

LAPORAN TUGAS APLIKASI MOBILE

“Membuat Desain UI Aplikasi Laundry”



Oleh:

**Octavio Yusda Wildani
NIM. 2211533020**

Dosen Pengampu:

Nurfiah, S.ST, M.Kom

**DEPARTEMEN INFORMATIKA
FAKULTAS TEKNOLOGI INFORMASI
UNIVERSITAS ANDALAS
PADANG
2024**

UI Aplikasi Laundry

A. LoginActivity

Java:

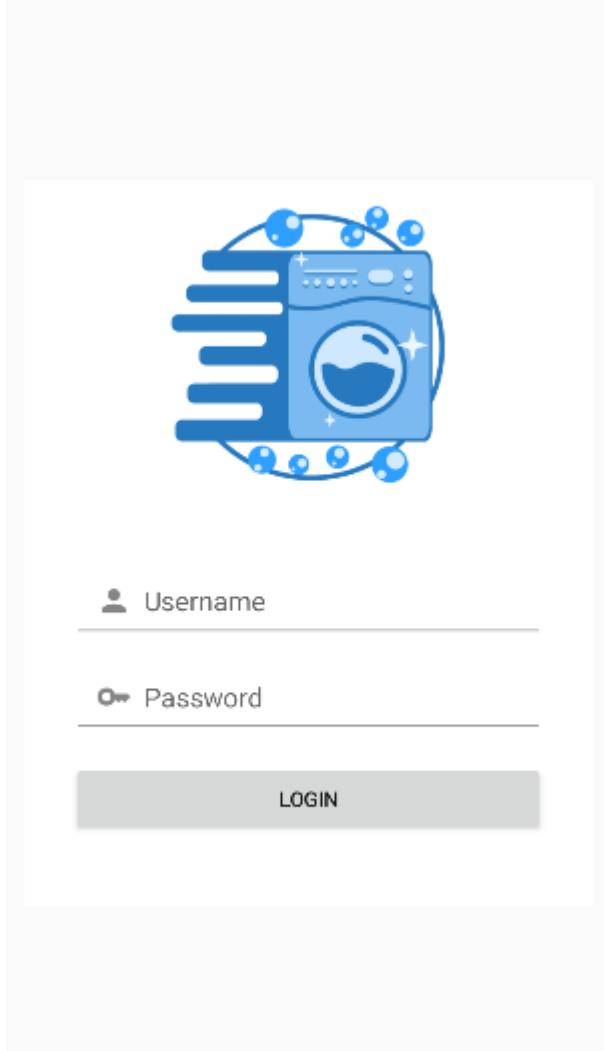
```
1 package id.my.lauvi.laundryapps;
2
3 > import ...
4
5
6 D<> public class LoginActivity extends AppCompatActivity {
7
8     @Override
9     protected void onCreate(Bundle savedInstanceState) {
10         super.onCreate(savedInstanceState);
11         EdgeToEdge.enable( $this$enableEdgeToEdge: this);
12         setContentView(R.layout.activity_login);
13         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
14             Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
15             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
16             return insets;
17         });
18     }
19 }
20
21
22
23
24 }
```

XML:

```
1 <?xml version="1.0" encoding="utf-8"?>
2 C <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:id="@+id/main"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".LoginActivity">
9     <LinearLayout
10         android:layout_width="match_parent"
11         android:layout_height="wrap_content"
12         android:layout_margin="16dp"
13         android:background="@color/white"
14         android:orientation="vertical"
15         app:layout_constraintBottom_toBottomOf="parent"
16         app:layout_constraintTop_toTopOf="parent"
17         app:layout_constraintVertical_bias="0.498"
18         tools:layout_editor_absoluteX="16dp">
19         <ImageView
20             android:layout_width="200dp"
21             android:layout_height="220dp"
22             android:layout_gravity="center"
23             android:src="@drawable/laundry" />
24         <LinearLayout
25             android:padding="16dp"
26             android:layout_width="match_parent"
27             android:layout_height="wrap_content"
28             android:layout_margin="16dp"
```

```
29     android:orientation="vertical">
30     <EditText
31         android:layout_width="match_parent"
32         android:layout_height="wrap_content"
33         android:drawableStart="@drawable/ic_username"
34         android:drawablePadding="8dp"
35         android:hint="Username"
36         android:padding="16dp" />
37     <EditText
38         android:layout_width="match_parent"
39         android:layout_height="wrap_content"
40         android:layout_marginTop="8dp"
41         android:drawableStart="@drawable/ic_password"
42         android:drawablePadding="8dp"
43         android:hint="Password"
44         android:padding="16dp" />
45     <Button
46         android:layout_width="match_parent"
47         android:layout_height="wrap_content"
48         android:layout_marginTop="16dp"
49         android:layout_marginBottom="16dp"
50         android:text="LOGIN" />
51     </LinearLayout>
52     </LinearLayout>
53 </androidx.constraintlayout.widget.ConstraintLayout>
```

