Res_3102

MainActivity

```
package com.example.responsi_3102

import android.os.Bundle
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        supportFragmentManager.beginTransaction()
            .replace(R.id.frameLayout, ListFragment())
            .commit()
    }
}
```

AddFragment

```
package com.example.responsi_3102

import android.os.Bundle
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.Button
import android.widget.EditText
import androidx.fragment.app.Fragment

class AddFragment : Fragment() {

    override fun onCreateView(
        inflater: LayoutInflater, container: ViewGroup?,
        savedInstanceState: Bundle?
    ): View? {
        val view = inflater.inflate(R.layout.fragment_add, container, false)

        // ambil id dari xml
        val etTitle = view.findViewById<EditText>(R.id.etTitle)
        val etDesc = view.findViewById<EditText>(R.id.etDesc)
```

```kotlin
        val etPriority = view.findViewById<EditText>(R.id.etPriority)
        val btnSave = view.findViewById<Button>(R.id.btnSave)

        // cek apakah sedang edit (bukan tambah baru)
        val position = arguments?.getInt("position", -1) ?: -1

        // jika edit → tampilkan data yang lama
        if (position != -1) {
            etTitle.setText(arguments?.getString("title"))
            etDesc.setText(arguments?.getString("desc"))
            etPriority.setText(arguments?.getString("priority"))
        }

        btnSave.setOnClickListener {
            val title = etTitle.text.toString()
            val desc = etDesc.text.toString()
            val priority = etPriority.text.toString()

            if (position == -1) {
                NoteData.notes.add(Note(title, desc, priority))
            } else {
                NoteData.notes[position] = Note(title, desc, priority)
            }

            parentFragmentManager.setFragmentResult(
                "refresh_list",
                Bundle()
            )

            parentFragmentManager.popBackStack()
        }

        return view
    }
}
```

DetailFragment

```kotlin
package com.example.responsi_3102

import android.os.Bundle
import android.view.LayoutInflater
import android.view.View
```

```kotlin
import android.view.ViewGroup
import android.widget.Button
import android.widget.TextView
import androidx.fragment.app.Fragment

class DetailFragment : Fragment() {

    private var title: String? = null
    private var desc: String? = null
    private var priority: String? = null
    private var position: Int = -1

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        arguments?.let {
            title = it.getString("title")
            desc = it.getString("desc")
            priority = it.getString("priority")
            position = it.getInt("position")
        }
    }

    override fun onCreateView(
        inflater: LayoutInflater, container: ViewGroup?,
        savedInstanceState: Bundle?
    ): View? {
        val view = inflater.inflate(R.layout.fragment_detail, container, false)

        val tvTitle = view.findViewById<TextView>(R.id.tvDetailTitle)
        val tvDesc = view.findViewById<TextView>(R.id.tvDetailDesc)
        val tvPriority = view.findViewById<TextView>(R.id.tvDetailPriority)
        val btnEdit = view.findViewById<Button>(R.id.btnEdit)
        val btnDelete = view.findViewById<Button>(R.id.btnDelete)

        tvTitle.text = title
        tvDesc.text = desc
        tvPriority.text = priority

        // Tombol Edit → buka AddFragment dengan data terisi
        btnEdit.setOnClickListener {
            val editFragment = AddFragment()
```

```kotlin
        editFragment.arguments = Bundle().apply {
            putString("title", title)
            putString("desc", desc)
            putString("priority", priority)
            putInt("position", position)
        }
        parentFragmentManager.beginTransaction()
            .replace(R.id.frameLayout, editFragment)
            .addToBackStack(null)
            .commit()
    }


    // Tombol Hapus → hapus catatan dan kembali ke list
    btnDelete.setOnClickListener {
        if (position != -1) {
            NoteData.notes.removeAt(position)
            parentFragmentManager.popBackStack()
        }
    }


    return view
    }
}
```

