

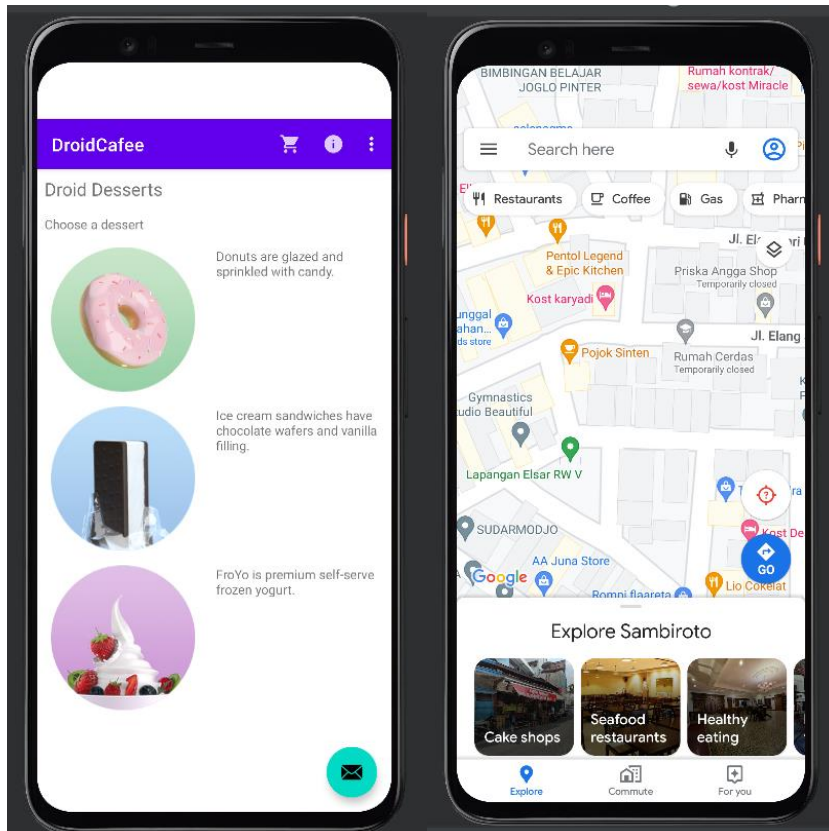
**Mata Kuliah : Pemrograman Mobile – TI – S1**

**Pertemuan : Minggu 4**

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## 1. App DroidCafe2



- FirstFragment.java

```
package com.example.droidcafe;

import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;

import androidx.annotation.NonNull;
import androidx.fragment.app.Fragment;
import androidx.navigation.fragment.NavHostFragment;

import com.example.droidcafe.databinding.FragmentFirstBinding;
```

```

public class FirstFragment extends Fragment {

    private FragmentFirstBinding binding;

    @Override
    public View onCreateView(
        LayoutInflater inflater, ViewGroup container,
        Bundle savedInstanceState
    ) {

        binding = FragmentFirstBinding.inflate(inflater, container, false);
        return binding.getRoot();

    }

    public void onViewCreated(@NonNull View view, Bundle savedInstanceState)
    {
        super.onViewCreated(view, savedInstanceState);

        binding.buttonFirst.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                NavHostFragment.findNavController(FirstFragment.this)
                    .navigate(R.id.action_FirstFragment_to_SecondFragment);
            }
        });
    }

    @Override
    public void onDestroyView() {
        super.onDestroyView();
        binding = null;
    }

}

```

- MainActivity.java

```

package com.example.droidcafe;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;

import com.google.android.material.snackbar.Snackbar;

import androidx.appcompat.app.AppCompatActivity;

import android.view.View;

import androidx.appcompat.widget.Toolbar;
import androidx.navigation.NavController;
import androidx.navigation.Navigation;
import androidx.navigation.ui.AppBarConfiguration;
import androidx.navigation.ui.NavigationUI;

```

```

import com.example.droidcafe.databinding.ActivityMainBinding;

import android.view.Menu;
import android.view.MenuItem;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    private AppBarConfiguration appBarConfiguration;
    private ActivityMainBinding binding;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
    }
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.menu_main, menu);
        return true;
    }
    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        switch (item.getItemId()) {
            case R.id.action_order:
                displayToast(getString(R.string.action_order_message));
                return true;
            case R.id.action_status:
                displayToast(getString(R.string.action_status_message));
                return true;
            case R.id.action_favorites:
                displayToast(getString(R.string.action_favorites_message));
                return true;
            case R.id.action_contact:
                displayToast(getString(R.string.action_contact_message));
                return true;
            default:
                // Do nothing
        }
        return super.onOptionsItemSelected(item);
    }

    public void displayToast(String message) {
        Toast.makeText(getApplicationContext(), message,
        Toast.LENGTH_SHORT).show();
    }

    public void showDonutOrder(View view) {
        showFoodOrder(getString(R.string.donut_order_message));
    }
    public void showIceCreamOrder(View view) {
        showFoodOrder(getString(R.string.ice_cream_message));
    }
    public void showFroyoOrder(View view) {
        showFoodOrder(getString(R.string.froyo_order_message));
    }