Tampilan:



B. MainActivity

Java:

```
1 package id.my.lauvi.laundryapps;
2
3 > import ...
10
11 <> public class MainActivity extends AppCompatActivity {
12
13     @Override
14     protected void onCreate(Bundle savedInstanceState) {
15         super.onCreate(savedInstanceState);
16         EdgeToEdge.enable( $this$enableEdgeToEdge: this);
17         setContentView(R.layout.activity_main);
18         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
19             Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
20             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
21             return insets;
22         });
23     }
24 }
```

XML:

```
1 <?xml version="1.0" encoding="utf-8"?> ▲2 ▲1
2 @<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:id="@+id/main"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".MainActivity">
9
10    <FrameLayout
11        android:id="@+id/frameLayout"
12        android:layout_width="match_parent"
13        android:layout_height="150dp"
14        android:background="#FFC107"
15        app:layout_constraintStart_toStartOf="parent"
16        app:layout_constraintTop_toTopOf="parent">
17        <androidx.constraintlayout.widget.ConstraintLayout
18            android:layout_width="match_parent"
19            android:layout_height="match_parent">
20            <TextView
21                android:id="@+id/textView2"
22                android:layout_width="wrap_content"
23                android:layout_height="wrap_content"
24                android:layout_marginStart="16dp"
25                android:layout_marginTop="44dp"
26                android:text="DASHBOARD"
27                android:textColor="@color/white"
28                android:textSize="25sp"
```

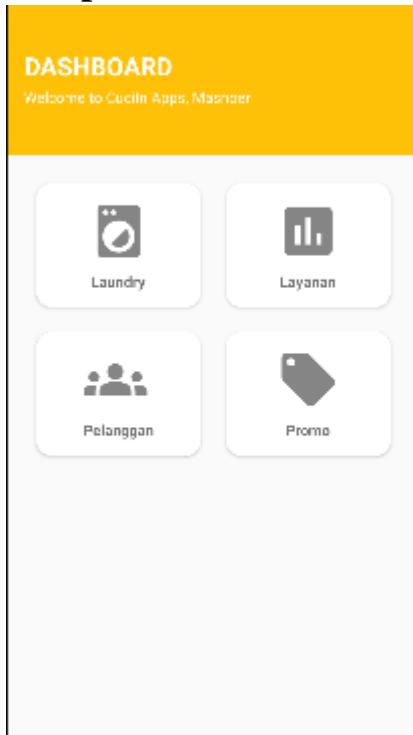
```
29         android:textStyle="bold"
30         app:layout_constraintStart_toStartOf="parent"
31         app:layout_constraintTop_toTopOf="parent" />
32     <TextView
33         android:id="@+id/textView3"
34         android:layout_width="wrap_content"
35         android:layout_height="wrap_content"
36         android:layout_marginStart="16dp"
37         android:layout_marginTop="4dp"
38         android:text="Welcome to CuciIn Apps, Masnoen"
39         android:textColor="@color/white"
40         android:textSize="15sp"
41         app:layout_constraintStart_toStartOf="parent"
42         app:layout_constraintTop_toBottomOf="@+id/textView2"
43         />
44     </androidx.constraintlayout.widget.ConstraintLayout>
45 </FrameLayout>
46 <LinearLayout
47     android:layout_width="match_parent"
48     android:layout_height="match_parent"
49     android:layout_marginTop="150dp"
50     android:orientation="vertical"
51     android:padding="16dp"
52     app:layout_constraintBottom_toBottomOf="parent"
53     app:layout_constraintTop_toTopOf="parent"
54     app:layout_constraintVertical_bias="0.0"
55     tools:layout_editor_absoluteX="0dp">
56     <LinearLayout
57         android:layout_width="match_parent"
58         android:layout_height="wrap_content"
59         android:weightSum="2"
60         android:orientation="horizontal">
61         <androidx.cardview.widget.CardView
62             android:layout_width="match_parent"
63             android:layout_height="wrap_content"
64             android:layout_margin="12dp"
65             android:layout_weight="1"
66             app:cardCornerRadius="16dp">
67             <LinearLayout
68                 android:layout_width="wrap_content"
69                 android:layout_height="wrap_content"
70                 android:layout_gravity="center"
71                 android:orientation="vertical"
72                 android:padding="16dp">
73                 <ImageView
74                     android:layout_width="64dp"
75                     android:layout_height="64dp"
76                     android:src="@drawable/ic_laundry" />
77                 <TextView
78                     android:textStyle="bold"
```

```
79         android:layout_width="wrap_content"
80         android:layout_marginTop="8dp"
81         android:layout_height="match_parent"
82         android:layout_gravity="center"
83         android:text="Laundry"
84         android:textSize="15sp" />
85     </LinearLayout>
86 </androidx.cardview.widget.CardView>
87 <androidx.cardview.widget.CardView
88     android:layout_width="match_parent"
89     android:layout_height="wrap_content"
90     android:layout_margin="12dp"
91     android:layout_weight="1"
92     app:cardCornerRadius="16dp">
93     <LinearLayout
94         android:layout_width="wrap_content"
95         android:layout_height="wrap_content"
96         android:layout_gravity="center"
97         android:orientation="vertical"
98         android:padding="16dp">
99         <ImageView
100             android:layout_width="64dp"
101             android:layout_height="64dp"
102             android:src="@drawable/ic_service" />
103         <TextView
104             android:textStyle="bold"
105             android:layout_marginTop="8dp"
106             android:layout_width="wrap_content"
107             android:layout_height="match_parent"
108             android:layout_gravity="center"
109             android:text="Layanan"
110             android:textSize="15sp" />
111     </LinearLayout>
112 </androidx.cardview.widget.CardView>
113 </LinearLayout>
114 <LinearLayout
115     android:layout_width="match_parent"
116     android:layout_height="wrap_content"
117     android:weightSum="2"
118     android:orientation="horizontal">
119         <androidx.cardview.widget.CardView
120             android:layout_width="match_parent"
121             android:layout_height="wrap_content"
122             android:layout_margin="12dp"
123             android:layout_weight="1"
124             app:cardCornerRadius="16dp">
```

```
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
```

```
    app:cardCornerRadius="16dp">
    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:orientation="vertical"
        android:padding="16dp">
        <ImageView
            android:layout_width="64dp"
            android:layout_height="64dp"
            android:src="@drawable/ic_pelanggan" />
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_marginTop="8dp"
            android:text="Pelanggan"
            android:textSize="15sp"
            android:textStyle="bold" />
    </LinearLayout>
</androidx.cardview.widget.CardView>
<androidx.cardview.widget.CardView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="12dp"
    android:layout_weight="1"
    app:cardCornerRadius="16dp">
    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:orientation="vertical"
        android:padding="16dp">
        <ImageView
            android:layout_width="64dp"
            android:layout_height="64dp"
            android:src="@drawable/ic_promo" />
        <TextView
            android:textStyle="bold"
            android:layout_marginTop="8dp"
            android:layout_width="wrap_content"
            android:layout_height="match_parent"
            android:layout_gravity="center"
            android:text="Promo"
            android:textSize="15sp" />
    </LinearLayout>
</androidx.cardview.widget.CardView>
</LinearLayout>
</LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

Tampilan:



C. LaundryActivity

Java:

