

# Membuat Aplikasi Android model Android Drawer Activity

Oleh:

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# Tujuan dan Kebutuhan Praktikum

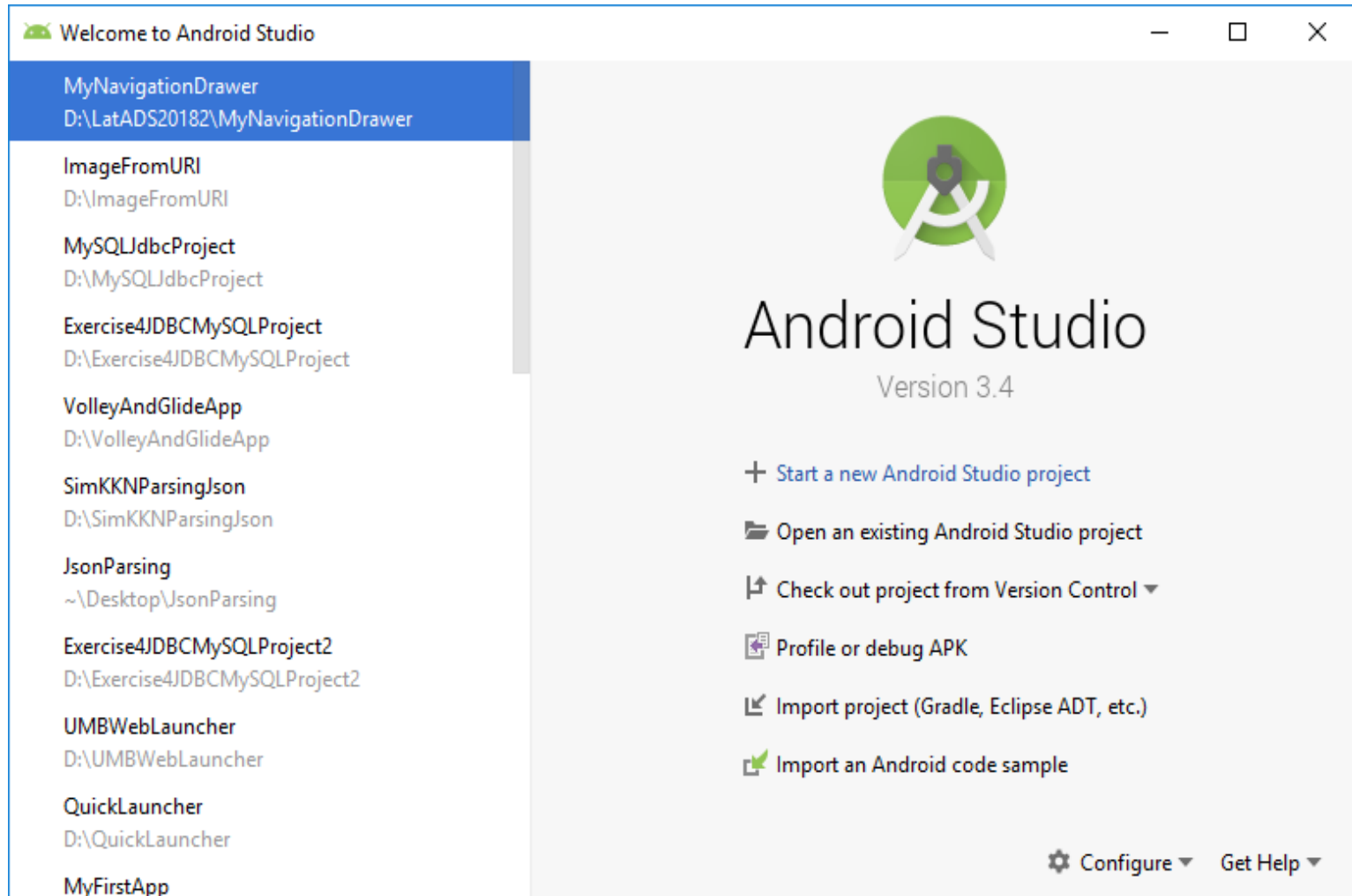
## Tujuan Praktikum :

- Membuat aplikasi yang menampilkan beberapa gambar dengan pilihan menu
- Mempelajari activity Navigation Drawer

