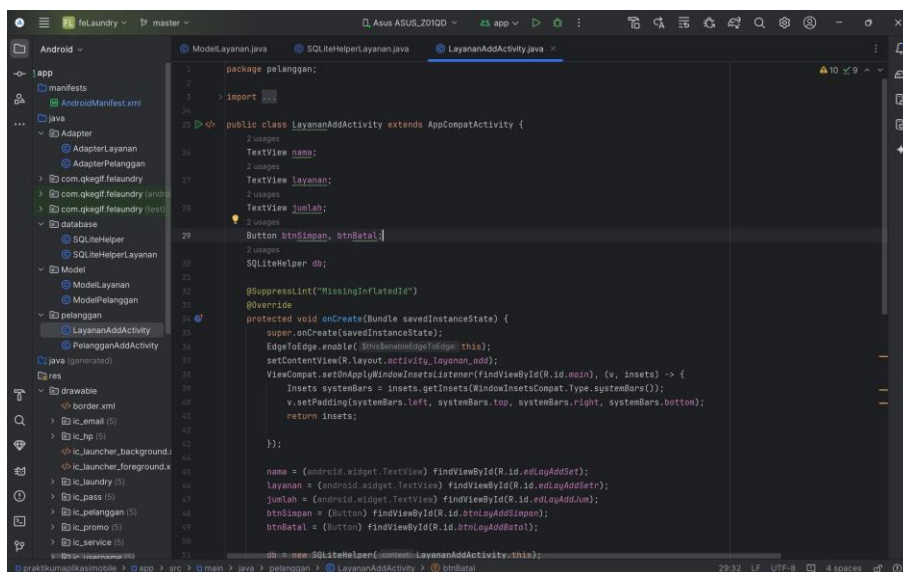
### 2. SQLiteHelper



```
1 package database;
2
3 import androidx.sqlite.db;
4
5 public class SQLiteHelperLayanan extends SQLiteOpenHelper {
6     public static String DATABASE_NAME = "my_laundry.db";
7     public static final int DATABASE_VERSION = 1;
8     public static final String TABLE_LAYANAN = "Layanan";
9     public static final String KEY_LAYANAN_ID = "Layanan_id";
10    public static final String KEY_LAYANAN_NAMA = "nama";
11    public static final String KEY_LAYANAN_LAYANAN = "Layanan";
12    public static final String KEY_LAYANAN_JUMLAH = "jumlah";
13
14    private static final String CREATE_TABLE_LAYANAN = "CREATE TABLE " +
15        TABLE_LAYANAN + " (" +
16        KEY_LAYANAN_ID + " TEXT," + KEY_LAYANAN_NAMA + " TEXT," +
17        KEY_LAYANAN_LAYANAN + " TEXT," + KEY_LAYANAN_JUMLAH + " TEXT )";
18
19    public SQLiteHelperLayanan(Context context){
20        super(context, DATABASE_NAME, null, DATABASE_VERSION);
21    }
22
23    @Override
24    public void onCreate(SQLiteDatabase db) {
25        db.execSQL(CREATE_TABLE_LAYANAN);
26    }
27 }
```



