LAPORAN PRAKTIKUM PENGEMBANGAN BERBASIS PLATFORM B2



PRAKTIKUM MANAJEMEN PENGEMBANGAN BERBASIS PLATFORM KE-11

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PRODI S-1 INFORMATIKA

FAKULTAS SAINS DAN MATEMATIKA

UNIVERSITAS DIPONEGORO

SEMARANG

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Praktikum 11: Android Style and Theme

Membuat Aplikasi Aplikasi Sederhana dengan memanfaatkan komponen Style dan Theme.

- 1. Membuka project "ViewandViews" yang sudah dibuat sebelumnya
- 2. Menambahkan resource color pada file color.xml

3. Mengubah warna tampilan di themes.xml dan themes.xml(night mode)

```
<resources xmlns:tools="http://schemas.android.com/tools">
   <!-- Base application theme. -->
   <style name="Theme.ViewandViews"</pre>
parent="Theme.MaterialComponents.DayNight.DarkActionBar">
       <!-- Primary brand color. -->
       <item name="colorPrimary">@color/gray</item>
       <item name="colorPrimaryVariant">@color/gray dark</item>
       <item name="colorOnPrimary">@color/white</item>
       <!-- Secondary brand color. -->
       <!-- Secondary brand color. -->
       <item name="colorSecondary">@color/orange light</item>
       <item name="colorSecondaryVariant">@color/orange dark</item>
       <item name="colorOnSecondary">@color/black</item>
       <!-- Status bar color. -->
       <!--<item
name="android:statusBarColor">?attr/colorPrimaryVariant</item>-->
       <item name="android:statusBarColor"</pre>
tools:targetApi="1">?attr/colorPrimaryVariant</item>
       <!-- Customize your theme here. -->
   </style>
   <style name="TextContent">
       <item name="android:layout width">wrap content</item>
       <item name="android:layout height">wrap content</item>
```

```
<item name="android:layout marginLeft">16dp</item>
       <item name="android:layout marginRight">16dp</item>
   </style>
   <style name="TextContent.Small">
name="android:textAppearance">@style/TextAppearance.MaterialComponents.Su
btitle1</item>
   </style>
   <style name="TextContent.Small.White">
       <item name="android:textColor">@android:color/white</item>
   <style name="TextContent.Subtitle">
       <item name="android:textColor">@color/colorSubtitle</item> <item</pre>
name="android:textSize">12sp</item>
   </style>
   <style name="TextSpec">
       <item name="android:textSize">14sp</item>
   <style name="TextSpec.Field">
       <item name="android:layout width">wrap content</item>
       <item name="android:layout height">wrap content</item>
       <item name="android:layout marginRight">16dp</item>
       <item name="android:textColor">@color/colorSubtitle</item>
   </style>
   <style name="TextSpec.Value">
   <item name="android:layout width">match parent</item>
   <item name="android:layout height">wrap content</item>
   <item name="android:layout weight">1</item>
   </style>
</resources>
```

themes.xml (night mode)

```
<resources xmlns:tools="http://schemas.android.com/tools">
   <!-- Base application theme. -->
   <style name="Theme.ViewandViews"</pre>
parent="Theme.MaterialComponents.DayNight.DarkActionBar">
       <!-- Primary brand color. -->
       <item name="colorPrimary">@color/gray light</item>
       <item name="colorPrimaryVariant">@color/gray</item>
       <item name="colorOnPrimary">@color/black</item>
       <!-- Secondary brand color. -->
       <item name="colorSecondary">@color/orange light</item>
       <item name="colorSecondaryVariant">@color/orange light</item>
       <item name="colorOnSecondary">@color/black</item>
       <!-- Status bar color. -->
       <item name="android:statusBarColor"</pre>
tools:targetApi="1">?attr/colorPrimaryVariant</item>
       <!-- Customize your theme here. -->
   </style>
</resources>
```

4. Konfigurasi warna pada activity_main.xml

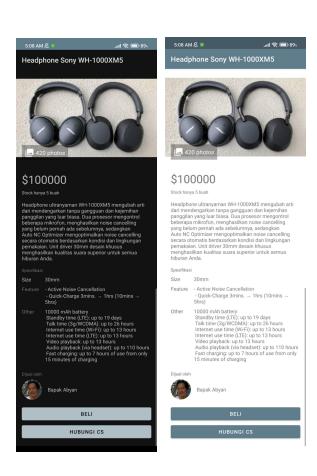
```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
  xmlns:app="http://schemas.android.com/apk/res-auto"
  android:layout width="match parent"
  android:layout height="match parent">
   <LinearLayout
       android:layout width="match parent"
       android:layout height="wrap content"
       android:orientation="vertical">
       <FrameLayout</pre>
           android:layout width="match parent"
           android:layout height="wrap content">
               android:layout width="match parent"
               android:layout height="270dp"
               android:adjustViewBounds="true"
               android:contentDescription="TODO"
               android:scaleType="fitCenter"
               android:src="@drawable/headset" />
           <TextView
               style="@style/TextContent.Small.White"
               android:layout gravity="bottom"
               android:layout marginStart="16dp"
               android:layout marginBottom="16dp"
               android:background="#4D000000"
               android:drawablePadding="4dp"
               android:gravity="center vertical"
               android:padding="8dp"
               android:text="@string/dummy photos"
app:drawableStartCompat="@drawable/ic collections white 18dp" />
           <TextView
               android:layout_width="wrap_content"
               android:layout height="44dp"
               android:layout gravity="bottom"
               android:layout marginStart="16dp"
               android:layout marginBottom="16dp"
               android:adjustViewBounds="true"
               android:background="#4D000000"
               android:drawablePadding="4dp"
               android:gravity="center vertical"
               android:padding="8dp"
               android:scaleType="fitCenter"
               android:text="@string/dummy_photos"
android:textAppearance="@style/TextAppearance.AppCompat.Small"
```

