



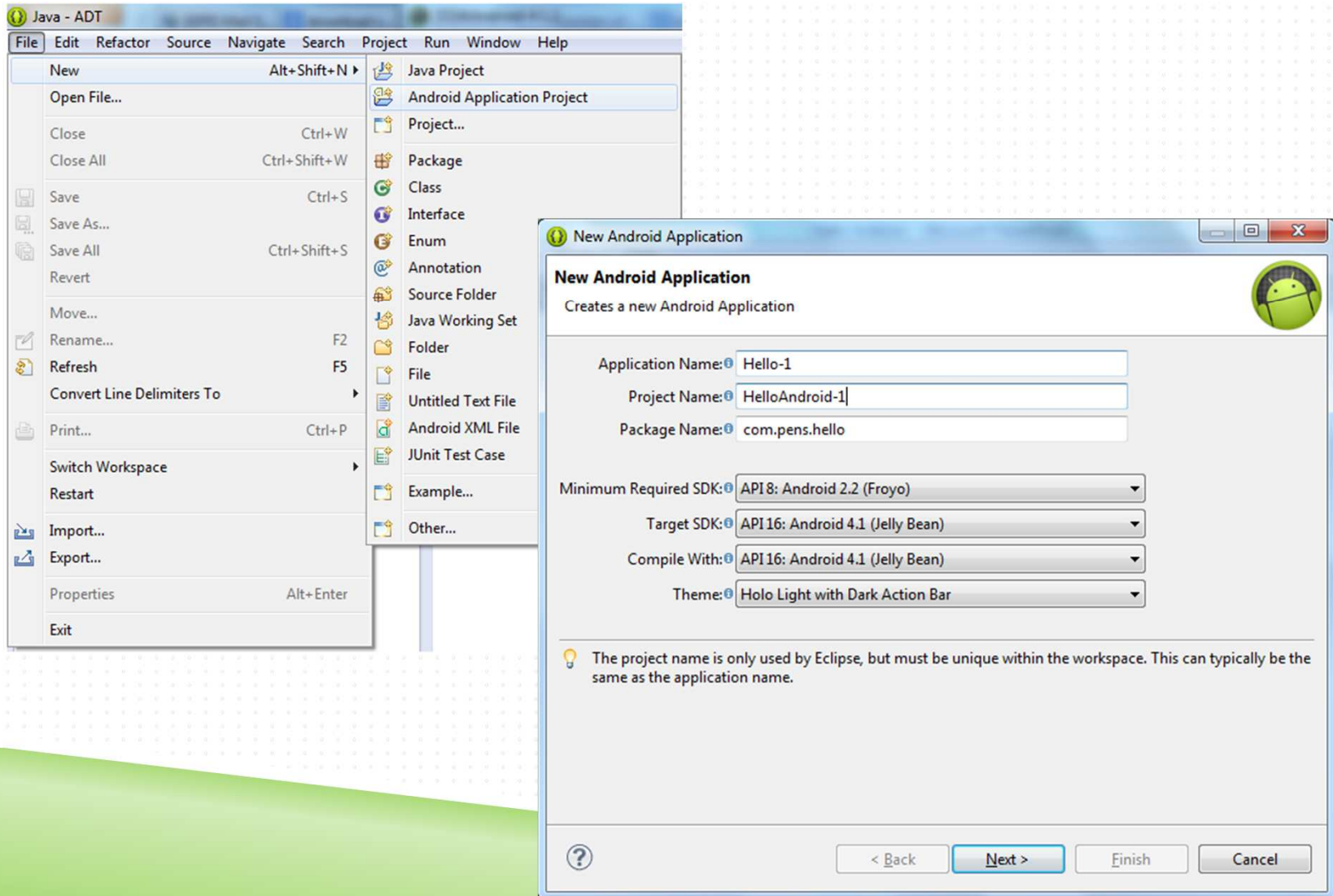
HELLO ANDROID

Ahmad Zainudin

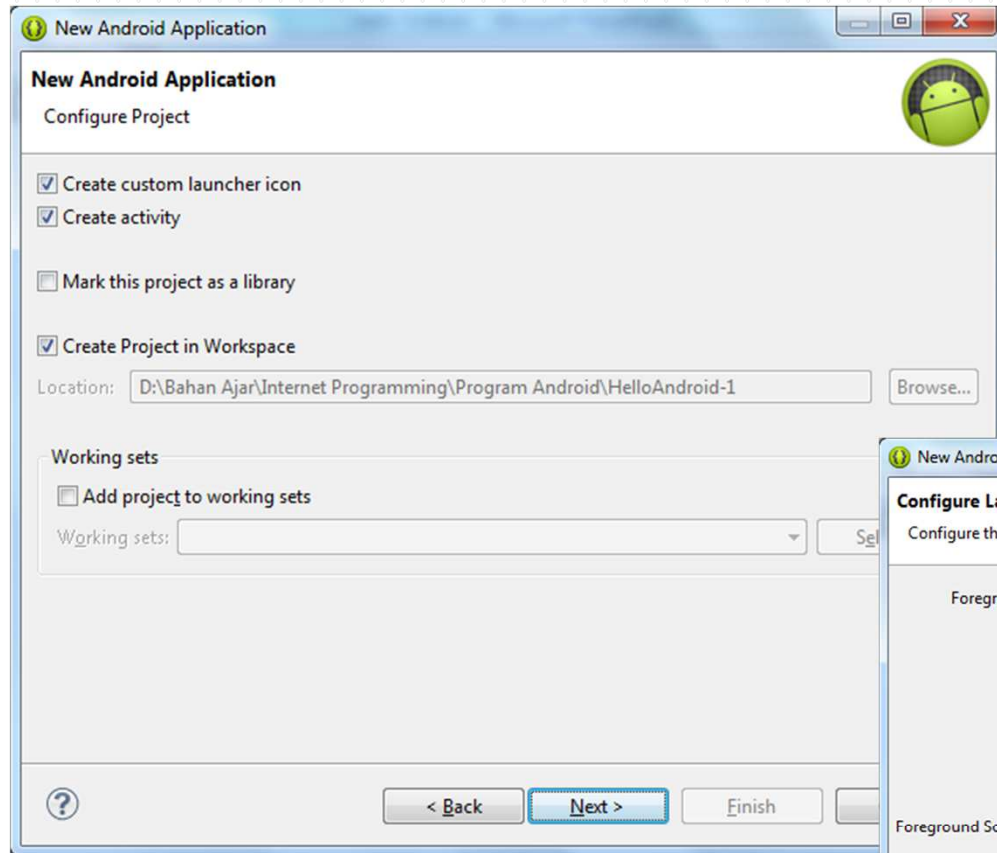
Politeknik Elektronika Negeri Surabaya