### 3. LayananAddActivity.java





```

1 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
2
3 <LinearLayout
4
5 <TextView
6     android:layout_height="wrap_content"
7     android:text="Jumlah"
8     android:textColor="@android:color/black"/>
9
10 <EditText
11     android:id="@+id/edLayAddJum"
12     android:layout_width="match_parent"
13     android:layout_height="40dp"
14     android:layout_marginTop="12dp"
15     android:background="@drawable/border"
16     android:drawableLeft="@drawable/promolay"
17     android:drawablePadding="12dp"
18     android:inputType="number"
19     android:padding="12dp"
20     tools:ignore="SpeakableTextPresentCheck" />
21 </LinearLayout>
22 <LinearLayout
23     android:layout_marginTop="16dp"
24     android:layout_width="match_parent"
25     android:layout_height="wrap_content"
26     android:orientation="horizontal"
27     android:weightSum="2">
28     <Button
29         android:id="@+id/btnLayAddSimpn"
30         android:layout_marginRight="4dp"
31         android:background="@color/primarycolor"
32         android:textColor="@color/white"
33         android:layout_width="match_parent"
34         android:layout_height="wrap_content"
35         android:layout_weight="1"
36         android:text="Simpan"/>
37     <Button
38         android:id="@+id/btnLayAddBatal"
39         android:layout_marginLeft="4dp"
40         android:textColor="@color/white"
41         android:background="@color/black"
42         android:layout_width="match_parent"
43         android:layout_height="wrap_content"
44         android:layout_weight="1"
45         android:text="Batal"/>
46 </LinearLayout>
47 </LinearLayout>
48 </LinearLayout>
49 </LinearLayout>
50

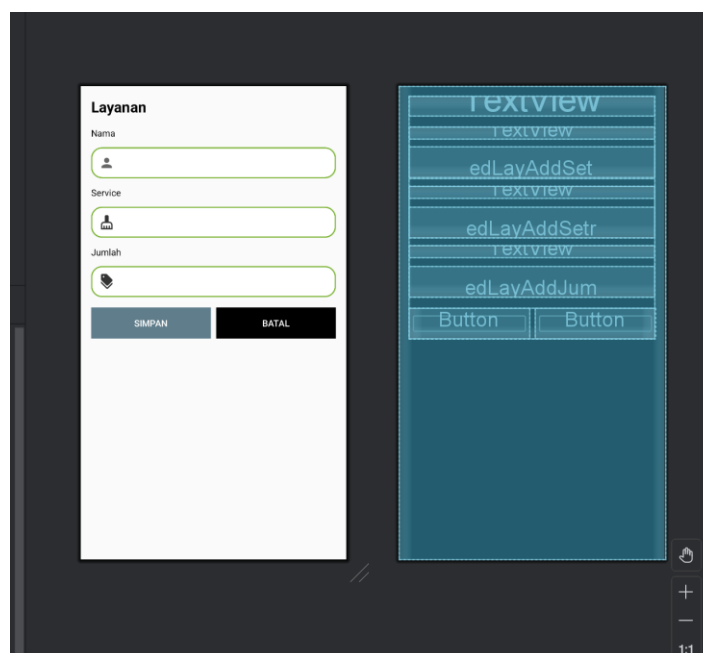
```

```

<Button
    android:id="@+id/btnLayAddBatal"
    android:layout_marginLeft="4dp"
    android:textColor="@color/white"
    android:background="@color/black"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Batal"/>
</Button>
</LinearLayout>
</LinearLayout>
</LinearLayout>

```

## 5. Tampilan LayananAddActivity



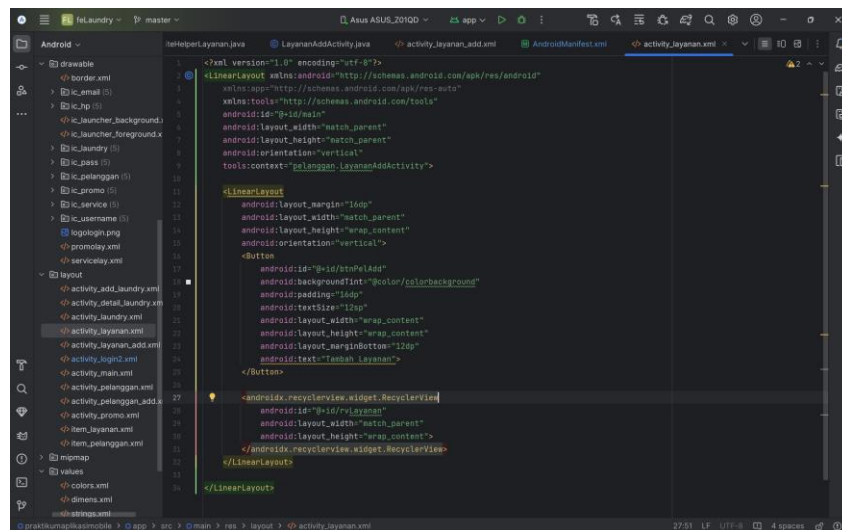
## 6. Database SQLite Manifest

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">

    <uses-permission
        android:name="android.permission.READ_EXTERNAL_STORAGE"
        tools:ignore="ManifestOrder,WrongManifestParent" />