```

```

    }
    public void showFoodOrder(String message){
        displayToast(message);
        Intent intent = new Intent(this, OrderActivity.class);
        startActivity(intent);
    }
    public void gmaps(View view) {
        Uri gmmIntentUri = Uri.parse("https://www.google.co.id/maps/@-7.0343867,110.4623388,19z");
        Intent mapIntent = new Intent(Intent.ACTION_VIEW, gmmIntentUri);
        mapIntent.setPackage("com.google.android.apps.maps");
        startActivity(mapIntent);
    }
}

```

- OrderActivity.java

[illegible]

```

        break;
    default:
        Log.d(TAG_ACTIVITY, getString(R.string.nothing_clicked));
        break;
    }
}
public void displayToast(String message){
    Toast.makeText(getApplicationContext(), message,
    Toast.LENGTH_SHORT).show();
}
}

```

- SecondFragment.java

```

package com.example.droidcafe;

import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;

import androidx.annotation.NonNull;
import androidx.fragment.app.Fragment;
import androidx.navigation.fragment.NavHostFragment;

import com.example.droidcafe.databinding.FragmentSecondBinding;

public class SecondFragment extends Fragment {

    private FragmentSecondBinding binding;

    @Override
    public View onCreateView(
        LayoutInflater inflater, ViewGroup container,
        Bundle savedInstanceState
    ) {

        binding = FragmentSecondBinding.inflate(inflater, container, false);
        return binding.getRoot();

    }

    public void onViewCreated(@NonNull View view, Bundle savedInstanceState)
    {
        super.onViewCreated(view, savedInstanceState);

        binding.buttonSecond.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                NavHostFragment.findNavController(SecondFragment.this)
                    .navigate(R.id.action_SecondFragment_to_FirstFragment);
            }
        });
    }
}

```

```

@Override
public void onDestroyView() {
    super.onDestroyView();
    binding = null;
}
}

```

- Activity\_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
    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=".MainActivity">

    <com.google.android.material.appbar.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/Theme.DroidCafe.AppBarOverlay">

        <androidx.appcompat.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:background="?attr/colorPrimary"
            app:popupTheme="@style/Theme.DroidCafe.PopupOverlay" />

    </com.google.android.material.appbar.AppBarLayout>

    <include layout="@layout/content_main" />

    <com.google.android.material.floatingactionbutton.FloatingActionButton
        android:id="@+id/fab"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="bottom|end"
        android:layout_marginEnd="@dimen/fab_margin"
        android:layout_marginBottom="16dp"
        android:onClick="gmaps"
        app:srcCompat="@android:drawable/ic_dialog_email" />

</androidx.coordinatorlayout.widget.CoordinatorLayout>

```

- Activity\_order.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"
        tools:context=".OrderActivity">
        <TextView
            android:id="@+id/order_intro_text"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="@dimen/text_margin_top"
            android:layout_marginBottom="@dimen/text_margin_bottom"
            android:textSize="@dimen/intro_text_size"

            android:text="@string/choose_delivery_method"
        />
        <RadioGroup
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical"
            android:layout_below="@id/order_intro_text">
            <RadioButton
                android:id="@+id/sameday"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="@string/same_day_messenger_service"
                android:onClick="onRadioButtonClicked"
            />
            <RadioButton
                android:id="@+id/nextday"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="@string/next_day_ground_delivery"
                android:onClick="onRadioButtonClicked"
            />
            <RadioButton
                android:id="@+id/pickup"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="@string/pick_up"
                android:onClick="onRadioButtonClicked"
            />
        </RadioGroup>
    </RelativeLayout>

```

- Content\_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"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    app:layout_behavior="@string/appbar_scrolling_view_behavior">

    <TextView
        android:id="@+id/textintro"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="@dimen/padding_reguler"
        android:text="@string/intro_text"
    >

```

```

        android:textSize="@dimen/text_heading" />
<TextView
    android:id="@+id/choose_desert"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/textintro"
    android:padding="@dimen/padding_reguler"
    android:text="@string/choose_a_dessert" />
<ImageView
    android:id="@+id/donut"
    android:layout_width="190dp"
    android:layout_height="176dp"
    android:layout_below="@id/choose_desert"
    android:contentDescription="@string/donuts"
    android:onClick="showDonutOrder"
    android:padding="@dimen/padding_reguler"
    android:src="@drawable/donut_circle" />
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/choose_desert"
    android:layout_toRightOf="@id/donut"
    android:padding="@dimen/padding_wide"
    android:text="@string/donuts" />
<ImageView
    android:id="@+id/ice_cream"
    android:layout_width="190dp"
    android:layout_height="176dp"
    android:layout_below="@id/donut"
    android:contentDescription="@string/ice_cream_sandwiches"
    android:onClick="showIceCreamOrder"
    android:padding="@dimen/padding_reguler"
    android:src="@drawable/icecream_circle" />

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/donut"
    android:layout_toRightOf="@id/ice_cream"
    android:padding="@dimen/padding_wide"
    android:text="@string/ice_cream_sandwiches" />
<ImageView
    android:id="@+id/froyo"
    android:layout_width="190dp"
    android:layout_height="176dp"
    android:layout_below="@id/ice_cream"
    android:contentDescription="@string/froyo"
    android:onClick="showFroyoOrder"
    android:padding="@dimen/padding_reguler"
    android:src="@drawable/froyo_circle" />
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/ice_cream"
    android:layout_toRightOf="@id/froyo"
    android:padding="@dimen/padding_wide"

```