PROGRAM HELLO WORLD

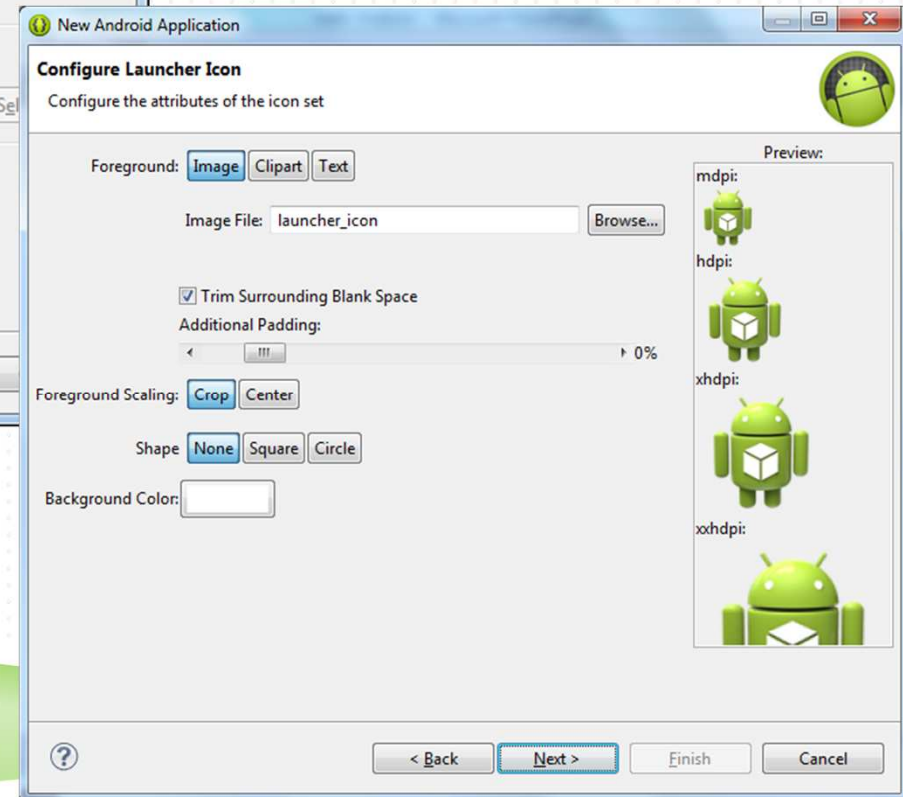
- Buat project baru : File → New → Android Application Project