ListFragment

```kotlin
package com.example.responsi_3102

import android.os.Bundle
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import androidx.fragment.app.Fragment
import androidx.recyclerview.widget.LinearLayoutManager
import androidx.recyclerview.widget.RecyclerView
import com.google.android.material.floatingactionbutton.FloatingActionButton

class ListFragment : Fragment() {

    private lateinit var recyclerView: RecyclerView
    private lateinit var noteAdapter: NoteAdapter

    override fun onCreateView(
```

```kotlin
        inflater: LayoutInflater, container: ViewGroup?,
        savedInstanceState: Bundle?
    ): View? {
        val view = inflater.inflate(R.layout.fragment_list, container, false)

        recyclerView = view.findViewById(R.id.rvNotes)
        recyclerView.layoutManager = LinearLayoutManager(requireContext())

        noteAdapter = NoteAdapter(NoteData.notes)
        recyclerView.adapter = noteAdapter

        val btnAdd = view.findViewById<FloatingActionButton>(R.id.btnAddNote)
        btnAdd.setOnClickListener {
            parentFragmentManager.beginTransaction()
                .replace(R.id.frameLayout, AddFragment())
                .addToBackStack(null)
                .commit()
        }

        return view
    }
}
```

Note

```kotlin
package com.example.responsi_3102

data class Note(
    val title: String,
    val desc: String,
    val priority: String
)
```

NoteAdapter

```kotlin
package com.example.responsi_3102

import android.os.Bundle
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import android.widget.TextView
import androidx.appcompat.app.AppCompatActivity
import androidx.recyclerview.widget.RecyclerView
```

```kotlin
class NoteAdapter(private val notes: ArrayList<Note>) :
    RecyclerView.Adapter<NoteAdapter.NoteViewHolder>() {

    class NoteViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView) {
        val title = itemView.findViewById<TextView>(R.id.tvTitle)
        val priority = itemView.findViewById<TextView>(R.id.tvPriority)
    }

    override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): NoteViewHolder {
        val view = LayoutInflater.from(parent.context)
            .inflate(R.layout.item_note, parent, false)
        return NoteViewHolder(view)
    }

    override fun onBindViewHolder(holder: NoteViewHolder, position: Int) {
        val note = notes[position]

        holder.title.text = note.title
        holder.priority.text = note.priority

        // Klik item → buka DetailFragment
        holder.itemView.setOnClickListener {
            val detail = DetailFragment()
            detail.arguments = Bundle().apply {
                putString("title", note.title)
                putString("desc", note.desc)
                putString("priority", note.priority)
                putInt("position", position)
            }

            val activity = it.context as AppCompatActivity
            activity.supportFragmentManager.beginTransaction()
                .replace(R.id.frameLayout, detail)
                .addToBackStack(null)
                .commit()
        }
    }

    override fun getItemCount() = notes.size
}
```

NoteData

package com.example.responsi_3102

object NoteData {
    val notes = ArrayList<Note>()
}

LAYOUT .XML

Activity_main.xml

```
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/frameLayout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"/>
```

Fragment_add.xml

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:padding="16dp"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <EditText
        android:id="@+id/etTitle"
        android:hint="Judul"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <EditText
        android:id="@+id/etDesc"
        android:hint="Isi Catatan"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <EditText
        android:id="@+id/etPriority"
        android:hint="Prioritas"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <Button
        android:id="@+id/btnSave"
```

```xml
        android:text="Simpan"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

</LinearLayout>
```

Fragment_detail.xml

```xml
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:padding="16dp"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:id="@+id/tvDetailTitle"
        android:textSize="22sp"
        android:textStyle="bold"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <TextView
        android:id="@+id/tvDetailPriority"
        android:textSize="16sp"
        android:textColor="#FF0000"
        android:layout_marginTop="8dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <TextView
        android:id="@+id/tvDetailDesc"
        android:textSize="16sp"
        android:layout_marginTop="12dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

    <ActionMenuView
        android:layout_width="316dp"
        android:layout_height="171dp"
        android:layout_gravity="center"
        android:layout_marginTop="500dp">

        <Button
```

```xml
            android:id="@+id/btnEdit"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:text="Edit" />

        <Button
            android:id="@+id/btnDelete"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:text="Hapus" />
    </ActionMenuView>
</LinearLayout>
```

Fragment_list.xml

```xml
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

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

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/btnAddNote"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_alignParentEnd="true"
        android:layout_margin="16dp"
        android:contentDescription="Add Note"
        app:srcCompat="@android:drawable/ic_input_add" />

</RelativeLayout>
```

Item_nota.xml

```xml
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:padding="12dp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <TextView
        android:id="@+id/tvTitle"
        android:textStyle="bold"
        android:textSize="18sp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

    <TextView
        android:id="@+id/tvPriority"
        android:textColor="@android:color/holo_red_dark"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>

</LinearLayout>
```