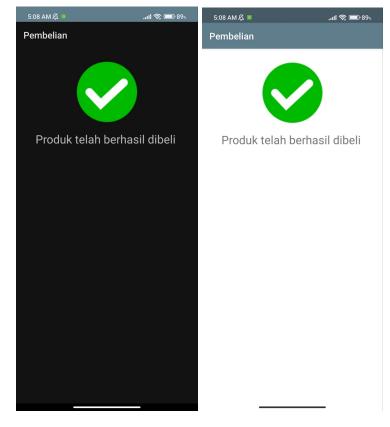
```
android:textColor="@android:color/white" />
</FrameLayout>
<TextView
    android:layout width="match parent"
    android:layout height="wrap content"
    android:layout marginLeft="16dp"
    android:layout marginRight="16dp"
    android:layout marginTop="16dp"
    android:layout marginBottom="8dp"
    android:text="@string/dummy value"
    android:textSize="32sp" />
<TextView
    android:layout width="match parent"
    android:layout height="wrap content"
    android:textSize="12sp"
    android:layout marginLeft="16dp"
    android:layout marginRight="16dp"
    android:layout marginBottom="16dp"
    android:text="@string/stock" />
<TextView
    android:layout width="match parent"
    android:layout height="wrap content"
    android:layout marginLeft="16dp"
    android:layout marginRight="16dp"
    android:layout marginBottom="16dp"
    android:lineSpacingMultiplier="1"
    android:text="@string/content text" />
<TextView
    style="@style/TextContent.Subtitle"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:textSize="12sp"
    android:layout marginLeft="16dp"
    android:layout marginRight="16dp"
    android:layout marginBottom="8dp"
    android:text="@string/specification" />
<TableLayout
    android:layout width="match parent"
    android:layout height="wrap content"
    android:layout marginLeft="16dp"
    android:layout marginRight="16dp"
    android:layout marginBottom="16dp">
    <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 marginEnd="16dp"
            android:text="@string/display" />
        <TextView
            android:layout width="match parent"
            android:layout height="wrap content"
            android:textSize="14sp"
            android:layout weight="1"
            android:text="@string/content specs display" />
    </TableRow>
    <TableRow
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout marginBottom="8dp">
        <TextView
            style="@style/TextSpec.Field"
            android:layout_width="wrap_content"
            android:layout height="wrap content"
            android:layout marginEnd="16dp"
            android:textSize="14sp"
            android:text="@string/size" />
        <TextView
            android:layout width="match parent"
            android:layout height="wrap content"
            android:layout weight="1"
            android:textSize="14sp"
            android:text="@string/content specs size" />
   </TableRow>
   <TableRow
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout marginBottom="8dp">
        <TextView style="@style/TextSpec.Field"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:layout marginEnd="16dp"
            android:textSize="14sp"
            android:text="@string/battery" />
        <TextView
            android:layout width="match parent"
            android:layout height="wrap content"
            android:layout weight="1"
            android:textSize="14sp"
            android:text="@string/content specs battery" />
   </TableRow>
</TableLayout>
<TextView
   style="@style/TextContent.Subtitle"
   android:layout width="match parent"
   android:layout height="wrap content"
   android:textSize="12sp"
```

```
android:layout marginLeft="16dp"
           android:layout marginRight="16dp"
           android:layout marginBottom="8dp"
           android:text="@string/seller" />
       <RelativeLayout
           android:layout width="match parent"
           android:layout height="wrap content"
           android:layout marginLeft="16dp"
           android:layout marginRight="16dp"
           android:layout marginBottom="16dp">
           <de.hdodenhof.circleimageview.CircleImageView</pre>
               android:id="@+id/profile image"
               android:layout width="56dp"
               android:layout height="56dp"
               android:layout centerVertical="true"
               android:layout marginEnd="16dp"
               android:src="@drawable/pak burhan" />
           <TextView
               android:layout width="match parent"
               android:layout height="wrap content"
               android:layout centerVertical="true"
               android:layout toEndOf="@+id/profile image"
               android:text="@string/my name" />
       </RelativeLayout>
       <Button
           android:id="@+id/btn beli"
           android:text="@string/buy"
           android:layout width="match parent"
           android:layout height="wrap content"
           android:layout marginLeft="16dp"
           android:layout marginRight="16dp"
           android:layout marginBottom="2dp" />
       <Button
           android:id="@+id/btn dial number"
           android:text="@string/hubungics"
           android:layout width="match parent"
           android:layout height="wrap content"
           android:layout marginLeft="16dp"
           android:layout marginRight="16dp"
           android:layout marginBottom="16dp" />
   </LinearLayout>
</ScrollView>
```

5. Tampilan Akhir





6. Mengatasi Bug Black Text pada Night Mode

Menambahkan pada *activity_main.xml*

```
android:textColor = "?android:textColorPrimary"
```

Menambahkan pada themes.xml (night)

```
<!-- Customize your theme here. -->
<item name="android:textColorPrimary">@color/white</item>
```

Menambahkan pada themes.xml

```
<!-- Customize your theme here. -->
<item name="android:textColorPrimary">@color/black</item>
```