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NIM : A11.2020.12870

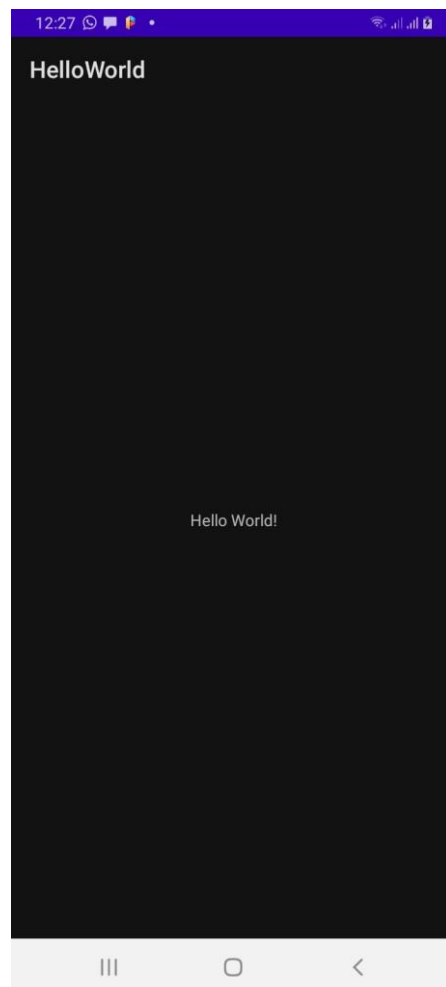
KEL : 4301

Matkul : Pemrograman Perangkat Bergerak

Pertemuan 1

1. Hello World

Hasil program :



Code program :

activity_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"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

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

MainActivity.java

```
package com.udinus.helloworld;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

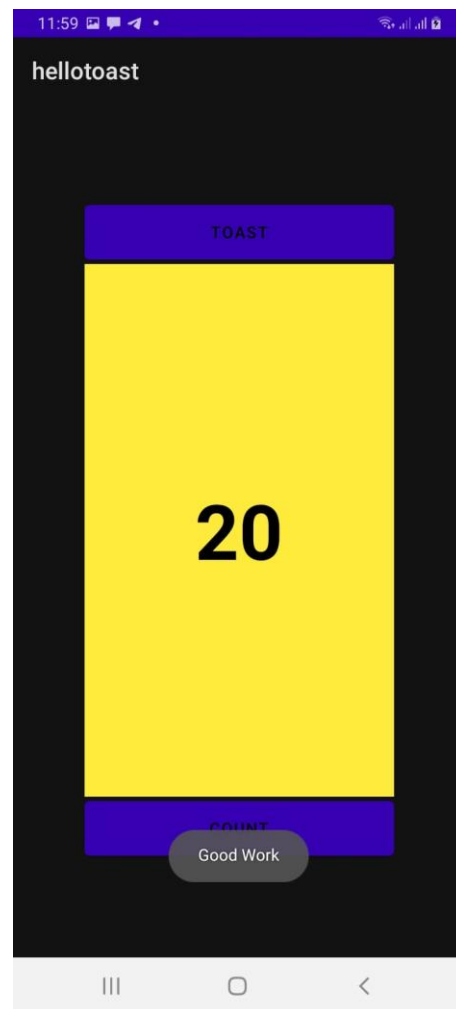
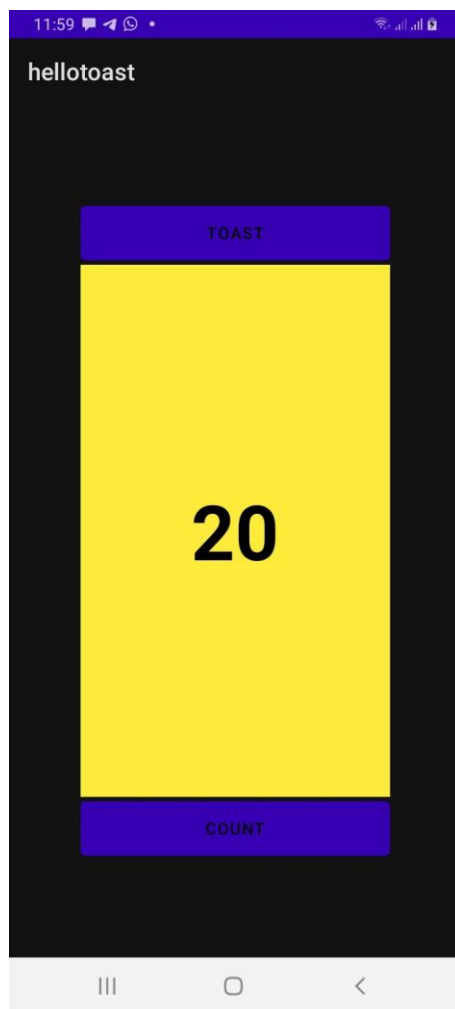
public class MainActivity extends AppCompatActivity {

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