```
        android:text="@string/froyo" />
</RelativeLayout>
```

- Fragment\_first.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"
    tools:context=".FirstFragment">

    <TextView
        android:id="@+id/textview_first"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/hello_first_fragment"
        app:layout_constraintBottom_toTopOf="@id/button_first"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/button_first"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/next"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/textview_first" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

- Fragment\_second.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"
    tools:context=".SecondFrangmemet">

    <TextView
        android:id="@+id/textview_second"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintBottom_toTopOf="@id/button_second"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

```

<Button
    android:id="@+id/button_second"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/previous"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/textview_second" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

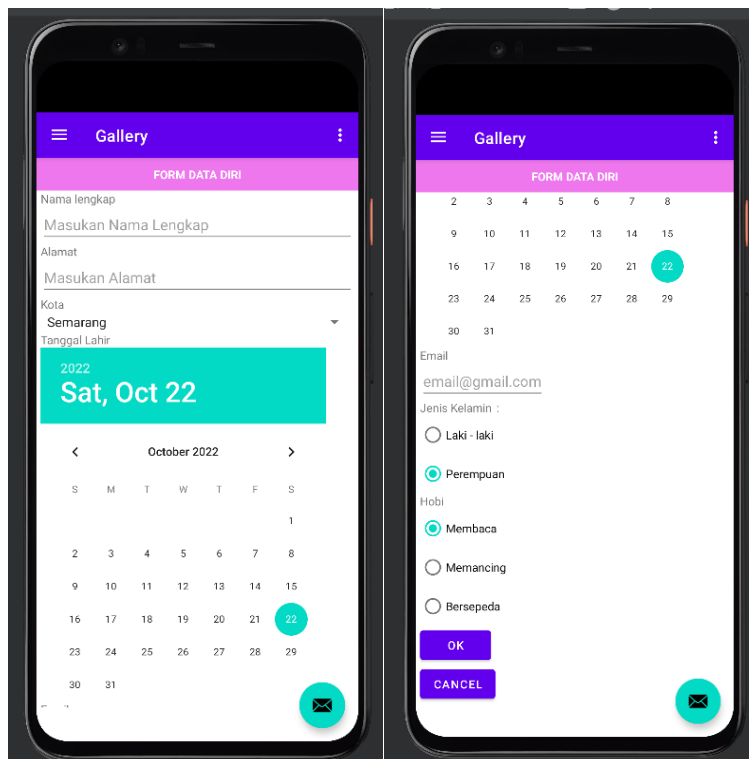
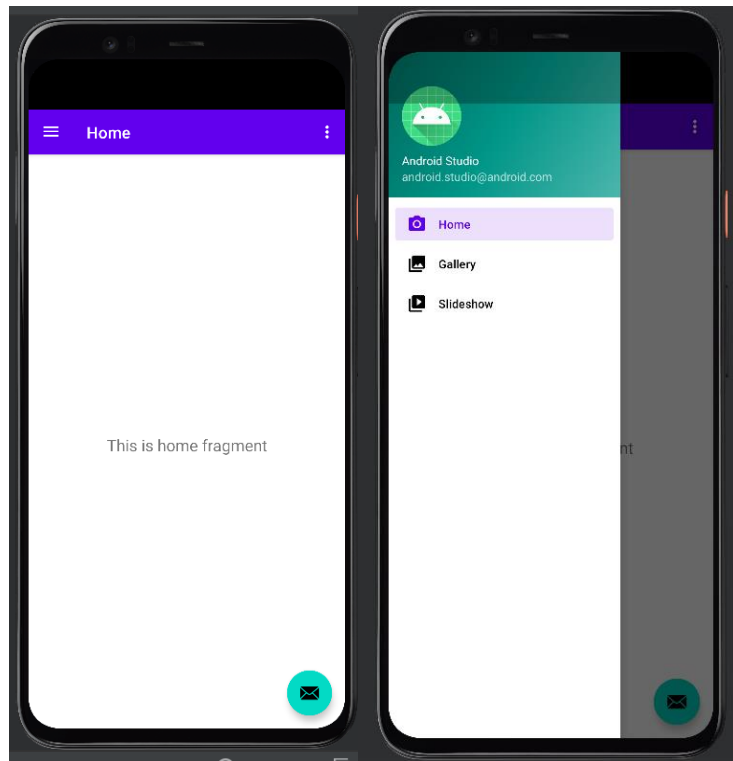
- Menu\_main.xml

```

<menu 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"
    tools:context="com.ryn.droidcafe.MainActivity">
    <item
        android:id="@+id/action_contact"
        android:orderInCategory="100"
        android:title="@string/action_contact"
        app:showAsAction="never" />
    <item
        android:id="@+id/action_order"
        android:orderInCategory="10"
        android:title="@string/action_order"
        android:icon="@drawable/ic_order_white"
        app:showAsAction="always" />
    <item
        android:id="@+id/action_status"
        android:orderInCategory="20"
        android:title="@string/action_status"
        android:icon="@drawable/ic_status_white"
        app:showAsAction="always" />
    <item
        android:id="@+id/action_favorites"
        android:orderInCategory="40"
        android:title="@string/action_favorites"
        android:icon="@drawable/ic_favorites_white"
        app:showAsAction="ifRoom" />
</menu>

```

## 2. App Latihan Menu



- AndroidManifest.xml

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

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.appmenu"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true"
            android:label="@string/app_name"
            android:theme="@style/Theme.appmenu.NoActionBar">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