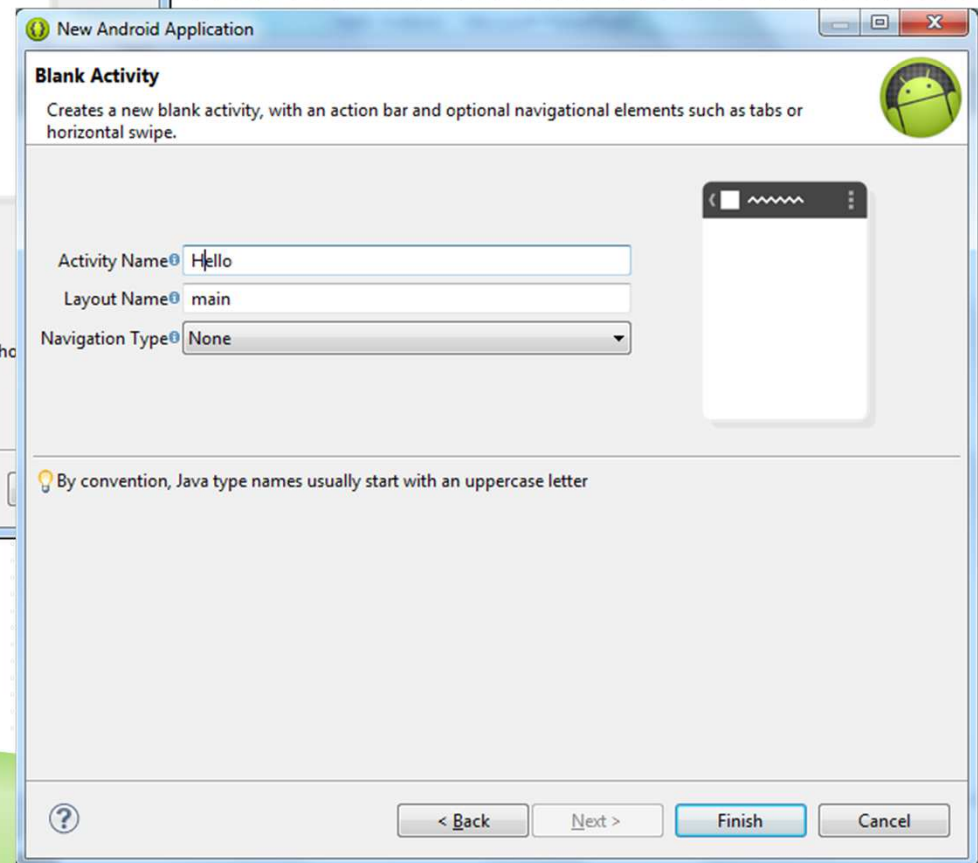
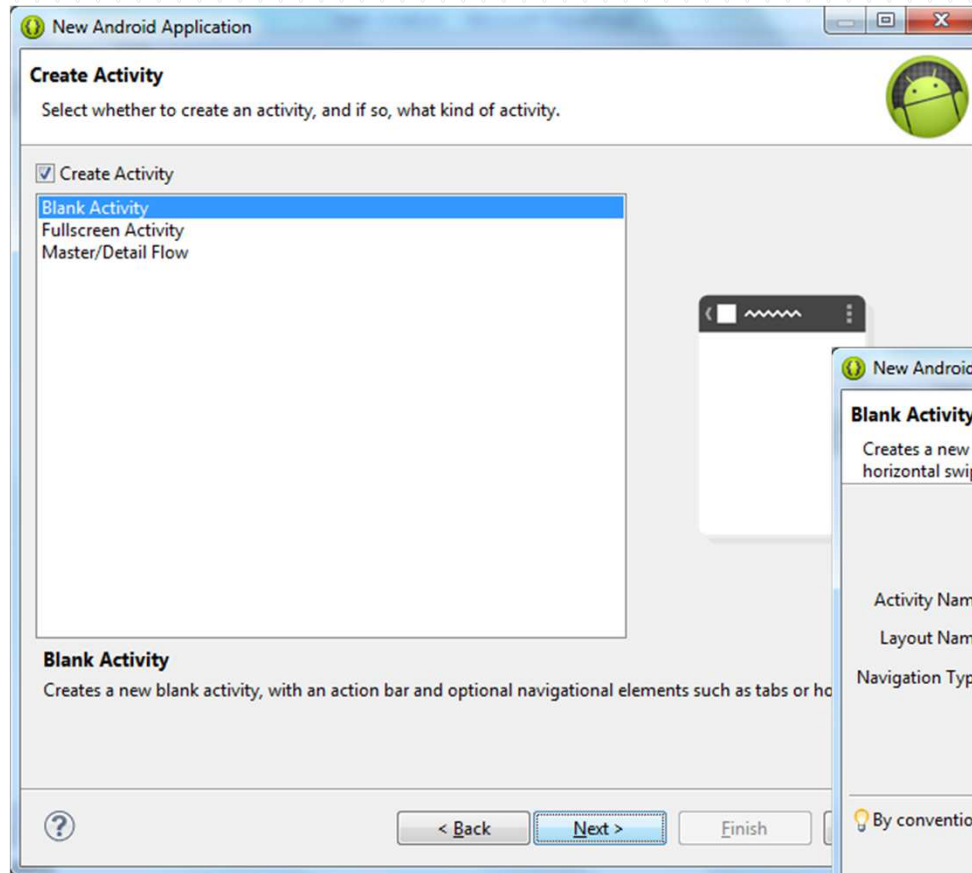
BUAT PROJECT



