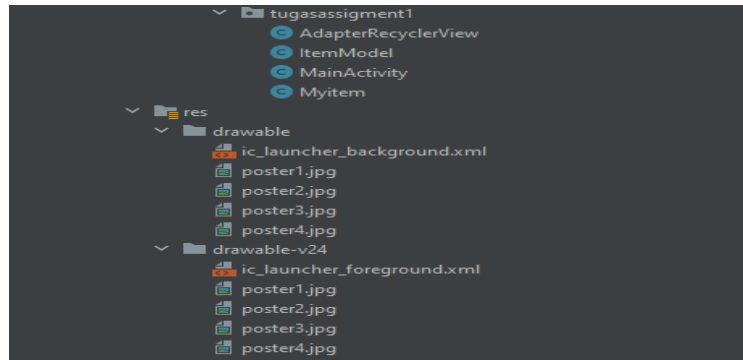


Nama : ahsin apri Aenul Yaqin

Nim 5180411265

Terdapat beberapa clas untuk pembuatan recycle view ini diantaranya Adapter. Java Model. Java Amain Activity.java myitem.java danfile xml



a. File Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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/purple_200"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/teks"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:text="Walpaper Anime!"
        android:textColor="@color/black"
        android:textStyle="bold"
        android:textSize="59sp"
        />

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/ricyle"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        tools:listitem="@layout/grid_item" />

</RelativeLayout>
```

b. File grid\_item.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"
    xmlns:app="http://schemas.android.com/apk/res-auto">

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_gravity="center"
        android:layout_margin="8dp"
        app:cardCornerRadius="5dp"
        app:cardElevation="3dp">

        <RelativeLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent">

            <ImageView
                android:id="@+id/poster1"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:adjustViewBounds="true"
                android:scaleType="fitCenter"
                android:src="@drawable/poster1" />

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_below="@+id/poster1"
                android:orientation="vertical"
                android:padding="8dp">
                <TextView
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:id="@+id/judul"
                    android:textAppearance="@style/TextAppearance.AppCompat"
                    android:text="Walpaper Nezuko"

                    android:text="Walpaper Nezuko"
                />
            </LinearLayout>
        </RelativeLayout>
    </androidx.cardview.widget.CardView>
</LinearLayout>
```

c. Adapter.java

```
package com.example.tugasassignment1;

import ...

public class AdapterRecyclerView extends RecyclerView.Adapter<AdapterRecyclerView.ViewHolder> {

    ArrayList<ItemModel> dataItem;

    public class ViewHolder extends RecyclerView.ViewHolder {

        TextView textwalpaper;
        ImageView poster;

        public ViewHolder(@NonNull View itemView) {
            super(itemView);

            textwalpaper = itemView.findViewById(R.id.judul);
            poster = itemView.findViewById(R.id.poster1);
        }
    }

    AdapterRecyclerView(ArrayList<ItemModel> data){

        this.dataItem = data;
    }

    @NonNull
    @Override
    public AdapterRecyclerView.ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {

        View view = LayoutInflater.from(parent.getContext()).inflate(R.layout.grid_item, parent, attachToRoot: false);
        return new ViewHolder(view);
    }

    @Override
    public void onBindViewHolder(@NonNull AdapterRecyclerView.ViewHolder holder, int position) {
        TextView judul = holder.textwalpaper;
        ImageView poster1 = holder.poster;
        judul.setText(dataItem.get(position).getWalpaper());
        poster1.setImageResource(dataItem.get(position).getPoster());
    }

    @Override
    public int getItemCount() { return dataItem.size(); }
}
```

d. Myitem.java

```
package com.example.tugasassignment1;

public class Myitem {

    static int[] poster = {
        R.drawable.poster1, R.drawable.poster2, R.drawable.poster3, R.drawable.poster4
    };

    static String[] Walpaper = {
        "Nezuko", "Rengoku", "Deku", "Naruto"
    };
};
```

e. itemModel.java

```
package com.example.tugasassignment1;

public class ItemModel {

    String wallpaper;
    int poster;

    public ItemModel(String wallpaper, int poster) {
        this.wallpaper = wallpaper;
        this.poster = poster;
    }

    public String getWallpaper() {
        return wallpaper;
    }

    public int getPoster() { return poster; }
}
```

Mainactivity.java

```
package com.example.tugasassignment1;

import ...

public class MainActivity extends AppCompatActivity {

    RecyclerView recyclerView;
    AdapterRecyclerView adapterRecyclerView;
    RecyclerView.LayoutManager layoutManager;
    ArrayList<ItemModel> data;

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

        recyclerView=findViewById(R.id.ricyle);
        recyclerView.setHasFixedSize(true);

        layoutManager = new GridLayoutManager(context, this, spanCount: 2);
        recyclerView.setLayoutManager(layoutManager);

        data = new ArrayList<>();
        for (int i = 0; i < Myitem.Walpaper.length; i++){
            data.add(new ItemModel(
                Myitem.Walpaper[i],
                Myitem.poster[i]
            ));
        }
        adapterRecyclerView =new AdapterRecyclerView(data);
        recyclerView.setAdapter(adapterRecyclerView);
    }
}
```