- GalleryFragment.java

```
package com.example.appmenu.ui.gallery;

import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.fragment.app.Fragment;
import androidx.lifecycle.ViewModelProvider;

import com.ryn.appmenu.databinding.FragmentGalleryBinding;

public class GalleryFragment extends Fragment {
    private FragmentGalleryBinding binding;
    public View onCreateView(@NonNull LayoutInflater inflater,
                           ViewGroup container, Bundle
                               savedInstanceState) {
        GalleryViewModel galleryViewModel =
            new ViewModelProvider(this).get(GalleryViewModel.class);
        binding = FragmentGalleryBinding.inflate(inflater, container,
```

```

        false);
        View root = binding.getRoot();
        return root;
    }
    @Override
    public void onDestroyView() {
        super.onDestroyView();
        binding = null;
    }
}

```

- GalleryViewModel.java

```

package com.example.appmenu.ui.gallery;

import androidx.lifecycle.LiveData;
import androidx.lifecycle.MutableLiveData;
import androidx.lifecycle.ViewModel;

public class GalleryViewModel extends ViewModel {

    private final MutableLiveData<String> mText;

    public GalleryViewModel() {
        mText = new MutableLiveData<>();
        mText.setValue("This is gallery fragment");
    }

    public LiveData<String> getText() {
        return mText;
    }
}

```

- HomeFragment.java

```

package com.example.appmenu.ui.home;

import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.fragment.app.Fragment;
import androidx.lifecycle.ViewModelProvider;

import com.ryn.appmenu.databinding.FragmentHomeBinding;

public class HomeFragment extends Fragment {

    private FragmentHomeBinding binding;

    public View onCreateView(@NonNull LayoutInflater inflater,
                             ViewGroup container, Bundle savedInstanceState)

```

```

{
    HomeViewModel homeViewModel =
        new ViewModelProvider(this).get(HomeViewModel.class);

    binding = FragmentHomeBinding.inflate(inflater, container, false);
    View root = binding.getRoot();

    final TextView textView = binding.textHome;
    homeViewModel.getText().observe(getViewLifecycleOwner(),
textView::setText);
    return root;
}

@Override
public void onDestroyView() {
    super.onDestroyView();
    binding = null;
}
}

```

- HomeViewModel.java

```

package com.example.appmenu.ui.home;

import androidx.lifecycle.LiveData;
import androidx.lifecycle.MutableLiveData;
import androidx.lifecycle.ViewModel;

public class HomeViewModel extends ViewModel {

    private final MutableLiveData<String> mText;

    public HomeViewModel() {
        mText = new MutableLiveData<>();
        mText.setValue("This is home fragment");
    }

    public LiveData<String> getText() {
        return mText;
    }
}

```

- SlidehowFragment.java

```

package com.ryn.appmenu.ui.slideshow;

import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.fragment.app.Fragment;
import androidx.lifecycle.ViewModelProvider;

```

```

import com.ryn.appmenu.databinding.FragmentSlideshowBinding;

public class SlideshowFragment extends Fragment {

    private FragmentSlideshowBinding binding;

    public View onCreateView(@NonNull LayoutInflater inflater,
                             ViewGroup container, Bundle savedInstanceState)
    {
        SlideshowViewModel slideshowViewModel =
            new ViewModelProvider(this).get(SlideshowViewModel.class);

        binding = FragmentSlideshowBinding.inflate(inflater, container,
false);
        View root = binding.getRoot();

        final TextView textView = binding.textSlideshow;
        slideshowViewModel.getText().observe(getViewLifecycleOwner(),
textView::setText);
        return root;
    }

    @Override
    public void onDestroyView() {
        super.onDestroyView();
        binding = null;
    }
}

```

- SlideshowViewModel.java

```

package com.ryn.appmenu.ui.slideshow;

import androidx.lifecycle.LiveData;
import androidx.lifecycle.MutableLiveData;
import androidx.lifecycle.ViewModel;

public class SlideshowViewModel extends ViewModel {

    private final MutableLiveData<String> mText;

    public SlideshowViewModel() {
        mText = new MutableLiveData<>();
        mText.setValue("This is slideshow fragment");
    }

    public LiveData<String> getText() {
        return mText;
    }
}

```

- Activity\_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.drawerlayout.widget.DrawerLayout
    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:id="@+id/drawer_layout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:openDrawer="start">
    <include
        android:id="@+id/app_bar_main"
        layout="@layout/app_bar_main"
        android:layout_width="match_parent"
        android:layout_height="match_parent" />
    <com.google.android.material.navigation.NavigationView
        android:id="@+id/nav_view"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:layout_gravity="start"
        android:fitsSystemWindows="true"
        app:headerLayout="@layout/nav_header_main"
        app:menu="@menu/activity_main_drawer" />
</androidx.drawerlayout.widget.DrawerLayout>

```

- App\_bar\_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
    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=".MainActivity">
    <com.google.android.material.appbar.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/Theme.SimpleNavigationDrawer.AppBarOverlay">
        <androidx.appcompat.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:background="?attr/colorPrimary"

app:popupTheme="@style/Theme.SimpleNavigationDrawer.AppBarOverlay." />
        </com.google.android.material.appbar.AppBarLayout>

        <include layout="@layout/content_main"/>

        <com.google.android.material.floatingactionbutton.FloatingActionButton
            android:id="@+id/fab"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="bottom|end"
            android:layout_marginEnd="@dimen/fab_margin"