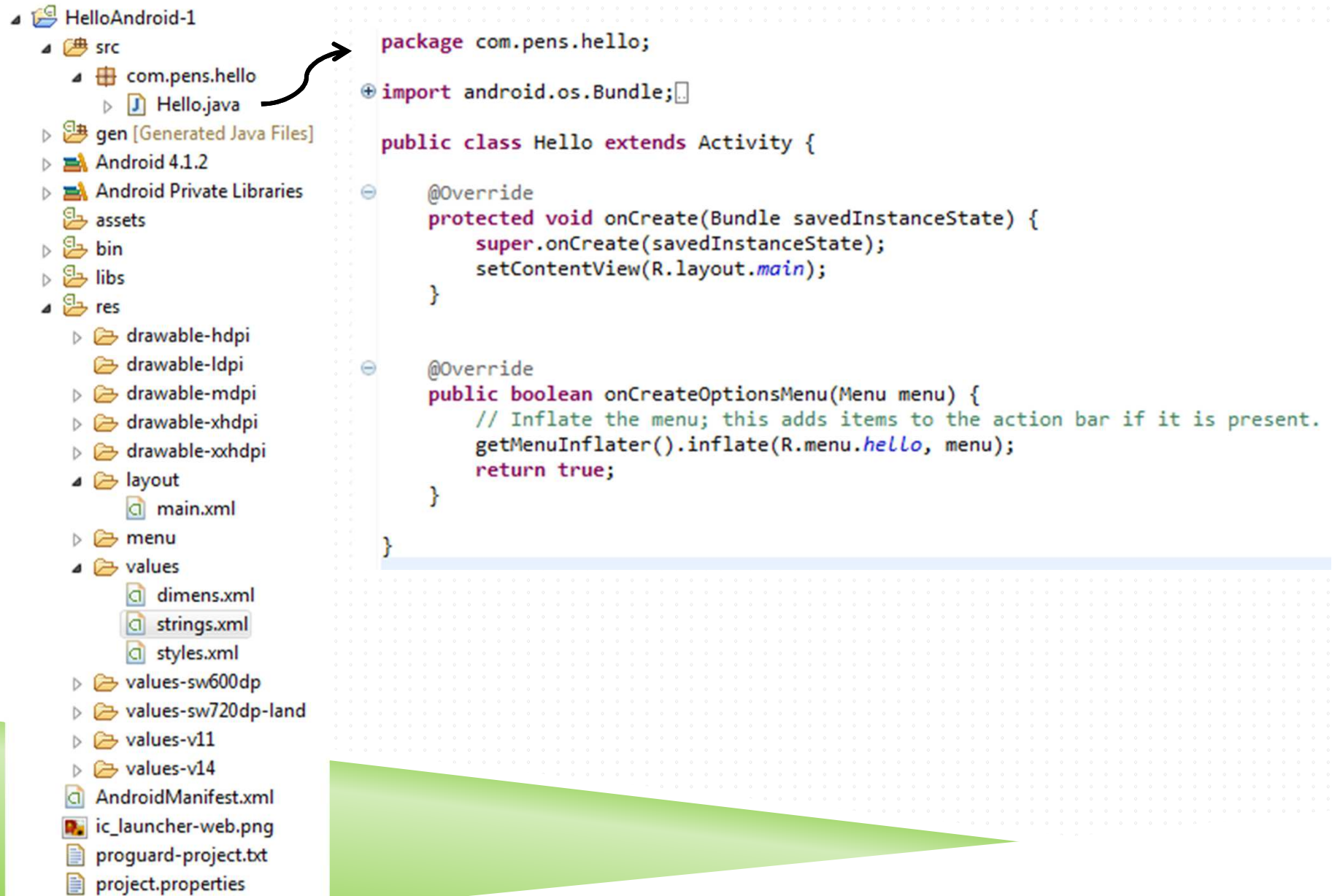
Buat default



BUAT PROJECT



VIEW PROJECT



The image shows a project structure on the left and the corresponding Java code on the right. An arrow points from the 'Hello.java' file in the project tree to the code editor.

Project Structure (Left):

- HelloAndroid-1
 - src
 - com.pens.hello
 - Hello.java
 - gen [Generated Java Files]
 - Android 4.1.2
 - Android Private Libraries
 - assets
 - bin
 - libs
 - res
 - drawable-hdpi
 - drawable-ldpi
 - drawable-mdpi
 - drawable-xhdpi
 - drawable-xxhdpi
 - layout
 - main.xml
 - menu
 - values
 - dimens.xml
 - strings.xml
 - styles.xml
 - values-sw600dp
 - values-sw720dp-land
 - values-v11
 - values-v14
 - AndroidManifest.xml
 - ic_launcher-web.png
 - proguard-project.txt
 - project.properties

Code (Right):

```
package com.pens.hello;

import android.os.Bundle;

public class Hello extends Activity {

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

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

VIEW PROJECT

- HelloAndroid-1
 - src
 - com.pens.hello
 - Hello.java
 - gen [Generated Java Files]
 - Android 4.1.2
 - Android Private Libraries
 - assets
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 - libs
 - res
 - drawable-hdpi
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 - layout
 - main.xml
 - menu
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 - strings.xml
 - styles.xml
 - values-sw600dp
 - values-sw720dp-land
 - values-v11
 - values-v14
 - AndroidManifest.xml
 - ic_launcher-web.png
 - proguard-project.txt
 - project.properties

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context=".Hello" >
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/hello_world" />
```

```
</RelativeLayout>
```

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<resources>
```

```
<string name="app_name">Hello-1</string>
```

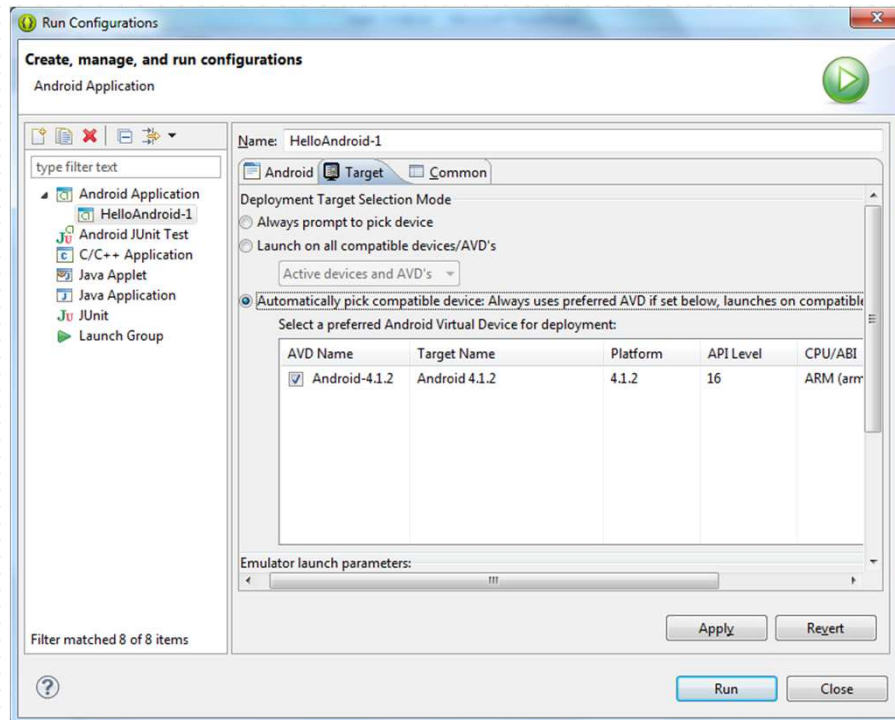
```
<string name="action_settings">Settings</string>
```