```
1 package id.my.lauvi.laundryapps;
2
3 > import ...
10
11 <> public class LaundryActivity extends AppCompatActivity {
12
13     @Override
14     protected void onCreate(Bundle savedInstanceState) {
15         super.onCreate(savedInstanceState);
16         EdgeToEdge.enable( $this$enableEdgeToEdge: this);
17         setContentView(R.layout.activity_laundry);
18         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
19             Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
20             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
21             return insets;
22         });
23     }
24 }
```

XML:

```
1  <?xml version="1.0" encoding="utf-8"?>
2  @<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:id="@+id/main"
6      android:layout_width="match_parent"
7      android:layout_height="match_parent"
8      tools:context=".LaundryActivity">
9
10     <LinearLayout
11         android:layout_width="match_parent"
12         android:layout_height="match_parent"
13         android:orientation="vertical"
14         android:padding="16dp"
15         android:background="@color/ivory">
16
17         <Button
18             android:id="@+id/button2"
19             android:layout_width="150dp"
20             android:layout_height="wrap_content"
21             android:layout_marginTop="16dp"
22             android:layout_marginLeft="16dp"
23             android:text="TRANSAKSI"
24             android:textSize="15sp"
25             android:textColor="@color/white"
26             android:background="@color/hijau1"/>
27
28     <LinearLayout
29         android:layout_width="match_parent"
30         android:layout_height="match_parent"
31         android:layout_marginTop="20dp"
32         android:orientation="vertical"
33         android:padding="10dp"
34         app:layout_constraintBottom_toBottomOf="parent"
35         app:layout_constraintTop_toTopOf="parent"
36         app:layout_constraintVertical_bias="0.0"
37         tools:layout_editor_absoluteX="0dp">
38
39         <LinearLayout
40             android:layout_width="match_parent"
41             android:layout_height="wrap_content"
42             android:orientation="horizontal">
43
44             <androidx.cardview.widget.CardView
45                 android:layout_width="match_parent"
46                 android:layout_height="wrap_content"
47                 android:layout_weight="1"
48                 app:cardBackgroundColor="@color/hijau1"
49                 app:cardCornerRadius="16dp">
50
51                 <FrameLayout
52                     android:layout_width="130dp"
53                     android:layout_height="30dp"
```