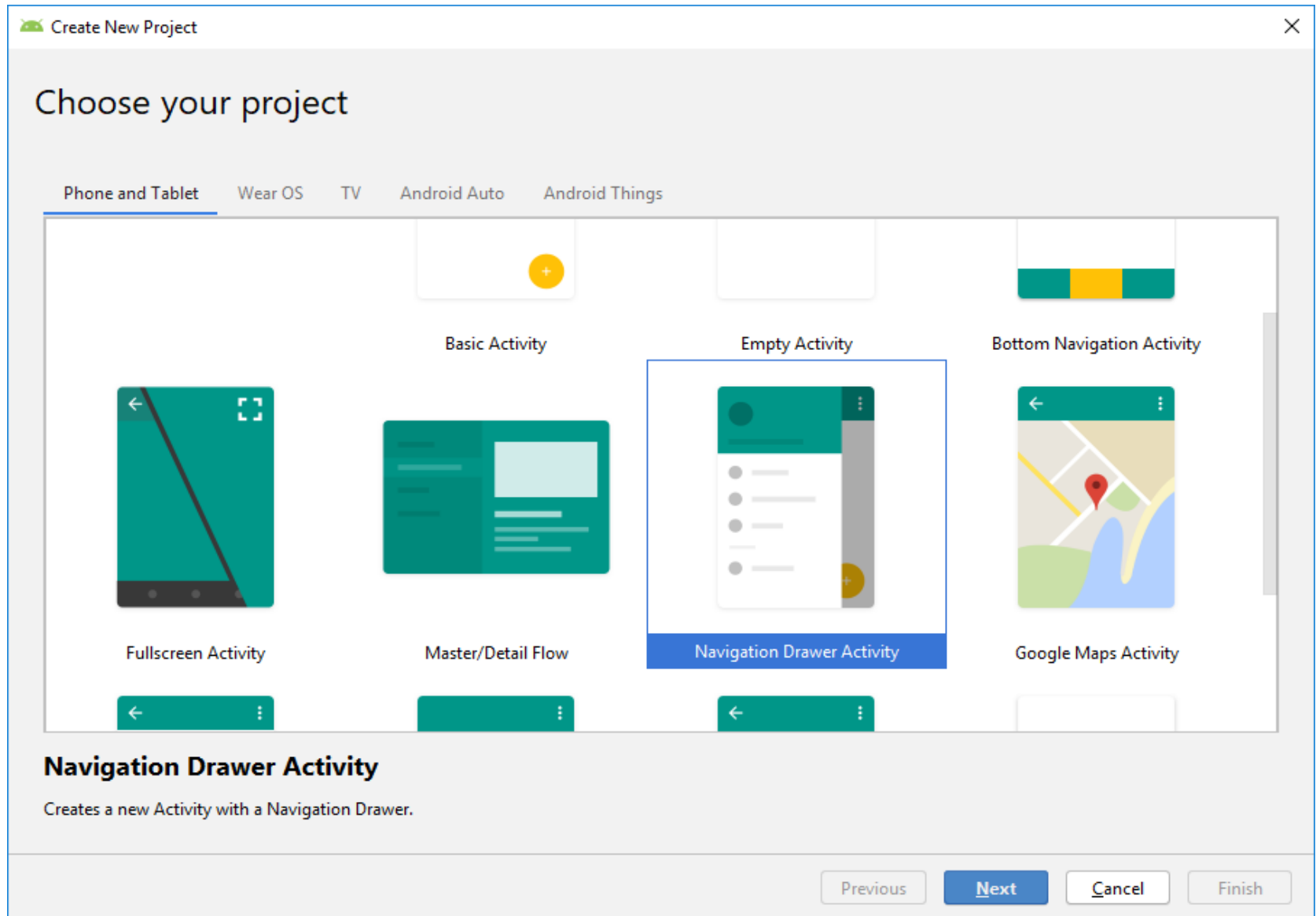
## Kebutuhan Praktikum :

- Beberapa file gambar jpg
- Aplikasi Android Studio 2018 yang terinstal dengan baik.
- Smartphone yang dapat diinstall melalui kabel data di port USB.

# 1. Buat project baru pada Android Studio dengan memilih Start New Android Project.



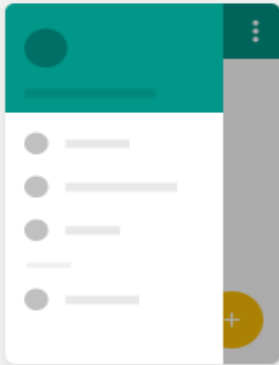
## 2. Selanjutnya pilih Navigation Drawer Activity dan klik button Next



### 3. Selanjutnya beri nama projectnya dengan nama AlbumFotoKu dan klik button Finnish

Create New Project

## Configure your project



Navigation Drawer Activity

Creates a new Activity with a Navigation Drawer.