```
<string name="hello_world">Hello world!</string>
```

```
</resources>
```

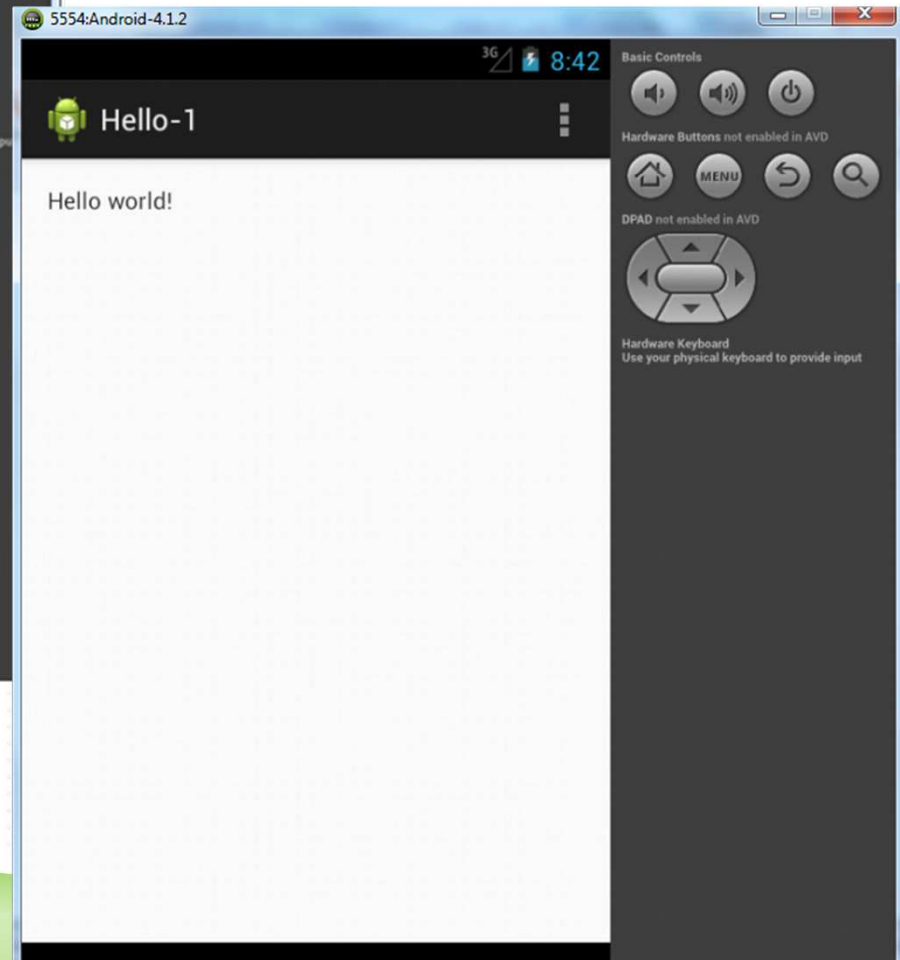
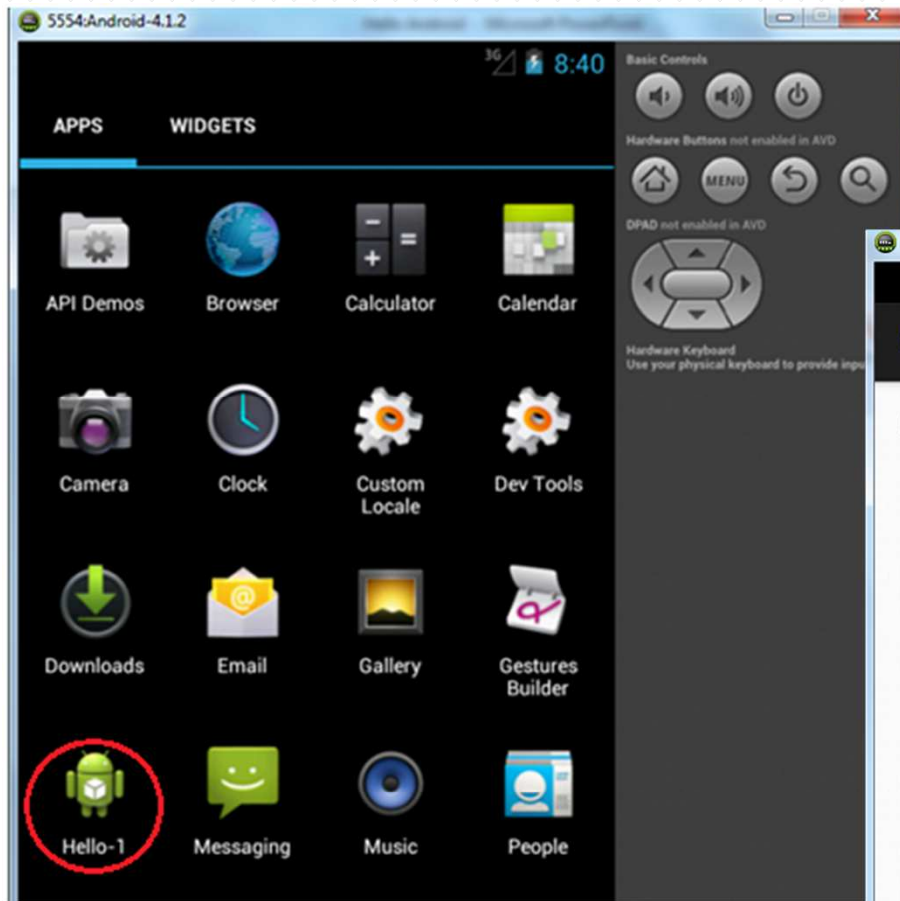
RUN PROGRAM

- Apabila anda pertama kali run program, klik kanan → Run as → Run Configurations → Target → Pilih Emulator yang digunakan → Run



- Kalau pernah dijalankan, klik kanan Run as → Android Application

TANPIAN HELLO WORLD



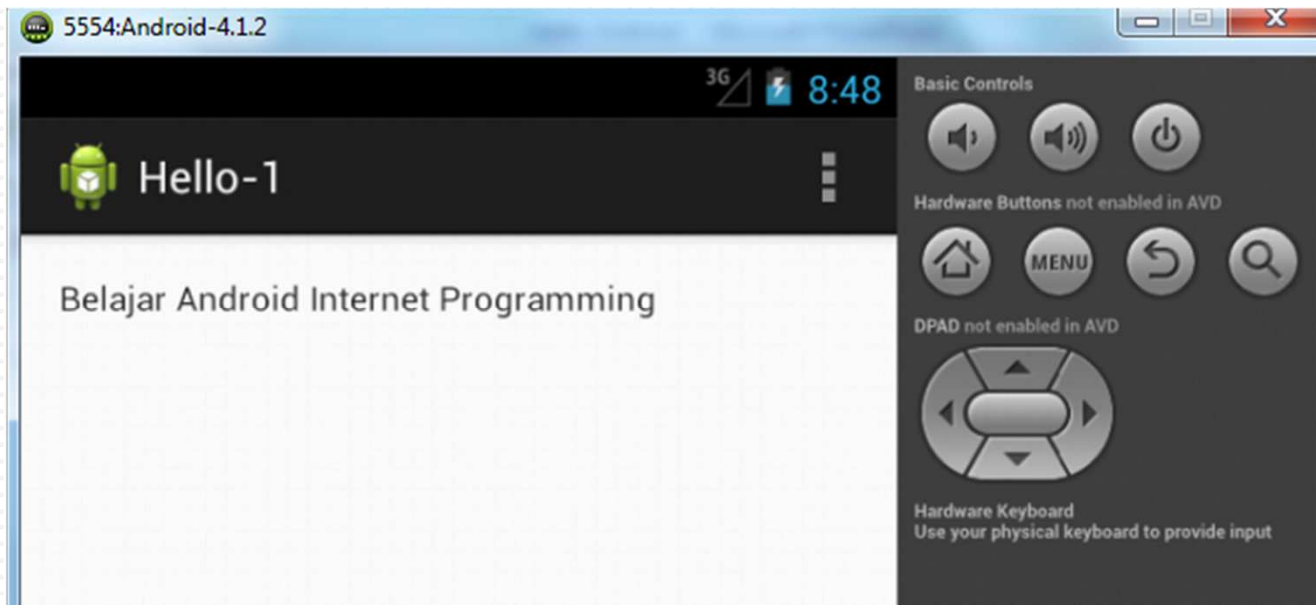
MERUBAH TEXTVIEW

- Pada file string.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>

    <string name="app_name">Hello-1</string>
    <string name="action_settings">Settings</string>
    <string name="hello_world">Belajar Android Internet Programming</string>

</resources>
```



