

Praktikum 1 – View and Layout



build.gradle (Module: app)

```
//tambahkan pada bagian dependencies (implementation/compile)
implementation 'de.hdodenhof:circleimageview:2.1.0'
```

activity_main.xml

```
<?xml version="1.0" encoding="utf-8" ?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@android:color/white"
    tools:context="com.example.nizar.viewandlayout.MainActivity">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">
        <FrameLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content">
            <ImageView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:adjustViewBounds="true"
                android:src="@drawable/gedungunikom"
                android:scaleType="fitXY"/>
            <de.hdodenhof.circleimageview.CircleImageView
                android:layout_width="56dp"
                android:layout_height="56dp"
                android:src="@drawable/photo"
                android:layout_margin="8dp"
                android:layout_gravity="bottom" />
        </FrameLayout>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:textSize="32sp"
            android:text="Asep Solihin"
            android:layout_marginLeft="@dimen/activity_horizontal_margin"
            android:layout_marginRight="@dimen/activity_horizontal_margin"
            android:layout_marginTop="@dimen/activity_vertical_margin"
            android:layout_marginBottom="8dp"
            android:textColor="@android:color/black"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Judul Skripsi"
            android:textSize="12sp"
            android:layout_marginLeft="@dimen/activity_horizontal_margin"
            android:layout_marginRight="@dimen/activity_horizontal_margin"
            android:layout_marginBottom="@dimen/activity_vertical_margin"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/content_text"
            android:layout_marginLeft="@dimen/activity_horizontal_margin"
            android:layout_marginRight="@dimen/activity_horizontal_margin"
            android:layout_marginBottom="@dimen/activity_vertical_margin"
            android:lineSpacingMultiplier="1"
            android:textColor="@android:color/black"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Data Mahasiswa"
            android:textSize="12sp"
            android:layout_marginLeft="@dimen/activity_horizontal_margin"
            android:layout_marginRight="@dimen/activity_horizontal_margin">
```

```

        android:layout_marginBottom="8dp"/>
<TableLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="@dimen/activity_horizontal_margin"
    android:layout_marginRight="@dimen/activity_horizontal_margin"
    android:layout_marginBottom="@dimen/activity_vertical_margin">
    <TableRow
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="8dp">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:textSize="14sp"
            android:layout_marginRight="@dimen/activity_vertical_margin"
            android:text="NIM"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:textSize="14sp"
            android:layout_weight="1"
            android:text="10507234"
            android:textColor="@android:color/black"/>
    </TableRow>
    <TableRow
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="8dp">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:textSize="14sp"
            android:layout_marginRight="@dimen/activity_vertical_margin"
            android:text="Kelas"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:textSize="14sp"
            android:layout_weight="1"
            android:text="IS-6"
            android:textColor="@android:color/black"/>
    </TableRow>
    <TableRow
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="8dp">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:textSize="14sp"
            android:layout_marginRight="@dimen/activity_vertical_margin"
            android:text="Prodi"/>
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:textSize="14sp"
            android:layout_weight="1"
            android:text="Sistem Informasi"
            android:textColor="@android:color/black"/>
    </TableRow>
</TableLayout>
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Dosen Pembimbing"
    android:textSize="12sp"
    android:layout_marginLeft="@dimen/activity_horizontal_margin"

```

```

        android:layout_marginRight="@dimen/activity_horizontal_margin"
        android:layout_marginBottom="8dp"/>
<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="@dimen/activity_horizontal_margin"
    android:layout_marginRight="@dimen/activity_horizontal_margin"
    android:layout_marginBottom="@dimen/activity_vertical_margin">
    <de.hdodenhof.circleimageview.CircleImageView
        android:layout_width="56dp"
        android:layout_height="56dp"
        android:src="@drawable/dosen"
        android:layout_centerVertical="true"
        android:id="@+id/profile_image"
        android:layout_marginRight="@dimen/activity_horizontal_margin"/>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_toRightOf="@id/profile_image"
        android:text="Budi Raharjo"
        android:textColor="@android:color/black"
        android:layout_centerVertical="true"/>
</RelativeLayout>
<Button
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Ubah Data"
    android:onClick="showToast"
    android:layout_marginLeft="@dimen/activity_horizontal_margin"
    android:layout_marginRight="@dimen/activity_horizontal_margin"
    android:layout_marginBottom="@dimen/activity_vertical_margin"/>
</LinearLayout>
</ScrollView>

```

MainActivity.java

```
package com.example.nizar.viewandlayout;
```

```
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Toast;
```

```
public class MainActivity extends AppCompatActivity {
```

```
    @Override
```

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

```
    public void showToast(View view) {
        Toast toast = Toast.makeText(this, "Fasilitas ini belum tersedia.",
        Toast.LENGTH_LONG);
        toast.show();
    }
}
```