Name  
AlbumFotoKu

Package name  
ac.id.umb.albumfotoku

Save location  
D:\AlbumFotoKu

Language  
Java

Minimum API level  
API 15: Android 4.0.3 (IceCreamSandwich)

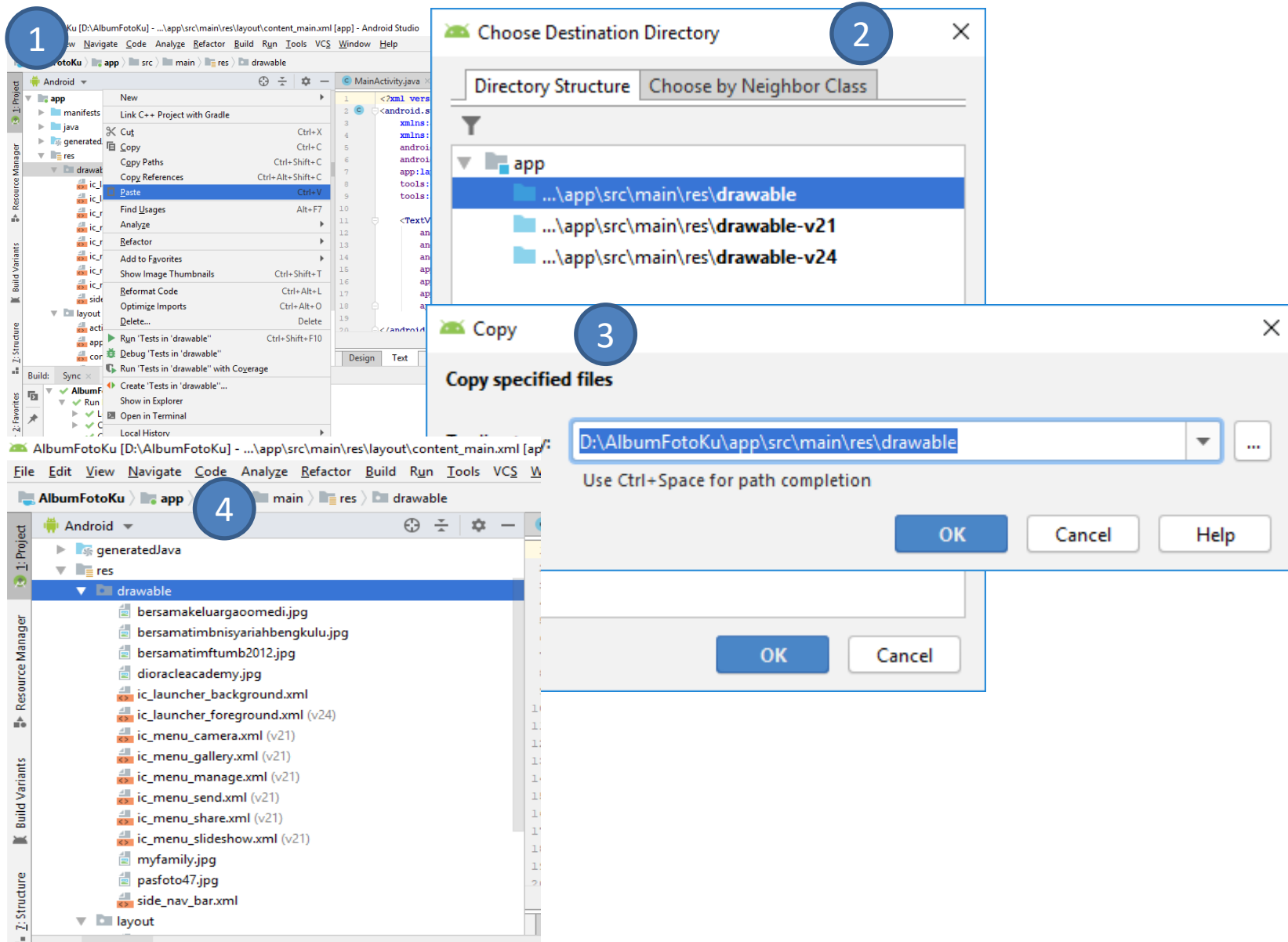
**i** Your app will run on approximately **100%** of devices.  
[Help me choose](#)