MERUBAH TEXTVIEW

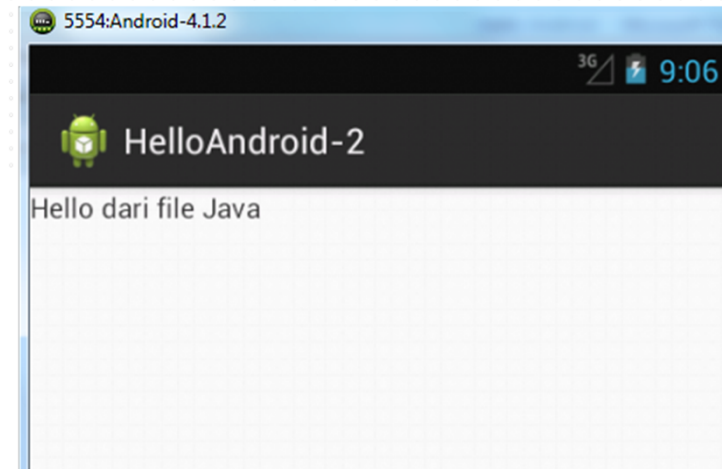
- Pada file Hello.java

```
package com.pens.hello;

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

public class Hello extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        TextView hello = new TextView(this);
        hello.setText("Hello dari file Java");
        setContentView(hello);
    }
}
```



- File main.xml

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent" >
</LinearLayout>
```

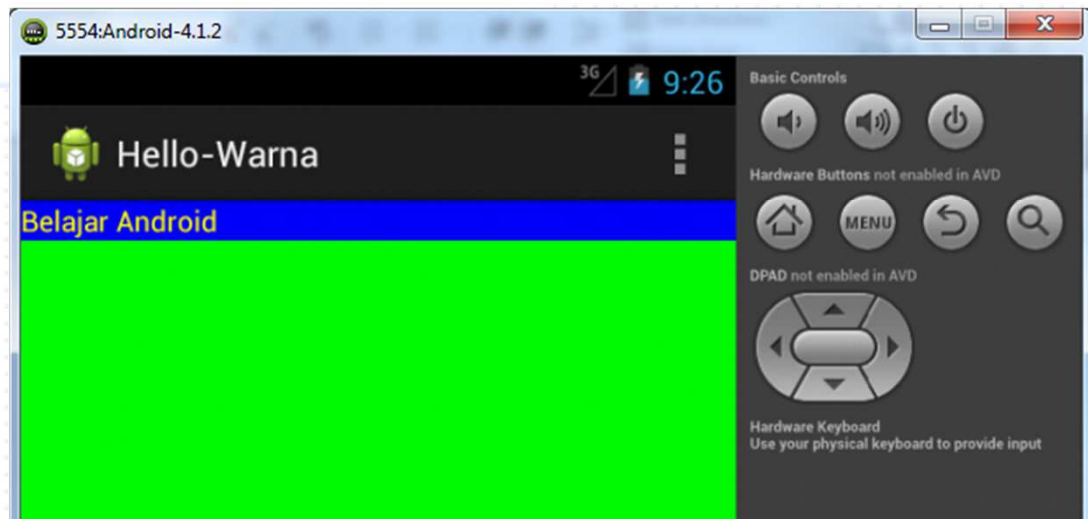
WARNA TULISAN DAN BACKGROUND

- Pada file main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:background="#ff00ff00" >

    <TextView
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:textColor="#ffffff00"
        android:background="#ff0000ff"
        android:text="Belajar Android"
        />

</LinearLayout>
```