```
54 ■
55
56
57
58
59
60
61
62
63
64
65
66
67 ■
68
69
70
71
72
73
74
75
76
77
78
79 ■
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94 ■
95
96
97
98
99
100
```

```
        android:background="@color/hijau2"
        android:layout_marginTop="15dp"
        android:layout_marginLeft="15dp"
        android:layout_marginBottom="12dp">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginLeft="12dp"
        android:text="PAID- Rp. 20.000"
        android:textSize="12dp"
        android:textColor="@color/white"
        android:textStyle="bold" />
</FrameLayout>

<TextView
    android:id="@+id/textview4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="48dp"
    android:layout_marginBottom="10dp"
    android:text="TRX - 000001"
    android:textColor="@color/hijau2"
    android:textSize="18dp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"/>

<TextView
    android:id="@+id/textview5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="right"
    android:layout_marginRight="12dp"
    android:layout_marginTop="48dp"
    android:layout_marginBottom="10dp"
    android:text="Senin 10-09-2024"
    android:textColor="@color/white"
    android:textSize="18dp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textview4"/>

<TextView
```

```
101    android:id="@+id/textview6"
102    android:layout_width="wrap_content"
103    android:layout_height="wrap_content"
104    android:layout_marginLeft="15dp"
105    android:layout_marginTop="78dp"
106    android:layout_marginBottom="16dp"
107    android:text="Fulan"
108    android:textColor="@color/white"
109    android:textSize="18dp"
110    app:layout_constraintStart_toStartOf="parent"
111    app:layout_constraintTop_toBottomOf="@+id/textview4" />
112  </androidx.cardview.widget.CardView>
113</LinearLayout>
114
115<LinearLayout
116    android:layout_width="match_parent"
117    android:layout_height="wrap_content"
118    android:orientation="horizontal">
119
120  <androidx.cardview.widget.CardView
121      android:layout_width="match_parent"
122      android:layout_height="wrap_content"
123      android:layout_marginTop="12dp"
124      android:layout_marginTop="12dp"
125      android:layout_weight="1"
126      app:cardBackgroundColor="@color/hijau1"
127      app:cardCornerRadius="16dp">
128
129  <FrameLayout
130      android:layout_width="130dp"
131      android:layout_height="30dp"
132      android:background="@color/hijau2"
133      android:layout_marginTop="15dp"
134      android:layout_marginLeft="15dp"
135      android:layout_marginBottom="12dp">
136
137  <TextView
138      android:id="@+id/textView8"
139      android:layout_width="match_parent"
140      android:layout_height="wrap_content"
141      android:layout_gravity="center"
142      android:layout_marginLeft="12dp"
143      android:text="PAID- Rp. 20.000"
144      android:textSize="12dp"
145      android:textColor="@color/white"
146      android:textStyle="bold" />
```

```
147 </FrameLayout>
148
149     <TextView
150         android:id="@+id/textview9"
151         android:layout_width="wrap_content"
152         android:layout_height="wrap_content"
153         android:layout_marginLeft="15dp"
154         android:layout_marginTop="48dp"
155         android:layout_marginBottom="10dp"
156         android:text="TRX - 000001"
157         ■
158         android:textColor="@color/hijau2"
159         android:textSize="18dp"
160         android:textStyle="bold"
161         app:layout_constraintStart_toStartOf="parent"
162         app:layout_constraintTop_toTopOf="parent"/>
163
164     <TextView
165         android:id="@+id/textview10"
166         android:layout_width="wrap_content"
167         android:layout_height="wrap_content"
168         android:layout_gravity="right"
169         android:layout_marginRight="12dp"
170         android:layout_marginTop="48dp"
171         android:layout_marginBottom="10dp"
172         ■
173         android:text="Senin 10-09-2024"
174         android:textColor="@color/white"
175         android:textSize="18dp"
176         android:textStyle="bold"
177         app:layout_constraintStart_toStartOf="parent"
178         app:layout_constraintTop_toTopOf="@+id/textview4"/>
179
180     <TextView
181         android:id="@+id/textview11"
182         android:layout_width="wrap_content"
183         android:layout_height="wrap_content"
184         android:layout_marginLeft="15dp"
185         android:layout_marginTop="78dp"
186         android:layout_marginBottom="16dp"
187         ■
188         android:text="Unknown"
189         android:textColor="@color/white"
190         android:textSize="18dp"
191         app:layout_constraintStart_toStartOf="parent"
192         app:layout_constraintTop_toBottomOf="@+id/textview9"/>
193     </androidx.cardview.widget.CardView>
194     </LinearLayout>
195     </LinearLayout>
196 </LinearLayout>
```

Tampilan:



D. DetailLaundryActivity

Java:

```
 1  package id.my.lauvi.laundryapps;
 2
 3  > import ...
 4
 5
 6  public class DetailLaundryActivity extends AppCompatActivity {
 7
 8
 9      @Override
10      protected void onCreate(Bundle savedInstanceState) {
11          super.onCreate(savedInstanceState);
12          EdgeToEdge.enable( $this$enableEdgeToEdge: this);
13          setContentView(R.layout.activity_detail_laundry);
14          ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
15              Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
16              v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
17              return insets;
18          });
19      }
20  }
```

XML:

```
1  <?xml version="1.0" encoding="utf-8"?>
2  © <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:id="@+id/main"
6      android:layout_width="match_parent"
7      android:layout_height="match_parent"
8      tools:context=".DetailLaundryActivity">
9
10     <LinearLayout
11         android:layout_width="413dp"
12         android:layout_height="729dp"
13         android:orientation="vertical"
14         android:padding="@dimen/lg"
15         android:background="@color/ivory"
16         app:layout_constraintBottom_toBottomOf="parent"
17         app:layout_constraintStart_toStartOf="parent"
18         app:layout_constraintTop_toTopOf="parent">
19
20         <LinearLayout
21             android:layout_width="match_parent"
22             android:layout_height="wrap_content"
23             android:layout_margin="@dimen/xs"
24             android:orientation="vertical"
25             android:padding="@dimen/xs"
26             android:background="@color/white">
27
28             <TextView
29                 android:id="@+id/user1"
30                 android:layout_width="wrap_content"
31                 android:layout_height="wrap_content"
32                 android:paddingStart="4dp"
33                 android:text="Fulan"
34                 android:textColor="#000"
35                 android:textSize="16sp"
36                 android:textStyle="bold"/>
37
38             <RelativeLayout
39                 android:layout_width="match_parent"
40                 android:layout_height="wrap_content">
41
42                 <TextView
43                     android:id="@+id/textView1"
44                     android:layout_width="wrap_content"
45                     android:layout_height="wrap_content"
46                     android:padding="@dimen/xs"
47                     android:text="TRX - 000001"
48                     android:textColor="@color/black"
49                     android:textSize="12sp" />
50
51                 <TextView
52                     android:id="@+id/textView2"
53                     android:layout_width="152dp"
```

```
54         android:layout_height="37dp"
55         android:layout_alignParentEnd="true"
56         android:layout_gravity="end"
57         android:layout_marginStart="126dp"
58         android:layout_marginEnd="3dp"
59         android:layout_toEndOf="@+id/textView1"
60         android:padding="@dimen/xs"
61         android:text="Senin 09 September 2024"
62         android:textColor="@color/black"
63         android:textSize="12sp" />
64     
```

```
65 
```

```
66     <TextView
67         android:id="@+id/textView3"
68         android:layout_width="wrap_content"
69         android:layout_height="wrap_content"
70         android:background="#d72715"
71         android:paddingStart="@dimen/xs"
72         android:paddingEnd="@dimen/xs"
73         android:text="Rp. 30.000 - UNPAID - PROSES"
74         android:textColor="#fff"
75         android:textSize="12sp" />
76     
```

```
77 
```

```
78 
```

```
79     <RelativeLayout
80         android:layout_width="wrap_content"
81         android:layout_height="wrap_content"
82         android:layout_margin="@dimen/xs"
83         android:padding="@dimen/xs"
84         android:background="@color/white">
85 
86         <TextView
87             android:id="@+id/cucisetrika"
88             android:layout_width="wrap_content"
89             android:layout_height="wrap_content"
90             android:layout_marginStart="16dp"
91             android:layout_marginTop="20dp"
92             android:padding="4dp"
93             android:text="CUCI SETRIKA"
94             android:textColor="@color/white"
95             android:textSize="15sp"
96             android:textStyle="bold"
97             android:background="@color/hijau2"/>
98 
99         <TextView
100            android:id="@+id/harga1"
```

```
101     android:layout_width="wrap_content"
102     android:layout_height="wrap_content"
103     android:layout_below="@+id/cucisetrika"
104     android:layout_marginStart="16dp"
105     android:padding="@dimen/xs"
106     android:text="Rp.0000/kg"
107     android:textSize="12sp" />
108
109
110     <androidx.cardview.widget.CardView
111         android:layout_width="40dp"
112         android:layout_height="40dp"
113         android:layout_alignParentEnd="true"
114         android:layout_centerVertical="true"
115         android:layout_marginEnd="16dp"
116         app:cardBackgroundColor="#FFFFFF"
117         app:cardCornerRadius="5dp"
118         app:cardElevation="2dp">
119
120         <EditText
121             android:layout_width="match_parent"
122             android:layout_height="match_parent"
123             android:gravity="center"
124             android:inputType="number"
125             android:text="0"
126             android:textColor="@color/white"
127             android:textSize="10sp"
128             android:textStyle="bold"
129             android:background="@color/hijau2"/>
130     </androidx.cardview.widget.CardView>
131
132     <RelativeLayout
133         android:layout_width="wrap_content"
134         android:layout_height="wrap_content"
135         android:layout_margin="@dimen/xs"
136         android:padding="@dimen/xs"
137         android:background="@color/white">
138
139         <TextView
140             android:id="@+id/jasa"
141             android:layout_width="wrap_content"
142             android:layout_height="wrap_content"
143             android:layout_marginStart="16dp"
144             android:layout_marginTop="20dp"
145             android:padding="4dp"
146             android:text="SETRIKA"
147             android:textColor="@color/white"
148             android:textSize="15sp"
149             android:textStyle="bold"
```