```
}  
}
```

2. Aplikasi HelloToast

Hasil program :



Code program :

activity_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"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/button_toast"
        android:layout_width="263dp"
        android:layout_height="58dp"
        android:onClick="show_toast"
        android:text="@string/toast"
        app:backgroundTint="@color/purple_700"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.121"
        tools:ignore="MissingConstraints,UsingOnClickInXml" />

    <TextView
        android:id="@+id/show_count"
        android:layout_width="263dp"
        android:layout_height="452dp"
        android:background="#FFEB3B"
        android:gravity="center"
        android:text="@string/count"
        android:textColor="@color/black"
        android:textSize="65sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
```

```
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

```
<Button
    android:id="@+id/button_count"
    android:layout_width="263dp"
    android:layout_height="58dp"
    android:onClick="countup"
    android:text="@string/countt"
    app:backgroundTint="@color/purple_700"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.879"
    tools:ignore="MissingConstraints,UsingOnClickInXml" />
```

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

MainActivity.java

```
package com.udinus.hellotoast;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    private int mCount = 0;
    private TextView mShowCount;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
```

```

        setContentView(R.layout.activity_main);
        mShowCount = findViewById(R.id.show_count);
    }

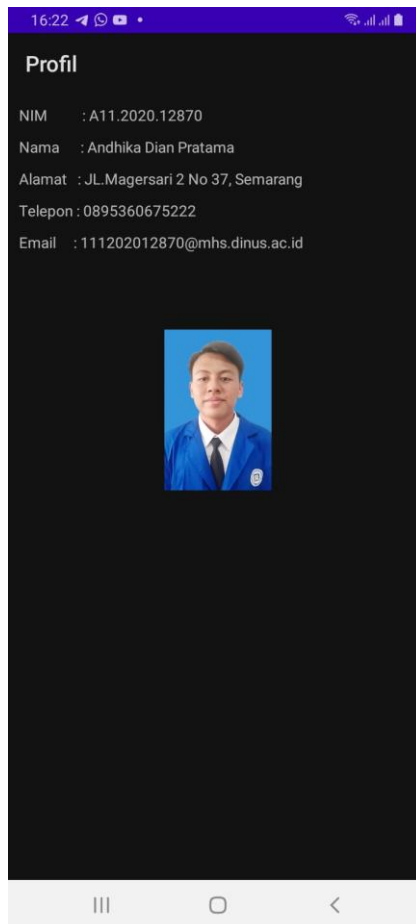
    public void show_toast(View view) {
        Toast toast = Toast.makeText(this, "Good Work", Toast.LENGTH_LONG);
        toast.show();
    }

    @SuppressWarnings("SetTextI18n")
    public void countup(View view) {
        mCount++;
        if (mShowCount != null){
            mShowCount.setText(Integer.toString(mCount));
        }
    }
}

```

3. Aplikasi Profil

Hasil program :



Code program :

activity_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"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/utama"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="10dp"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/imageView3"
        android:layout_width="195dp"
        android:layout_height="251dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="134dp"
        android:layout_marginTop="193dp"
        android:layout_marginEnd="131dp"
        android:layout_marginBottom="335dp"
        app:srcCompat="@drawable/gambardhika" />

    <TextView
        android:id="@+id/nim"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="NIM      : A11.2020.12870 "
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/nama"
        android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:layout_below="@+id/nim"
android:paddingTop="10dp"
android:text="Nama : Andhika Dian Pratama"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<TextView

```
android:id="@+id/alamat"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/nama"
android:paddingTop="10dp"
android:text="Alamat : JL.Magersari 2 No 37, Semarang"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<TextView

```
android:id="@+id/telepon"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/alamat"
android:paddingTop="10dp"
android:text="Telepon : 0895360675222"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<TextView

```
android:id="@+id/email"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/telepon"
android:paddingTop="10dp"
android:text="Email : 111202012870@mhs.dinus.ac.id"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
```



```
app:layout_constraintRight_toRightOf="parent"  
app:layout_constraintTop_toTopOf="parent" />
```

```
</RelativeLayout>
```

MainActivity.java

```
package com.example.profil;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
  
public class MainActivity extends AppCompatActivity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
    }  
}
```

4. Aplikasi Scrolling Text

Hasil program :



Code program :

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView 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:scrollbars="vertical"
    android:padding="10dp"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">
        <TextView
            android:id="@+id/textview"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginBottom="20dp"
            android:text="Sejarah Perkembangan Komputer Generasi Pertama (1940-1959)"
            android:textAlignment="center"
            android:textStyle="bold"/>

        <ImageView
            android:id="@+id/imageView"
            android:layout_width="match_parent"
            android:layout_height="287dp"
            app:srcCompat="@drawable/img" />

        <TextView
            android:id="@+id/textview2"
            android:layout_width="match_parent"
            android:layout_height="232dp"
            android:layout_marginTop="20dp"
            android:text="@string/textview2" />

        <TextView
            android:id="@+id/textview3"
```

```
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="10dp"
    android:textStyle="bold"
    android:text="@string/textview3"/>
```

```
<TextView
    android:id="@+id/textview4"
    android:layout_width="match_parent"
    android:layout_height="595dp"
    android:text="@string/textview4" />
```

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

MainActivity.java

```
package com.example.scrollview;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

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