☐ This project will support instant apps

☐ Use androidx.\* artifacts

Previous Next Cancel Finish

## 4. Copy dan pastekan foto-foto yang ingin anda tampilkan di folder App > res > drawable



## 5. Ubah isi file layout pada app > res > layout > content\_main.xml sehingga kode lengkapnya seperti berikut ini :

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.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:context=".MainActivity"
    tools:showIn="@layout/app_bar_main">

    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="380dp"
        android:layout_height="406dp"
        android:layout_marginTop="8dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.483"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.145"
        app:srcCompat="@drawable/myfamily" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="8dp"
        android:text="My family"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView2" />

</android.support.constraint.ConstraintLayout>
```

6. Selanjutnya ubah isi file app > res > menu > main.xml menjadi bertuliskan Close, hasil lengkapnya seperti berikut ini.

```
<?xml version="1.0" encoding="utf-8" ?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"
      xmlns:app="http://schemas.android.com/apk/res-auto">
  <item
    android:id="@+id/action_settings"
    android:orderInCategory="100"
    android:title="Close"
    app:showAsAction="never" />
</menu>
```



7. Ubah file app > res > value > string.xml untuk menu foto yang akan kita tampilkan, hasil lengkapnya seperti berikut ini.

```
<resources>
  <string name="app_name">AlbumFotoKu</string>
  <string name="navigation_drawer_open">Open navigation drawer</string>
  <string name="navigation_drawer_close">Close navigation drawer</string>
  <string name="nav_header_title">Android Studio</string>
  <string name="nav_header_subtitle">android.studio@android.com</string>
  <string name="nav_header_desc">Navigation header</string>
  <string name="action_settings">Settings</string>

  <string name="menu_home">Home</string>
  <string name="menu_1">Keluargaku</string>
  <string name="menu_2">Bersama Keluarga Oom Edi dan Dendy</string>
  <string name="menu_3">Bersama Tim Training Oracle Academy</string>
  <string name="menu_4">Bersama Tim BNI Syariah Bengkulu</string>
  <string name="menu_5">Bersama Tim Fakultas Teknik UMB 2012</string>
</resources>
```

8. Ubah layout menu kita pada file app > res > menu > activity\_main\_drawer.xml, sehingga kode lengkap tampilan menunya seperti berikut ini.

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

    <group android:checkableBehavior="single">
        <item
            android:id="@+id/nav_home"
            android:icon="@drawable/pasfoto47"
            android:title="@string/menu_home" />
        <item
            android:id="@+id/nav_menu_1"
            android:icon="@drawable/ic_menu_gallery"
            android:title="@string/menu_1" />
        <item
            android:id="@+id/nav_menu_2"
            android:icon="@drawable/ic_menu_gallery"
            android:title="@string/menu_2" />
        <item
            android:id="@+id/nav_menu_3"
            android:icon="@drawable/ic_menu_gallery"
            android:title="@string/menu_3" />
        <item
            android:id="@+id/nav_menu_4"
            android:icon="@drawable/ic_menu_gallery"
            android:title="@string/menu_4" />
        <item
            android:id="@+id/nav_menu_5"
            android:icon="@drawable/ic_menu_gallery"
            android:title="@string/menu_5" />
    </group>

</menu>
```

9. Terakhir kita ubah beberapa kode program pada file MainActivity. Java sehingga hasil lengkapnya seperti berikut ini.

```
package ac.id.umb.albumfotoku;
```

```
import android.media.Image;
```

```
import android.os.Bundle;
```

```
import android.support.design.widget.FloatingActionButton;
```

```
import android.support.design.widget.Snackbar;
```

```
import android.view.View;
```

```
import android.support.v4.view.GravityCompat;
```

```
import android.support.v7.app.ActionBarDrawerToggle;
```

```
import android.view.MenuItem;
```

```
import android.support.design.widget.NavigationView;
```

```
import android.support.v4.widget.DrawerLayout;
```

```
import android.support.v7.app.AppCompatActivity;
```

```
import android.support.v7.widget.Toolbar;
```

```
import android.view.Menu;
```

```
import android.widget.ImageView;
```

```
import android.widget.TextView;
```

```
public class MainActivity extends AppCompatActivity
    implements NavigationView.OnNavigationItemSelectedListener {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toolbar toolbar = findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        FloatingActionButton fab = findViewById(R.id.fab);
        fab.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Snackbar.make(view, "Email me at : harrywitriyono@umb.ac.id",
                Snackbar.LENGTH_LONG)
                    .setAction("Action", null).show();
            }
        });
        DrawerLayout drawer = findViewById(R.id.drawer_layout);
        NavigationView navigationView = findViewById(R.id.nav_view);
        ActionBarDrawerToggle toggle = new ActionBarDrawerToggle(
            this, drawer, toolbar, R.string.navigation_drawer_open,
            R.string.navigation_drawer_close);
```

```
drawer.addDrawerListener(toggle);
    toggle.syncState();
    navigationView.setNavigationItemSelectedListener(this);
}
```