```
149
150 ■
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168 ■
169
170
171
172
173
174
175
176
177
178 ■
179
180
181 ■
182
183
184
185
186
187
188
189
190 ■
191
192
193
194
195
    android:textStyle="bold"
    android:background="@color/hijau2"/>

    <TextView
        android:id="@+id/jasa2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/jasa"
        android:layout_marginStart="16dp"
        android:padding="@dimen/xs"
        android:text="Rp. 4000/Kg"
        android:textSize="13sp" />

<androidx.cardview.widget.CardView
    android:layout_width="40dp"
    android:layout_height="40dp"
    android:layout_alignParentEnd="true"
    android:layout_centerVertical="true"
    android:layout_marginEnd="16dp"
    app:cardBackgroundColor="#FFFFFF"
    app:cardCornerRadius="5dp"
    app:cardElevation="2dp">

    <EditText
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:gravity="center"
        android:inputType="number"
        android:text="0"
        android:textColor="@color/white"
        android:textSize="16sp"
        android:textStyle="bold"
        android:background="@color/hijau2"/>
    </androidx.cardview.widget.CardView>
</RelativeLayout>

<RelativeLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_margin="@dimen/xs"
    android:padding="@dimen/xs"
    android:background="@color/white">

    <TextView
        android:id="@+id/jasa3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
196
197
198
199
200 ■
201
202
203 ■
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221 ■
222
223
224
225
226
227
228
229
230
231 ■
232
233
234 ■
235
236
237
238
239
240
241
242
    android:layout_marginStart="16dp"
    android:layout_marginTop="20dp"
    android:padding="4dp"
    android:text="CUCI"
    android:textColor="@color/white"
    android:textSize="15sp"
    android:textStyle="bold"
    android:background="@color/hijau2"/>

```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/jasa3"
    android:layout_marginStart="16dp"
    android:padding="@dimen/xs"
    android:text="Rp. 4000/Km"
    android:textSize="14sp" />
```

```
<androidx.cardview.widget.CardView
    android:layout_width="40dp"
    android:layout_height="40dp"
    android:layout_alignParentEnd="true"
    android:layout_centerVertical="true"
    android:layout_marginEnd="16dp"
    app:cardBackgroundColor="#FFFFFF"
    app:cardCornerRadius="5dp"
    app:cardElevation="2dp">
```

```
<EditText
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:gravity="center"
    android:inputType="number"
    android:text="0"
    android:textColor="@color/white"
    android:textSize="16sp"
    android:textStyle="bold"
    android:background="@color/hijau2"/>
</androidx.cardview.widget.CardView>
</RelativeLayout>
```

```
<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="126dp"
    android:layout_margin="@dimen/xs"
    android:padding="@dimen/xs">
```

```
244     <TextView  
245         android:id="@+id/payment"  
246         android:layout_width="match_parent"  
247         android:layout_height="wrap_content"  
248         android:padding="@dimen/sm"  
249         android:text="PEMBAYARAN"  
250         android:textColor="@color/hijau1"  
251         android:textSize="18sp"  
252         android:textStyle="bold" />  
253  
254     <RelativeLayout  
255         android:layout_width="match_parent"  
256         android:layout_height="wrap_content"  
257         android:layout_below="@+id/payment">  
258  
259         <TextView  
260             android:id="@+id/pembayaran"  
261             android:layout_width="157dp"  
262             android:layout_height="wrap_content"  
263             android:padding="@dimen/xs"  
264             android:paddingStart="@dimen/xs"  
265             android:text="Bayar"  
266             android:textSize="14sp" />  
267  
268         <TextView  
269             android:id="@+id/kembalian"  
270             android:layout_width="157dp"  
271             android:layout_height="wrap_content"  
272             android:layout_alignParentEnd="true"  
273             android:padding="@dimen/xs"  