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="FeLaundry"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/Theme.FeLaundry"
        tools:targetApi="31">
```

## 7. LayananActivity.xml menggunakan RecyclerView



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context="palaapp.LayananAddActivity">

    <LinearLayout
        android:layout_margin="16dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">

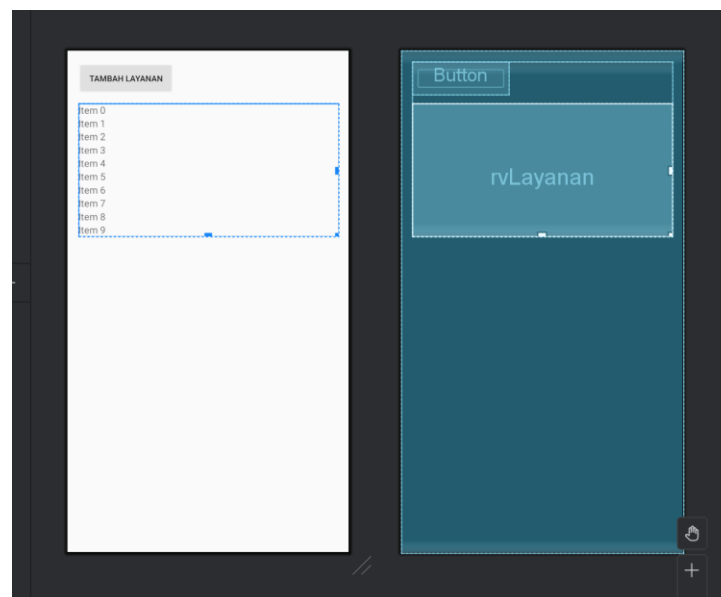
        <Button
            android:id="@+id/btnFeLaundry"
            android:background="@color/colorBackground"
            android:padding="10dp"
            android:textSize="12dp"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginBottom="12dp"
            android:text="Tambah Layanan">

    </Button>

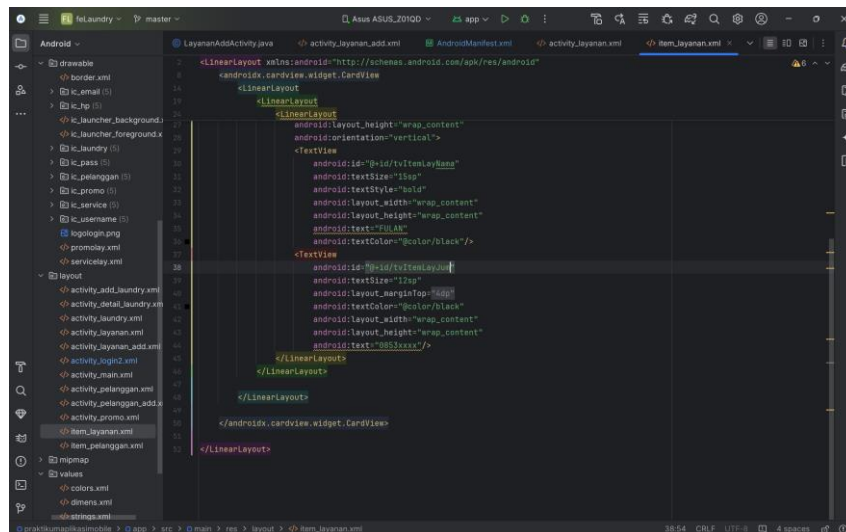
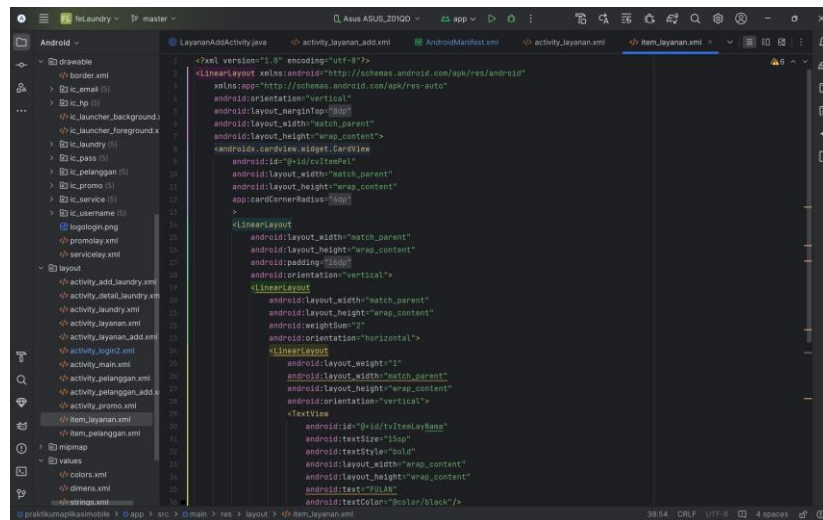
    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/rvLayanan"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
    </androidx.recyclerview.widget.RecyclerView>

</LinearLayout>
```