```



```

        android:layout_marginBottom="16dp"
        app:srcCompat="@android:drawable/ic_dialog_email"
        tools:ignore="ContentDescription" />
</androidx.coordinatorlayout.widget.CoordinatorLayout>

```

- Content\_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"
    app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:showIn="@layout/app_bar_main">

    <fragment
        android:id="@+id/nav_host_fragment_content_main"
        android:name="androidx.navigation.fragment.NavHostFragment"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:defaultNavHost="true"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:navGraph="@navigation/mobile_navigation" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

- Fragment\_gallery.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <LinearLayout
        android:layout_width="match_parent"

        android:layout_height="match_parent"
        android:orientation="vertical">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:background="#e7e">
            <TextView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginBottom="10dp"
                android:layout_marginTop="10dp"
                android:text="FORM DATA DIRI"
                android:textAlignment="center"
                android:textColor="#fff"
                android:textStyle="bold" />
        </LinearLayout>
    </LinearLayout>

```

```

<ScrollView
    android:layout_width="match_parent"
    android:layout_height="630dp">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="5dp"
        android:layout_marginRight="5dp"
        android:orientation="vertical">
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Nama lengkap" />
        <EditText
            android:id="@+id/namalengkap"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Masukan Nama Lengkap" />
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Alamat" />
        <EditText
            android:id="@+id/alamat"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Masukan Alamat" />
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Kota" />
        <Spinner
            android:id="@+id/kota"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:entries="@array/pilihkota"></Spinner>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Tanggal Lahir" />
        <DatePicker
            android:id="@+id/tanggallahir"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="" />
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Email" />
        <EditText
            android:id="@+id/Email"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:hint="email@gmail.com"
            android:text="" />
        <TextView
            android:layout_width="match_parent"

```

```

        android:layout_height="wrap_content"
        android:text="Jenis Kelamin\t:" />
    <RadioGroup
        android:id="@+id/jk"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
        <RadioButton
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Laki - laki" />
        <RadioButton
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Perempuan" />
    </RadioGroup>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Hobi" />
    <RadioGroup
        android:id="@+id/hobi"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
        <RadioButton
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Membaca" />
        <RadioButton
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Memancing" />
        <RadioButton
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Bersepeda" />
    </RadioGroup>
    <Button
        android:id="@+id/simpan"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="OK" />
    <Button
        android:id="@+id/batal"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Cancel" />

    </LinearLayout>
</ScrollView>
</LinearLayout>
</LinearLayout>

```

- 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"
tools:context=".ui.home.HomeFragment">

<TextView
    android:id="@+id/text_home"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:textAlignment="center"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

- Fragment\_slideshow.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"
tools:context=".ui.slideshow.SlideshowFragment">

<TextView
    android:id="@+id/text_slideshow"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginStart="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:textAlignment="center"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

- Nav\_header\_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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="@dimen/nav_header_height"

```

```

        android:background="@drawable/side_nav_bar"
        android:gravity="bottom"
        android:orientation="vertical"
        android:paddingLeft="@dimen/activity_horizontal_margin"
        android:paddingTop="@dimen/activity_vertical_margin"
        android:paddingRight="@dimen/activity_horizontal_margin"
        android:paddingBottom="@dimen/activity_vertical_margin"
        android:theme="@style/ThemeOverlay.AppCompat.Dark">

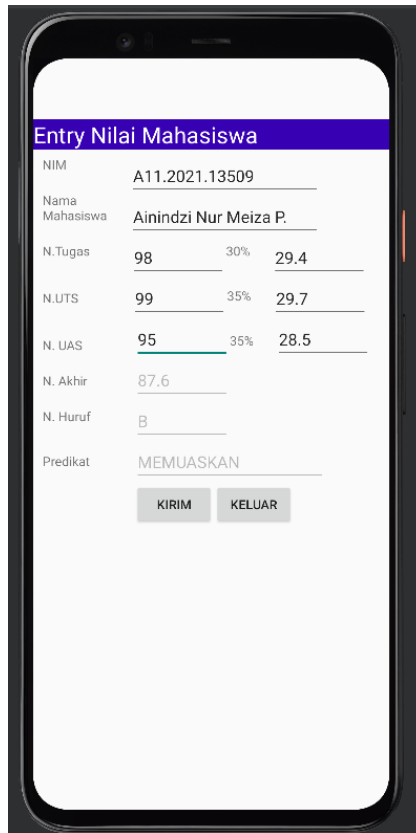
        <ImageView
            android:id="@+id/imageView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:contentDescription="@string/nav_header_desc"
            android:paddingTop="@dimen/nav_header_vertical_spacing"
            app:srcCompat="@mipmap/ic_launcher_round" />

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:paddingTop="@dimen/nav_header_vertical_spacing"
            android:text="@string/nav_header_title"
            android:textAppearance="@style/TextAppearance.AppCompat.Body1" />

        <TextView
            android:id="@+id/textView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="@string/nav_header_subtitle" />
    </LinearLayout>

```

### 3. Aplikasi menghitung Nilai Pemrograman Perangkat Bergerak



- MainActivity.java

```
package com.example.nilai;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;

public class MainActivity extends AppCompatActivity {

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

    public void tampilProgram(View view) {
        Intent intent = new Intent(MainActivity.this, MainActivity3.class);
        startActivity(intent);
    }

}
```