274             android:text="Kembalian"  
275             android:textSize="14sp" />  
276  
277         <androidx.cardview.widget.CardView  
278             android:layout_width="155dp"  
279             android:layout_height="33dp"  
280             android:layout_below="@+id/pembayaran"  
281             android:layout_marginStart="3dp"  
282             android:layout_marginTop="8dp"  
283             android:layout_marginEnd="3dp"  
284             android:layout_marginBottom="8dp"  
285             app:cardBackgroundColor="#FFFFFF"  
286             app:cardCornerRadius="10dp"  
287             app:cardElevation="5dp">  
288  
289         <TextView  
290             android:layout_width="155dp"  
291             android:layout_height="match_parent"
```

```
292
293
294
295 ■
296
297
298
299
300
301
302
303
304
305
306
307
308
309 ■
310
311
312
313
314
315
316
317
318
319 ■
320
321
322
323
324
325
326
327
328 ■
329
330
331
332
333
334
335
336
337
338
339 ■
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
```

```
        android:gravity="center"
        android:inputType="number"
        android:text="0"
        android:textColor="#9d9d9d"
        android:textSize="16sp"
        android:textStyle="bold" />
    </androidx.cardview.widget.CardView>

    <androidx.cardview.widget.CardView
        android:layout_width="155dp"
        android:layout_height="33dp"
        android:layout_below="@+id/kembalian"
        android:layout_alignParentEnd="true"
        android:layout_marginStart="3dp"
        android:layout_marginTop="8dp"
        android:layout_marginEnd="5dp"
        android:layout_marginBottom="8dp"
        app:cardBackgroundColor="#FFFFFF"
        app:cardCornerRadius="10dp"
        app:cardElevation="5dp">

        <TextView
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:gravity="center"
            android:inputType="number"
            android:text="0"
            android:textColor="#9d9d9d"
            android:textSize="16sp"
            android:textStyle="bold" />
    </androidx.cardview.widget.CardView>
</RelativeLayout>
</RelativeLayout>

<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="@dimen/xs"
    android:orientation="vertical"
    android:padding="@dimen/xs">

    <TextView
        android:id="@+id/status3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:padding="@dimen/xs"
        android:text="STATUS"
        android:textColor="@color/hijau1"
        android:textSize="16sp"
        android:textStyle="bold" />

    <RadioButton
        android:id="@+id/radioButton_proses"
        android:layout_width="92dp"
        android:layout_height="40dp"
        android:layout_marginTop="30dp"
        android:text="PROSES"
        android:textSize="12sp" />

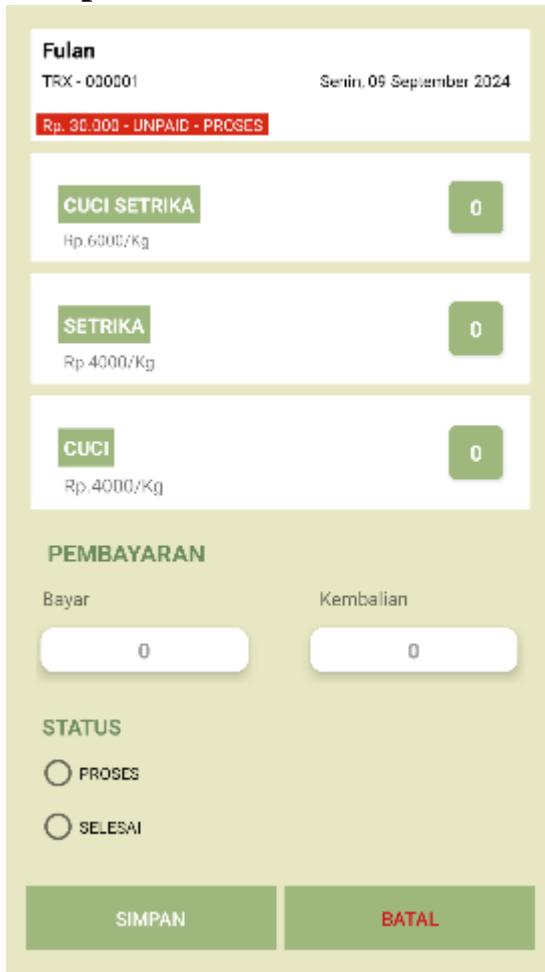
    <RadioButton
        android:id="@+id/radioButton_selesai"
        android:layout_width="92dp"
        android:layout_height="40dp"
        android:layout_below="@+id/radioButton_proses"
        android:text="SELESAI"
        android:textSize="12sp" />
```

```

361      <RelativeLayout
362          android:layout_width="match_parent"
363          android:layout_height="wrap_content"
364          android:paddingTop="@dimen/lg">
365              <Button
366                  android:id="@+id/button_simpan"
367                  android:layout_width="187dp"
368                  android:layout_height="wrap_content"
369                  android:text="SIMPAN"
370                  android:textColor="@color/white"
371                  android:background="@color/hijau2" />
372
373              <Button
374                  android:id="@+id/button_batal"
375                  android:layout_width="187dp"
376                  android:layout_height="wrap_content"
377                  android:text="BATAL"
378                  android:textColor="@color/red"
379                  android:layout_alignParentEnd="true"
380                  android:background="@color/hijau2"/>
381          </RelativeLayout>
382      </LinearLayout>
383  </androidx.constraintlayout.widget.ConstraintLayout>

