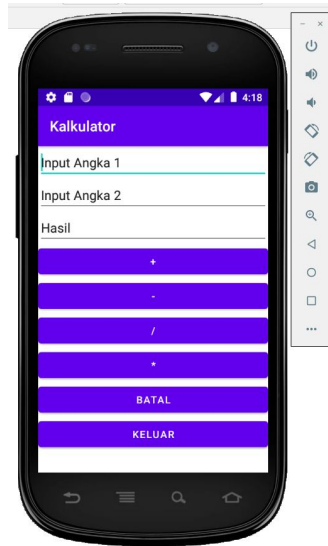




Kalkulator Sederhana

Khusaeri Andesa, M.Kom

- Tampilan Form / Layout Aplikasi yang akan dibuat



Gambar 1. Tampilan Layout/Form Aplikasi yang akan dibuat

- Pada **activity_main.xml**

```

1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      android:orientation="vertical"
8      tools:context=".MainActivity">
9
10
11     <EditText
12         android:id="@+id/bil1"
13         android:layout_width="match_parent"
14         android:layout_height="wrap_content"
15         android:ems="10"
16         android:inputType="textPersonName"
17         android:text="Input Angka 1" />
18
19     <EditText
20         android:id="@+id/bil2"
21         android:layout_width="match_parent"
22         android:layout_height="wrap_content"
23         android:ems="10"
24         android:inputType="textPersonName"
25         android:text="Input Angka 2" />
26

```

```

27 <EditText
28     android:id="@+id/hasil"
29     android:layout_width="match_parent"
30     android:layout_height="wrap_content"
31     android:ems="10"
32     android:inputType="textPersonName"
33     android:text="Hasil" />
34
35 <Button
36     android:id="@+id/btn_tambah"
37     android:layout_width="match_parent"
38     android:layout_height="wrap_content"
39     android:text="+" />
40
41 <Button
42     android:id="@+id/btn_kurang"
43     android:layout_width="match_parent"
44     android:layout_height="wrap_content"
45     android:text="-" />
46
47 <Button
48     android:id="@+id/btn_bagi"
49     android:layout_width="match_parent"
50     android:layout_height="wrap_content"
51     android:text="/" />
52
53 <Button
54     android:id="@+id/btn_kali"
55     android:layout_width="match_parent"
56     android:layout_height="wrap_content"
57     android:text="*" />
58
59 <Button
60     android:id="@+id/btn_batal"
61     android:layout_width="match_parent"
62     android:layout_height="wrap_content"
63     android:text="Batal" />
64
65 <Button
66     android:id="@+id/btn_keluar"
67     android:layout_width="match_parent"
68     android:layout_height="wrap_content"
69     android:text="Keluar" />
70 </LinearLayout>

```

- Pada **MainActivity.java** ketikan skrip dibawah ini:

```

1 package com.example.kalkulator;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.content.Intent;
6 import android.os.Bundle;
7 import android.view.View;
8 import android.widget.Button;
9 import android.widget.EditText;
10
11 public class MainActivity extends AppCompatActivity {
12     EditText bil1,bil2,hasil;
13     int a,b,c;
14     Button btn_tambah,btn_kurang,btn_bagi,btn_kali,btn_batal,btn_keluar;
15
16
17     @Override
18     protected void onCreate(Bundle savedInstanceState) {
19         super.onCreate(savedInstanceState);
20         setContentView(R.layout.activity_main);
21         bil1 = (EditText)findViewById(R.id.bil1);
22         bil2 = (EditText)findViewById(R.id.bil2);
23         hasil = (EditText)findViewById(R.id.hasil);
24         btn_tambah = (Button)findViewById(R.id.btn_tambah);
25         btn_kurang = (Button)findViewById(R.id.btn_kurang);
26         btn_bagi = (Button)findViewById(R.id.btn_bagi);
27         btn_kali = (Button)findViewById(R.id.btn_kali);
28         btn_batal = (Button)findViewById(R.id.btn_batal);
29         btn_keluar = (Button)findViewById(R.id.btn_keluar);
30
31         btn_tambah.setOnClickListener(new View.OnClickListener() {
32             @Override
33             public void onClick(View v) {
34                 a = Integer.valueOf(bil1.getText().toString());
35                 b = Integer.valueOf(bil2.getText().toString());
36                 c = a+b;
37                 hasil.setText(String.valueOf(c));
38             }
39         });
40
41
42         btn_kurang.setOnClickListener(new View.OnClickListener() {
43             @Override
44             public void onClick(View v) {
45                 a = Integer.valueOf(bil1.getText().toString());
46                 b = Integer.valueOf(bil2.getText().toString());
47                 c = a-b;
48                 hasil.setText(String.valueOf(c));
49             }
50         });
51
52
53         btn_kali.setOnClickListener(new View.OnClickListener() {
54             @Override
55             public void onClick(View v) {
56                 a = Integer.valueOf(bil1.getText().toString());
57                 b = Integer.valueOf(bil2.getText().toString());
58                 c = a*b;
59                 hasil.setText(String.valueOf(c));
60             }
61         });

```

```

62
63
64 btn_bagi.setOnClickListener(new View.OnClickListener() {
65     @Override
66     public void onClick(View v) {
67         a = Integer.valueOf(bil1.getText().toString());
68         b = Integer.valueOf(bil2.getText().toString());
69         c = a/b;
70         hasil.setText(String.valueOf(c));
71     }
72 });
73
74
75
76 btn_batal.setOnClickListener(new View.OnClickListener() {
77     @Override
78     public void onClick(View v) {
79         bil1.setText("");
80         bil2.setText("");
81         hasil.setText("");
82     }
83 });
84
85
86 btn_keluar.setOnClickListener(new View.OnClickListener() {
87     @Override
88     public void onClick(View v) {
89         System.exit( status: 0);
90     }
91 });
92
93 }
94 }

```

- Pada **AndroidManifest.xml** ketik skrip berikut:

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <manifest xmlns:android="http://schemas.android.com/apk/res/android"
3     package="com.example.kalkulator">
4
5     <application
6         android:allowBackup="true"
7         android:icon="@mipmap/ic_launcher"
8         android:label="Kalkulator"
9         android:roundIcon="@mipmap/ic_launcher_round"
10        android:supportRtl="true"
11        android:theme="@style/Theme.Kalkulator">
12        <activity android:name=".MainActivity">
13            <intent-filter>
14                <action android:name="android.intent.action.MAIN" />
15
16                <category android:name="android.intent.category.LAUNCHER" />
17            </intent-filter>
18        </activity>
19    </application>
20
21 </manifest>

```

- Setelah selesai dan tidak ada garis merah silahkan running.