- MainActivity2.java

```

package com.example.nilai;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;

public class MainActivity2 extends AppCompatActivity {

    ListView listView;
    String bhsprogram[] = {"C+", "Java", "Visual Basic", "Delphi",
        "Phyton", "Ruby", "Pascal", "Clipper",
        "Matlab", "Perl", "RPG", "Cobol",
        "Kotlin", "PHP", "JavaScript"};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);

        listView = findViewById(R.id.wadahbahasa);

        ArrayAdapter arrayAdapter = new ArrayAdapter(MainActivity2.this,
            androidx.appcompat.R.layout.support_simple_spinner_dropdown_item,
            bhsprogram);
        listView.setAdapter(arrayAdapter);

        listView.setOnItemClickListener(new AdapterView.OnItemClickListener()
        {
            @Override
            public void onItemClick(AdapterView<?> adapterView, View view,
int i, long l) {
                Toast.makeText(MainActivity2.this, "Anda Memilih "
+bhsprogram[i], Toast.LENGTH_LONG).show();
            }
        });
    }
}

```

- MainActivity3.java

```

package com.example.nilai;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.text.Editable;
import android.text.TextWatcher;
import android.view.View;
import android.widget.EditText;

```

```

public class MainActivity3 extends AppCompatActivity {

    EditText ntugas,ptugas,nuts,puts,
        nuas,puas,nakhir,nhuruf,predik,namasis;
    Float pointugas,pointuts,pointuas,totalpoint;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main3);

        ntugas = findViewById(R.id.editTgs);
        ptugas = findViewById(R.id.editPTgs);
        nuts = findViewById(R.id.editUts);
        puts = findViewById(R.id.editPUTs);
        nuas = findViewById(R.id.editUas);
        puas = findViewById(R.id.editPUas);

        nakhir = findViewById(R.id.editAakhir);
        nhuruf = findViewById(R.id.editHuruf);
        predik = findViewById(R.id.editPredikat);

        ntugas.addTextChangedListener(new TextWatcher() {
            @Override
            public void beforeTextChanged(CharSequence charSequence, int i,
int i1, int i2) {

            }

            @Override
            public void onTextChanged(CharSequence charSequence, int i, int
i1, int i2) {

            }

            @Override
            public void afterTextChanged(Editable editable) {
                float nilaitugas;
                if (ntugas.getText().toString().isEmpty()) {
                    nilaitugas = 0;
                } else {
                    nilaitugas =
Float.parseFloat(ntugas.getText().toString());
                }
                pointugas = (float) (0.3 * nilaitugas);
                ptugas.setText(Float.toString(pointugas));

            }
        });

        nuts.addTextChangedListener(new TextWatcher() {
            @Override
            public void beforeTextChanged(CharSequence charSequence, int i,
int i1, int i2) {

            }
        });
    }
}

```



```

        @Override
        public void onTextChanged(CharSequence charSequence, int i, int
i1, int i2) {

        }

        @Override
        public void afterTextChanged(Editable editable) {
            float nilaiuts;
            if (nuts.getText().toString().isEmpty()) {
                nilaiuts = 0;
            } else {
                nilaiuts = Float.parseFloat(nuts.getText().toString());
            }
            pointuts = (float) (0.3 * nilaiuts);
            puts.setText(Float.toString(pointuts));

        }
    });

    nuas.addTextChangedListener(new TextWatcher() {
        @Override
        public void beforeTextChanged(CharSequence charSequence, int i,
int i1, int i2) {

        }

        @Override
        public void onTextChanged(CharSequence charSequence, int i, int
i1, int i2) {

        }

        @Override
        public void afterTextChanged(Editable editable) {
            float nilaiuas;
            if (nuts.getText().toString().isEmpty()) {
                nilaiuas = 0;
            } else {
                nilaiuas = Float.parseFloat(nuas.getText().toString());
            }
            pointuas = (float) (0.3 * nilaiuas);
            puas.setText(Float.toString(pointuas));
            totalpoint = (pointugas + pointuts + pointuas);
            nakhir.setText(Float.toString(totalpoint));

            if (totalpoint >= 90) {
                nhuruf.setText("A");
                predik.setText("ISTIMEWA");
            } else if (totalpoint >= 80) {
                nhuruf.setText("B");
                predik.setText("MEMUASKAN");
            } else if (totalpoint >= 70) {
                nhuruf.setText("C");
                predik.setText("CUKUP");
            } else if (totalpoint >= 60) {

```

```

        nhuruf.setText("D");
        predik.setText("BIASA");
    } else {
        nhuruf.setText("E");
        predik.setText("TURU");
    }
}

});

}

public void kirimkan (View view) {
    String namane = namasis.getText().toString();

}

}

```

- MainActivity4.java

```

package com.example.nilai;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.TextView;

public class MainActivity4 extends AppCompatActivity {

    TextView namakiriman;
    String namae = "nama";
    String namaterima;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main4);

        namakiriman = findViewById(R.id.namakirim);

        Bundle bundle = getIntent().getExtras();
        namaterima = bundle.getString("nama");
        namakiriman.setText(namaterima);

    }

}

```

- Activity\_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:padding="15dp"
android:orientation="vertical"
tools:context=".MainActivity">

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

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@drawable/frame01"
        android:textSize="30dp"/>

    <ImageView
        android:layout_width="30dp"
        android:layout_height="40dp"
        android:layout_alignParentRight="true"
        android:layout_marginRight="10dp"
        android:src="@drawable/icon_search" />
</RelativeLayout>

