**Android: Styles dan Theme**

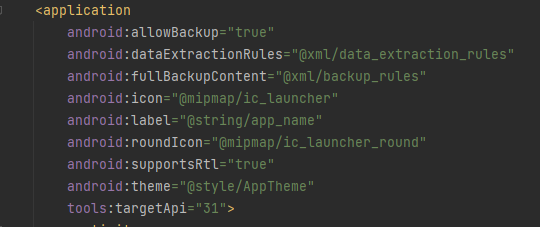
1. colors.xml

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| <?xml version="1.0" encoding="utf-8"?>  <resources>  <color name="gray">#607D8B</color>  <color name="gray\_light">#B0BEC5</color>  <color name="gray\_dark">#455A64</color>  <color name="orange">#FF5722</color>  <color name="orange\_light">#FFAB91</color>  <color name="orange\_dark">#E64A19</color>  <color name="purple\_200">#FFBB86FC</color>  <color name="purple\_500">#FF6200EE</color>  <color name="purple\_700">#FF3700B3</color>  <color name="teal\_200">#FF03DAC5</color>  <color name="teal\_700">#FF018786</color>  <color name="black">#FF000000</color>  <color name="white">#FFFFFFFF</color>  <color name="colorSubtitle">#757575</color>  </resources> |

Pada kode diatas ditambahkan warna gray, gray light dan dark, orange, orange light dan dark, black, white, dan juga colorSubtitle untuk pemanggilan pewarnaan bewarna silver di file themes. Warna-warna tersebut nantinya akan digunakan pada layout.

1. themes.xml

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| <resources xmlns:tools="http://schemas.android.com/tools">  <!-- Base application theme. -->  <style name="AppTheme" 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. -->  <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" tools:targetApi="l">?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">  <item name="android:textAppearance">@style/TextAppearance.MaterialComponents.Subtitle1</item>  </style>  <style name="TextContent.Small.White">  <item name="android:textColor">@android:color/white</item>  </style>  <style name="TextContent.Subtitle">  <item name="android:textColor">@color/colorSubtitle</item>  <item name="android:textSize">12sp</item>  </style>  <style name="TextSpec">  <item name="android:textSize">14sp</item>  </style>  <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> |

 Pada kode diatas diubah style namenya menjadi AppTheme lalu diubah juga pada AndroidManifest.xml seperti pada gambar di bawah.

Itu dilakukan untuk menangani bug yang terjadi ketika halaman ataupun handphone yang digunakan dijadikan darkmode, karena sebelumnya menggunakan name yang sama sehingga terjadi bug. Pada mode night nantinya juga akan diubah namanya agar tidak bertabrakan dengan yang light. Selanjutnya yang dilakukan yaitu membuat stylingnya yang berupa pemanggilan colors dari file xml colors untuk mewarnai bagian barnya. Selanjutnya, ada juga pembuatan style untuk mengatur margin, panjang dan tingginya, colors yang diambil dari file colors, dan juga size yang didefinisikan dengan name yang diikuti dengan pemanggilannya.

1. themes.xml (night)

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| <resources xmlns:tools="http://schemas.android.com/tools">  <!-- Base application theme. -->  <style name="DarkTheme" 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" tools:targetApi="l">?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">  <item name="android:textAppearance">@style/TextAppearance.MaterialComponents.Subtitle1</item>  </style>  <style name="TextContent.Small.White">  <item name="android:textColor">@android:color/white</item>  </style>  <style name="TextContent.Subtitle">  <item name="android:textColor">@color/colorSubtitle</item>  <item name="android:textSize">12sp</item>  </style>  <style name="TextSpec">  <item name="android:textSize">14sp</item>  </style>  <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>  <item name="android:textColor">@color/colorSubtitle</item>  </style>  </resources> |

Pada theme.xml (night) alias darkmodenya, sama seperti lightmode yaitu mengubah namanya menjadi DarkMode agar dapat membedakan antara light dan dark agar tidak bertabrakan dan menyebabkan bug.

1. activity\_main.xml

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| <?xml version="1.0" encoding="utf-8"?> <ScrollView xmlns:android="http://schemas.android.com/apk/res/android"  android:id="@+id/activity\_main"  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  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content">   <ImageView  android:layout\_width="match\_parent"  android:layout\_height="201dp"  android:adjustViewBounds="true"  android:contentDescription="@string/todo"  android:scaleType="fitCenter"  android:src="@drawable/redminote8pro" />   <TextView  style="@style/TextContent.Small.White"  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:drawableStart="@drawable/ic\_collections\_white\_18dp"  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  style="@style/TextContent.Subtitle"  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  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="16dp"  android:text="@string/stock" />   <TextView  style="@style/TextContent"  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  style="@style/TextSpec.Field"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:textSize="14sp"  android:layout\_marginEnd="16dp"  android:text="@string/display" />   <TextView  style="@style/TextSpec.Value"  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/platform" />   <TextView  style="@style/TextSpec.Value"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:textSize="14sp"  android:text="@string/content\_specs\_platform" />  </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/body" />   <TextView  style="@style/TextSpec.Value"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_weight="1"  android:textSize="14sp"  android:text="@string/content\_specs\_body" />  </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  style="@style/TextSpec.Value"  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  android:id="@+id/profile\_image"  android:layout\_width="56dp"  android:layout\_height="56dp"  android:layout\_centerVertical="true"  android:layout\_marginEnd="16dp"  android:src="@drawable/kaguya" />   <TextView  style="@style/TextContent"  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/buy"  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="16dp" />  <Button  android:id="@+id/cscall"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:layout\_marginLeft="16dp"  android:layout\_marginRight="16dp"  android:layout\_marginBottom="16dp"  android:text="@string/customer\_service" />  </LinearLayout> </ScrollView> |

Pada kode ini, diubah beberapa hal untuk dapat mengatasi bugnya, yang pertama yaitu menghapus line “android:background="@android:color/white"” pada bagian paling atas sebelum linear layout. Kemudian, style pada masing-masing textview disesuaikan dengan yang sudah didefinisikan pada theme sesuai dengan keperluan.

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| Lightmode | Darkmode |
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