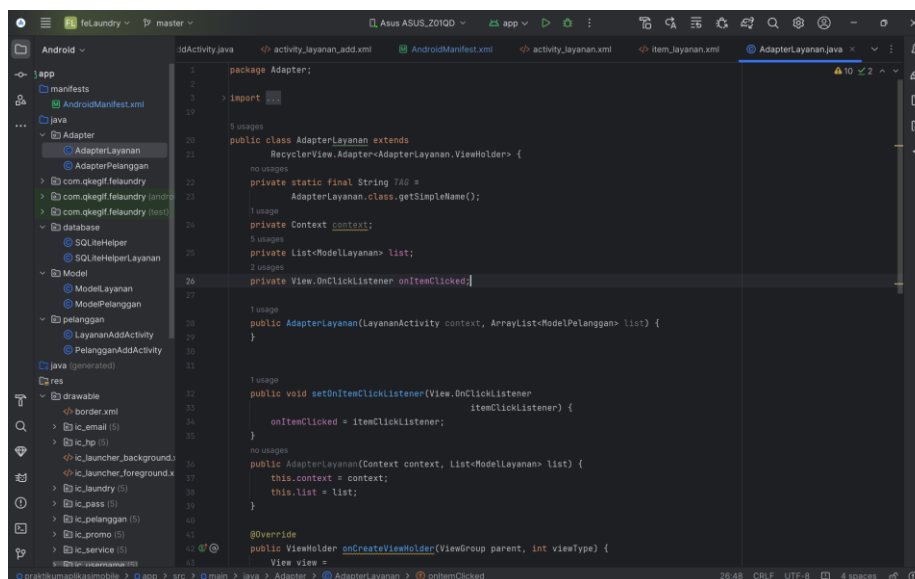
## 8. Tampilan LayananActivity menggunakan RecyclerView



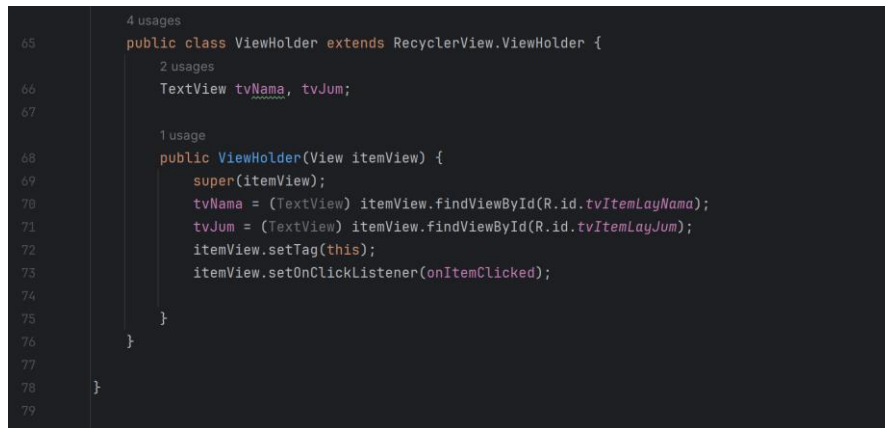
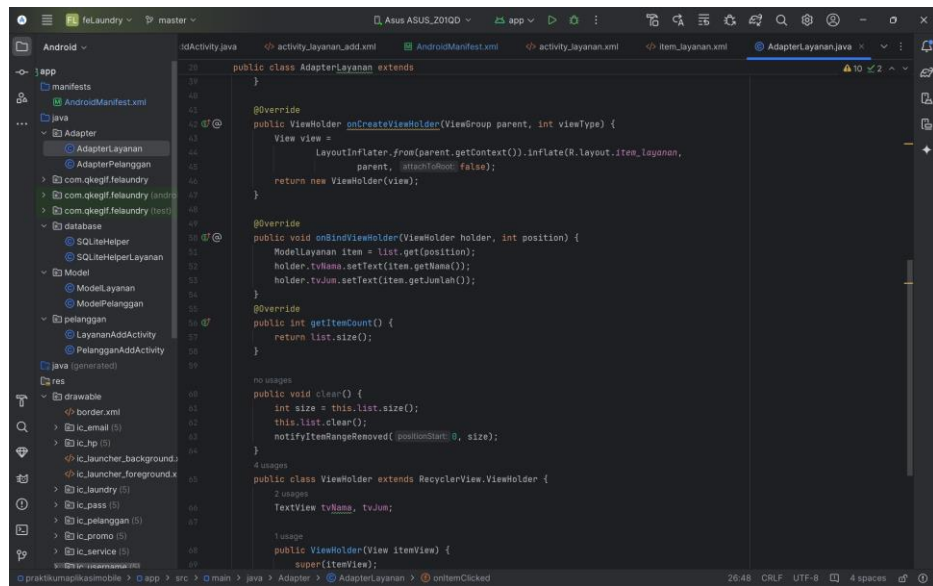
## 9. ItemLayanan.xml