<ScrollView
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="match_parent"
    android:orientation="vertical">

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <LinearLayout
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:layout_margin="15dp"
        android:orientation="vertical"
        android:gravity="center"
        android:background="@drawable/frame02">
        <Button
            android:id="@+id/tombolhome"
            android:layout_width="120dp"
            android:layout_height="110dp"
            android:clickable="true"
            android:foreground="?android:attr/selectableItemBackground"
            android:background="@drawable/icon_home"
            android:onClick="tampilProgram"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Home"
            android:textAlignment="center"
```

```

        android:textColor="@color/white"
        android:textSize="24dp"/>
    </LinearLayout>

    <LinearLayout
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:layout_margin="15dp"
        android:orientation="vertical"
        android:gravity="center"
        android:background="@drawable/frame02">
        <Button
            android:layout_width="120dp"
            android:layout_height="110dp"
            android:clickable="true"
            android:foreground="?android:attr/selectableItemBackground"
            android:background="@drawable/icon_bike"/>

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Bike"
            android:textAlignment="center"
            android:textColor="@color/white"
            android:textSize="24dp"/>
    </LinearLayout>
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <LinearLayout
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:layout_margin="15dp"
        android:orientation="vertical"
        android:gravity="center"
        android:background="@drawable/frame02">
        <Button
            android:layout_width="120dp"
            android:layout_height="110dp"
            android:clickable="true"
            android:foreground="?android:attr/selectableItemBackground"
            android:background="@drawable/icon_plane"/>

        <TextView
            android:id="@+id/tombolplane"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Plane"
            android:textAlignment="center"
            android:textColor="@color/white"
            android:textSize="24dp"/>
    </LinearLayout>

    <LinearLayout
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:layout_margin="15dp"

```

```

        android:orientation="vertical"
        android:gravity="center"
        android:background="@drawable/frame02">
        <Button
            android:layout_width="120dp"
            android:layout_height="110dp"
            android:clickable="true"
            android:foreground="?android:attr/selectableItemBackground"
            android:background="@drawable/icon_wifi"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Wifi"
            android:textAlignment="center"
            android:textColor="@color/white"
            android:textSize="24dp"/>
    </LinearLayout>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <LinearLayout
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:layout_margin="15dp"
        android:orientation="vertical"
        android:gravity="center"
        android:background="@drawable/frame02">
        <Button
            android:layout_width="120dp"
            android:layout_height="110dp"
            android:clickable="true"
            android:foreground="?android:attr/selectableItemBackground"
            android:background="@drawable/icon_money"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Money"
            android:textAlignment="center"
            android:textColor="@color/white"
            android:textSize="24dp"/>
    </LinearLayout>

    <LinearLayout
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:layout_margin="15dp"
        android:orientation="vertical"
        android:gravity="center"
        android:background="@drawable/frame02">
        <Button
            android:layout_width="120dp"
            android:layout_height="110dp"
            android:clickable="true"
            android:foreground="?android:attr/selectableItemBackground"
            android:background="@drawable/icon_phone"/>

```

```
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Phone"
            android:textAlignment="center"
            android:textColor="@color/white"
            android:textSize="24dp"/>
    </LinearLayout>
</LinearLayout>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <LinearLayout
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:layout_margin="15dp"
        android:orientation="vertical"
        android:gravity="center"
        android:background="@drawable/frame02">
        <Button
            android:layout_width="120dp"
            android:layout_height="110dp"
            android:clickable="true"
            android:foreground="?android:attr/selectableItemBackground"
            android:background="@drawable/icon_bike"/>

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Bike"
            android:textAlignment="center"
            android:textColor="@color/white"
            android:textSize="24dp"/>
    </LinearLayout>

    <LinearLayout
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:layout_margin="15dp"
        android:orientation="vertical"
        android:gravity="center"
        android:background="@drawable/frame02">
        <Button
            android:layout_width="120dp"
            android:layout_height="110dp"
            android:clickable="true"
            android:foreground="?android:attr/selectableItemBackground"
            android:background="@drawable/icon_wifi"/>

        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Wifi"
            android:textAlignment="center"
            android:textColor="@color/white"
            android:textSize="24dp"/>
    </LinearLayout>
</LinearLayout>
```

```
</LinearLayout>
</ScrollView>
</LinearLayout>
```

- Activity\_main2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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=".MainActivity2"
    android:padding="15dp"
    android:orientation="vertical">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Bahasa Pemrograman"
        android:textSize="25sp"
        android:textAlignment="center"
        android:textColor="@color/white"
        android:textStyle="bold"
        android:background="#808080"
        android:padding="10dp"/>

    <ListView
        android:id="@+id/wadahbahasa"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_marginTop="10dp"/>

</LinearLayout>
```

- Activity\_main3.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"
    tools:context=".MainActivity3">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="5dp"
        android:background="@color/purple_700"
        android:text="Entry Nilai Mahasiswa"
        android:textColor="@color/white"
        android:textSize="25dp" />

    <TextView
        android:id="@+id/textNim"
```

```

        android:layout_width="96dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="45dp"
        android:text="NIM" />

<EditText
    android:id="@+id/editNim"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="45dp"
    android:layout_toRightOf="@id/textNim"
    android:ems="10"
    android:inputType="textPersonName" />