@Override

```
public void onBackPressed() {
    DrawerLayout drawer = findViewById(R.id.drawer_layout);
    if (drawer.isDrawerOpen(GravityCompat.START)) {
        drawer.closeDrawer(GravityCompat.START);
    } else {
        super.onBackPressed();
    }
}
```

@Override

```
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}
```

@Override

```
public boolean onOptionsItemSelected(MenuItem item) {  
    // Handle action bar item clicks here. The action bar will  
    // automatically handle clicks on the Home/Up button, so long  
    // as you specify a parent activity in AndroidManifest.xml.  
    int id = item.getItemId();  
  
    //noinspection SimplifiableIfStatement  
    if (id == R.id.action_settings) {  
        this.finish();  
        return true;  
    }  
  
    return super.onOptionsItemSelected(item);  
}
```

@SuppressWarnings("**StatementWithEmptyBody**")

@Override

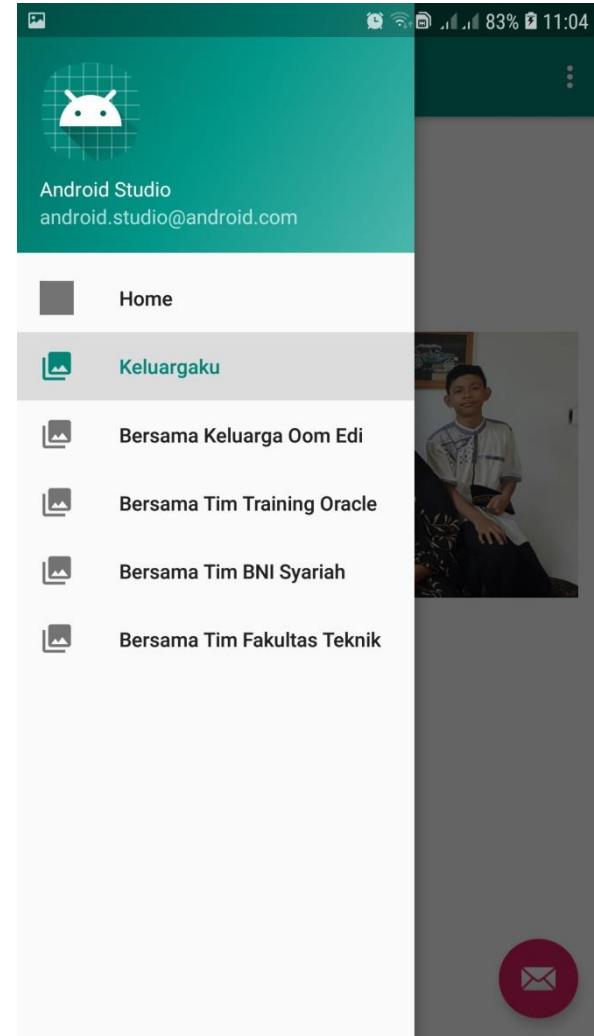
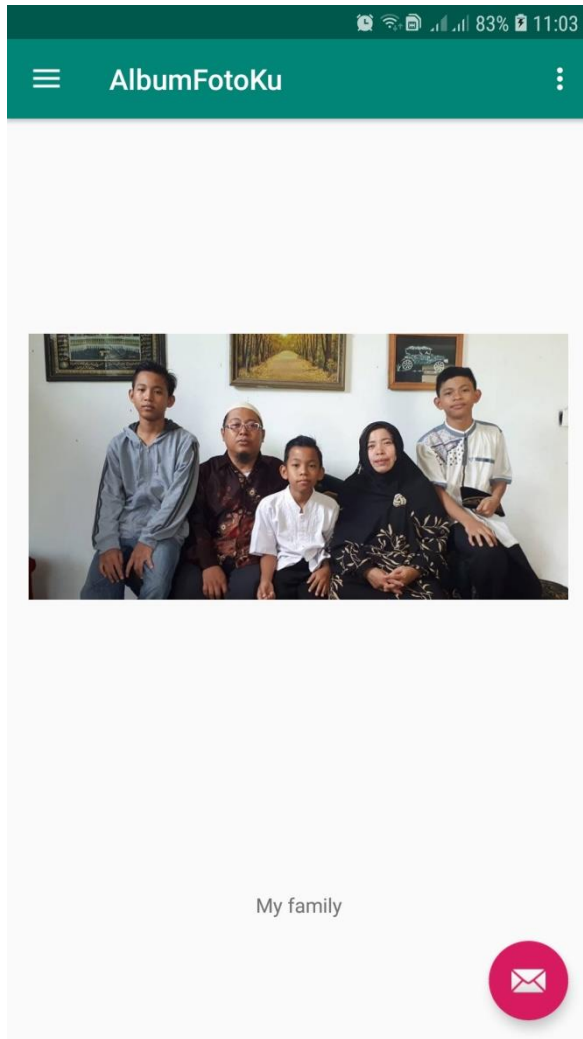
```
public boolean onNavigationItemSelected(MenuItem item) {  
    // Handle navigation view item clicks here.  
    int id = item.getItemId();  
  
    ImageView imageView = (ImageView) findViewById(R.id.imageView2);  