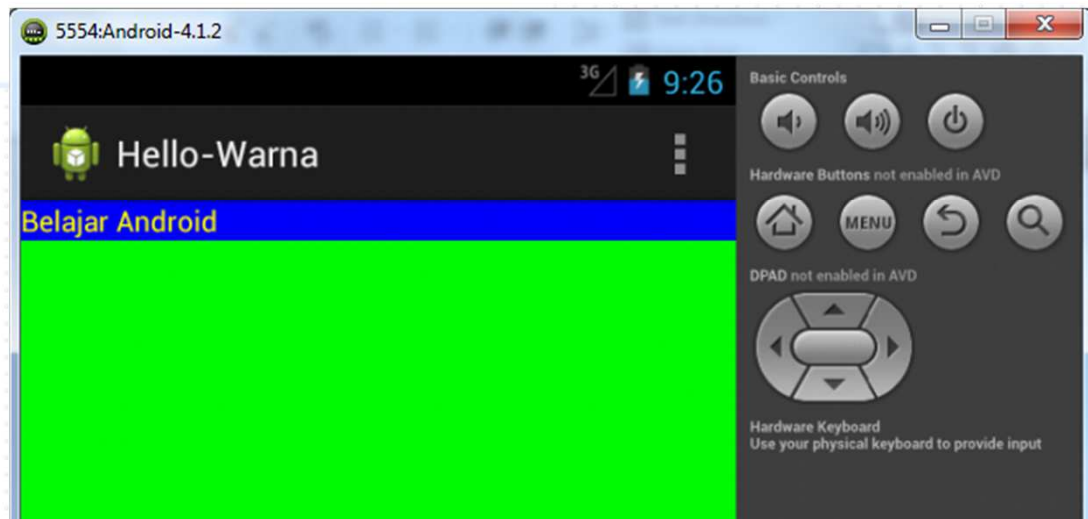
WARNA TULISAN DAN BACKGROUND

- Pada file main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:background="#ff00ff00" >

    <TextView
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:textColor="#ffffff00"
        android:background="#ff0000ff"
        android:text="Belajar Android"
    />

</LinearLayout>
```



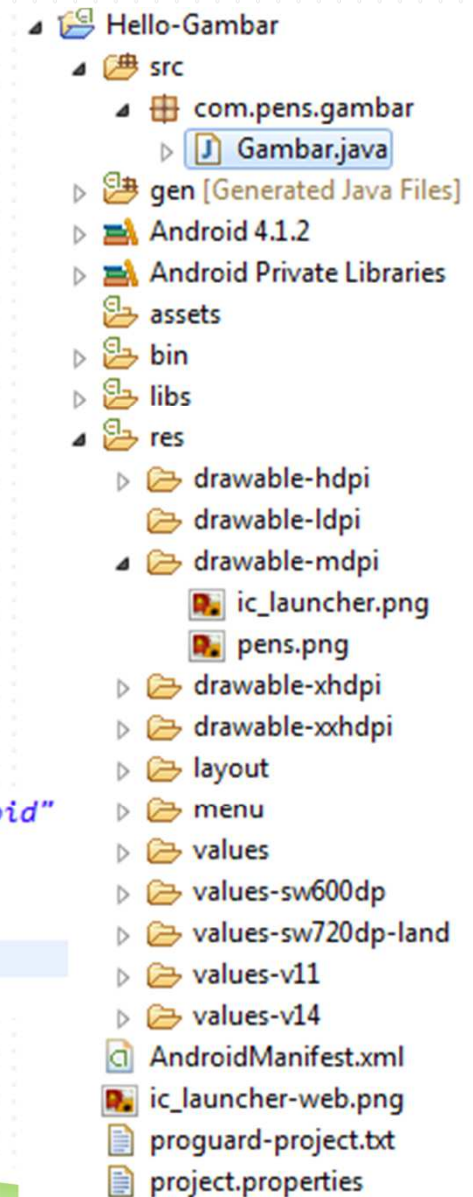
GAMBAR

- Pada file Gambar.java

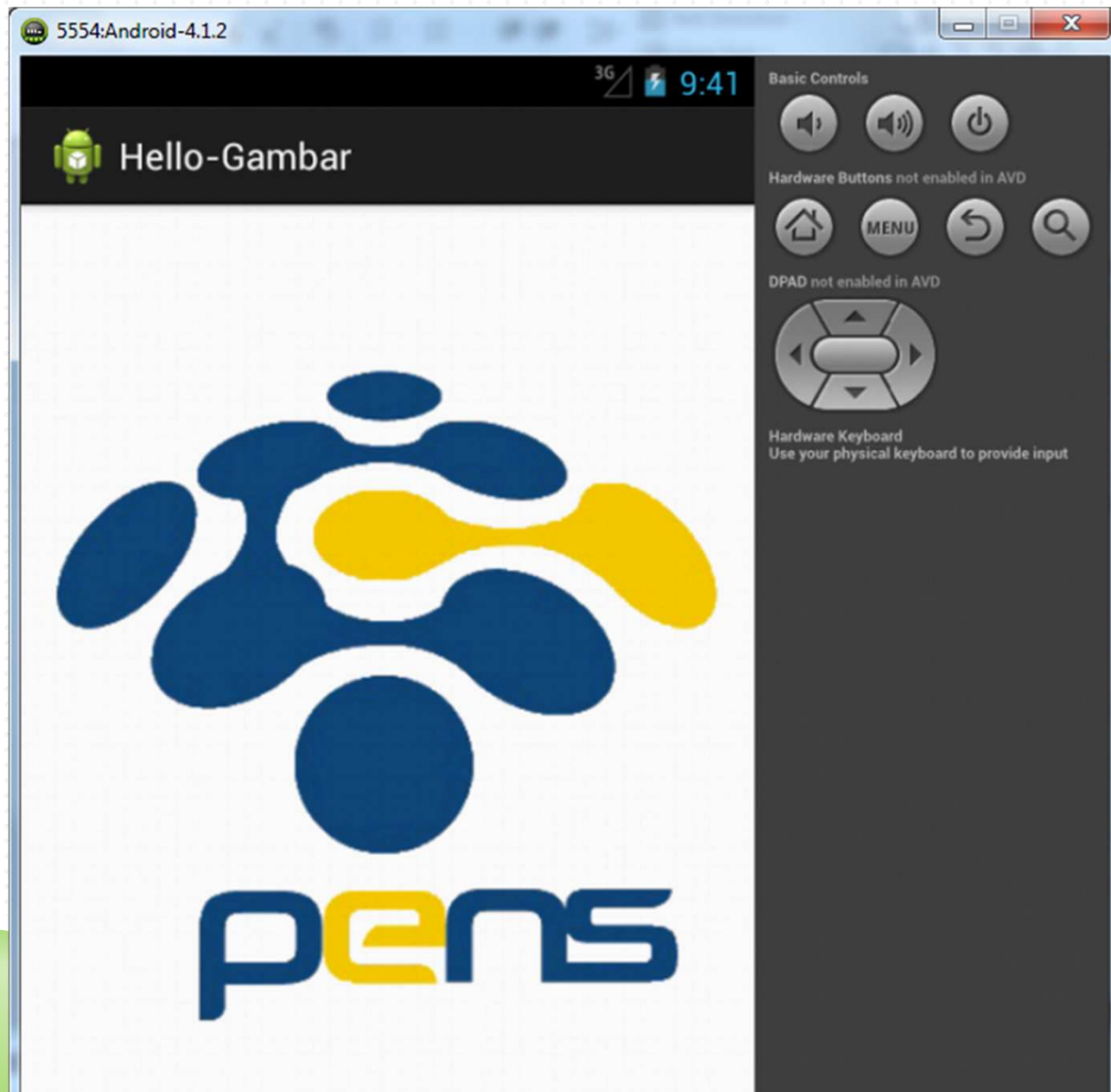
```
package com.pens.gambar;  
  