<TextView
    android:id="@+id/textNama"
    android:layout_width="96dp"
    android:layout_height="wrap_content"
    android:layout_below="@id/textNim"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="20dp"
    android:text="Nama Mahasiswa" />

<EditText
    android:id="@+id/editNama"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/editNim"
    android:layout_toRightOf="@id/textNama"
    android:ems="10"
    android:inputType="textPersonName" />

<TextView
    android:id="@+id/textTgs"
    android:layout_width="98dp"
    android:layout_height="32dp"
    android:layout_below="@id/textNama"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="20dp"
    android:text="N. Tugas" />

<EditText
    android:id="@+id/editTgs"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/editNama"
    android:layout_marginLeft="-1dp"
    android:layout_marginTop="0dp"
    android:layout_toRightOf="@id/textTgs"
    android:ems="5"
    android:inputType="numberDecimal" />

<TextView
    android:id="@+id/textPTgs"
    android:layout_width="50dp"
    android:layout_height="wrap_content"

```



```

        android:layout_below="@id/textNama"
        android:layout_marginTop="20dp"
        android:layout_toRightOf="@id/editTgs"
        android:text="30%" />

<EditText
    android:id="@+id/editPTgs"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/editNama"
    android:layout_toRightOf="@id/textPTgs"
    android:ems="5"
    android:inputType="numberDecimal" />

<TextView
    android:id="@+id/textUts"
    android:layout_width="98dp"
    android:layout_height="32dp"
    android:layout_below="@id/textTgs"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="20dp"
    android:text="N.UTS" />

<EditText
    android:id="@+id/editUts"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/editTgs"
    android:layout_toRightOf="@id/textUts"
    android:ems="5"
    android:inputType="numberDecimal" />

<TextView
    android:id="@+id/textPUts"
    android:layout_width="50dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="30dp"
    android:layout_below="@id/textPTgs"
    android:layout_toRightOf="@id/editUts"
    android:text="35%" />

<EditText
    android:id="@+id/editPUts"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/editPTgs"
    android:layout_toRightOf="@id/textPUts"
    android:ems="5"
    android:inputType="numberDecimal" />

<TextView
    android:id="@+id/textUas"
    android:layout_width="101dp"
    android:layout_height="wrap_content"
    android:layout_below="@id/textUts"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="10dp"
    android:text="N. UAS" />

```

```

<EditText
    android:id="@+id/editUas"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/editUts"
    android:layout_toRightOf="@id/textUas"
    android:ems="5"
    android:inputType="numberDecimal" />
<TextView
    android:id="@+id/textPUas"
    android:layout_width="50dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="30dp"
    android:layout_below="@id/textPUTs"
    android:layout_toRightOf="@id/editUas"
    android:text="35%" />

<EditText
    android:id="@+id/editPUas"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/editPUTs"
    android:layout_toRightOf="@id/textPUas"
    android:ems="5"
    android:inputType="numberDecimal" />
<TextView
    android:id="@+id/textAkhir"
    android:layout_width="101dp"
    android:layout_height="wrap_content"
    android:layout_below="@id/textUas"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="10dp"
    android:text="N. Akhir" />

<EditText
    android:id="@+id/editAkhir"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@id/editUas"
    android:layout_toRightOf="@id/textAkhir"
    android:ems="5"
    android:enabled="false"
    android:inputType="numberDecimal" />
<TextView
    android:id="@+id/textHuruf"
    android:layout_width="101dp"
    android:layout_height="wrap_content"
    android:layout_below="@id/textAkhir"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="10dp"
    android:text="N. Huruf" />

<EditText
    android:id="@+id/editHuruf"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"

```

```

        android:layout_below="@id/editAkhir"
        android:layout_toRightOf="@id/textHuruf"
        android:ems="5"
        android:enabled="false"
        android:inputType="textPersonName" />
    <TextView
        android:id="@+id/textPredikat"
        android:layout_width="101dp"
        android:layout_height="wrap_content"
        android:layout_below="@id/textHuruf"
        android:layout_marginTop="30dp"
        android:layout_marginLeft="10dp"
        android:text="Predikat" />

    <EditText
        android:id="@+id/editPredikat"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/editHuruf"
        android:layout_toRightOf="@id/textPredikat"
        android:ems="10"
        android:enabled="false"
        android:inputType="textPersonName" />

    <Button
        android:id="@+id/button kirim"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/editPredikat"
        android:layout_toRightOf="@id/textPredikat"
        android:onClick="kirimkan"
        android:text="kirim" />

    <Button
        android:id="@+id/buttonKeluar"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/editPredikat"
        android:layout_toRightOf="@id/button kirim"
        android:onClick="keluar"
        android:text="Keluar" />

</RelativeLayout>

```

- Activity\_main4.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"
    tools:context=".MainActivity4">

```

```
<TextView
    android:id="@+id/terkirim"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="data terkirim"
    android:textStyle="bold"
    android:textColor="@color/black"
    android:textSize="25sp"
    android:background="@color/gray"
    tools:layout_editor_absoluteX="0dp"
    tools:layout_editor_absoluteY="0dp"/>

<TextView
    android:id="@+id/namakirim"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="88dp"
    android:text="datahasil kiriman"
    android:textSize="30dp"
    app:layout_constraintTop_toBottomOf="@+id/terkirim"
    tools:layout_editor_absoluteX="0dp"
    />

</androidx.constraintlayout.widget.ConstraintLayout>
```