    TextView textView = (TextView) findViewById(R.id.textFoto);
```

```

if (id == R.id.nav_home) {
    imageView.setImageResource(R.drawable.pasfoto47);
    textView.setText("Fotoku");
} else if (id == R.id.nav_menu_1){
    imageView.setImageResource(R.drawable.myfamily);
    textView.setText(R.string.menu_1);
} else if (id == R.id.nav_menu_2) {
    imageView.setImageResource(R.drawable.bersamakeluargaoomedi);
    textView.setText(R.string.menu_2);
} else if (id == R.id.nav_menu_3) {
    imageView.setImageResource(R.drawable.dioracleacademy);
    textView.setText(R.string.menu_3);
} else if (id == R.id.nav_menu_4) {
    imageView.setImageResource(R.drawable.bersamatimbnisyariahengkulu);
    textView.setText(R.string.menu_4);
} else if (id == R.id.nav_menu_5) {
    imageView.setImageResource(R.drawable.bersamatimftumb2012);
    textView.setText(R.string.menu_5);
}
DrawerLayout drawer = findViewById(R.id.drawer_layout);
drawer.closeDrawer(GravityCompat.START);
return true;
}
}

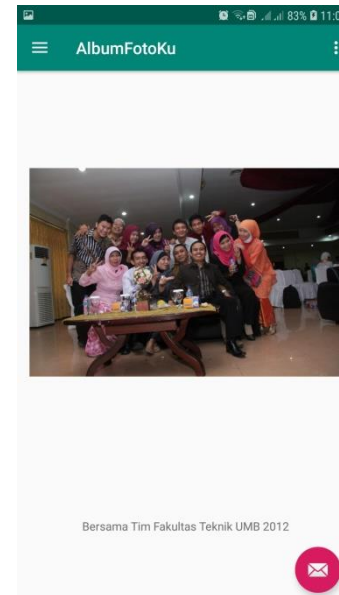
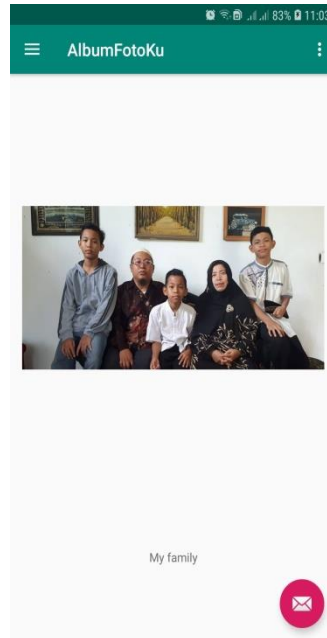
```

# Tampilan awal dan tampilan menunya





# Tampilan halaman menu Home dan seterusnya



# Tampilan menu Email dan Menu Close