import android.os.Bundle;  
  
public class Gambar extends Activity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        ImageView pens = new ImageView(this);  
        pens.setImageResource(R.drawable.pens);  
        setContentView(pens);  
    }  
}
```

- File main.xml

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:orientation="vertical"  
    android:layout_width="fill_parent"  
    android:layout_height="fill_parent" >  
</LinearLayout>
```



GAMBAR



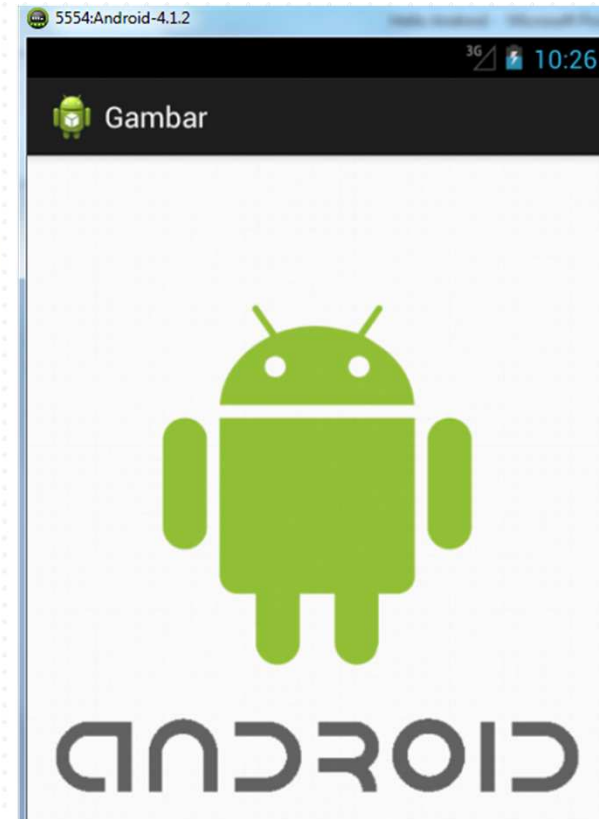
GAMBAR

- File Gambar.java

```
package com.pens.gambar;  
  
import android.os.Bundle;  
  
public class Gambar extends Activity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.main);  
    }  
}
```

- Pada file main.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:orientation="vertical"  
    android:layout_width="fill_parent"  
    android:layout_height="fill_parent" >  
  
    <ImageView android:id="@+id/imageview"  
        android:layout_width="fill_parent"  
        android:layout_height="fill_parent"  
        android:src="@drawable/android"  
    />  
  
</LinearLayout>
```



GABUNGAN

- Pada file main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:background="#ff00ff" >

    <TextView
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:textColor="#ffffff00"
        android:background="#ff0000ff"
        android:text="Internet Programming" />

    <TextView
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:textColor="#ffffff00"
        android:background="#ff0000ff"
        android:text="Politeknik Elektronika Negeri Surabaya" />

    <ImageView android:id="@+id/imageview"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:src="@drawable/logo_pens"
        />

</LinearLayout>
```


GABUNGAN

- File Gambar.java

```
package com.pens.gambar_2;  
  
import android.os.Bundle;  
  
public class Gambar extends Activity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.main);  
    }  
}
```