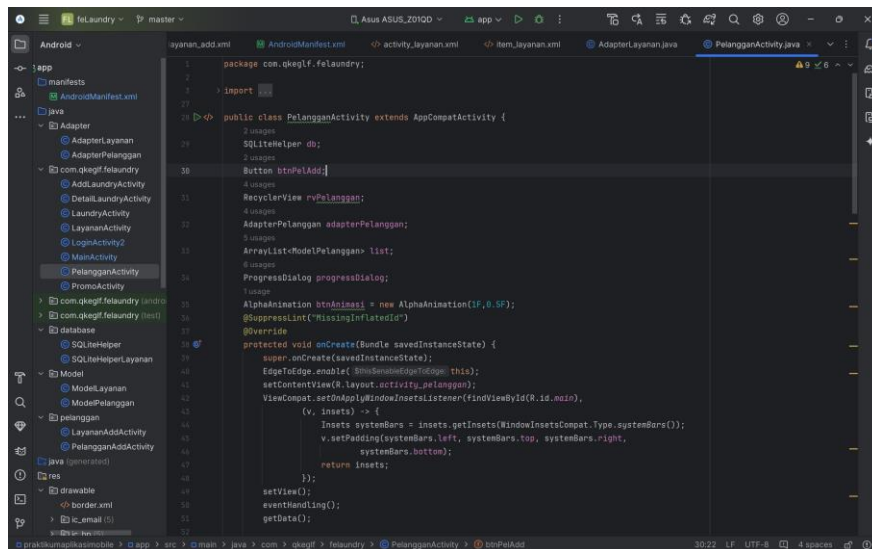
## 10. AdapterLayanan



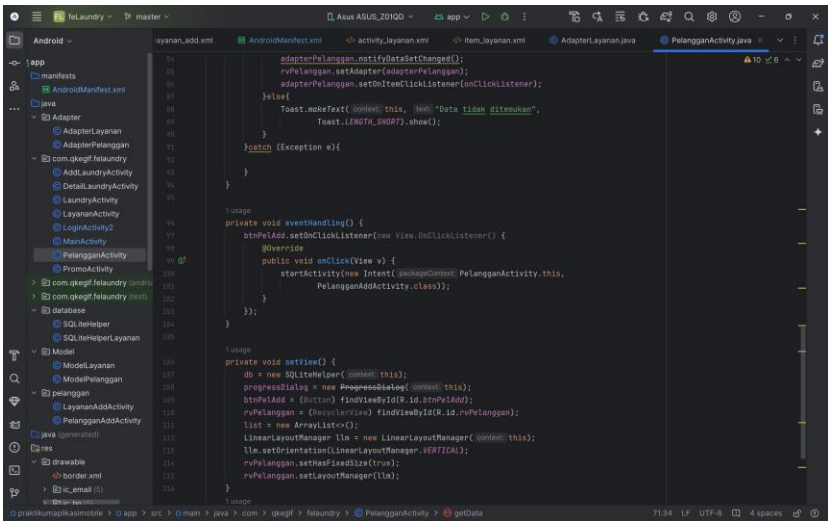




## 11. LayananActivity







```
16     }
17     1 usage
18     private void showMsg() {
19         progressDialog.setTitle("Informasi");
20         progressDialog.setMessage("Loading Data..");
21         progressDialog.setCancelable(false);
22         progressDialog.show();
23     }
24 }
```

12. Tampilan saat diRunning