```

Tampilan:

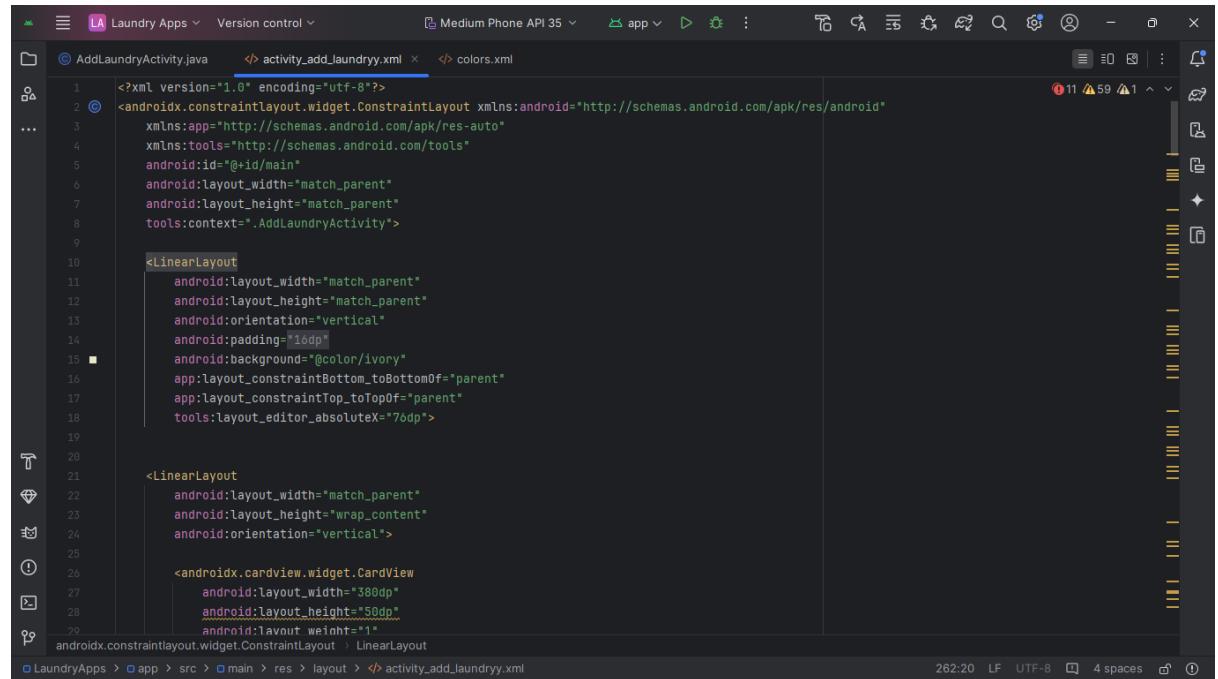


E. AddLaundryActivity

Java:

```
1 package id.my.lauvi.laundryapps;
2
3 > import ...
10
11 <> public class AddLaundryActivity extends AppCompatActivity {
12
13     @Override
14     protected void onCreate(Bundle savedInstanceState) {
15         super.onCreate(savedInstanceState);
16         EdgeToEdge.enable( $this$enableEdgeToEdge: this);
17         setContentView(R.layout.activity_add_laundryy);
18         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
19             Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
20             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
21             return insets;
22         });
23     }
24 }
```

XML:



The screenshot shows the Android Studio code editor with the file `activity_add_laundryy.xml` open. The code defines a ConstraintLayout with two nested LinearLayouts and a CardView.

```
<?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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".AddLaundryActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        android:padding="16dp"
        android:background="@color/ivory"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        tools:layout_editor_absoluteX="76dp">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical">

                <androidx.cardview.widget.CardView
                    android:layout_width="380dp"
                    android:layout_height="50dp"
                    android:layout_weight="1" />
            </androidx.cardview.widget.CardView>
        </LinearLayout>
    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android">
    <LinearLayout>
        <LinearLayout
            android:layout_weight="1"
            app:cardBackgroundColor="@color/white"
            app:cardCornerRadius="15dp">
            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginLeft="16dp"
                android:layout_marginTop="15dp"
                android:drawableStart="@drawable/ic_username"
                android:text="Pelanggan"
                android:textColor="@android:color/black"
                android:textSize="18dp"
                android:textStyle="bold" />
        </LinearLayout>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="12dp"
            android:orientation="vertical">
<androidx.constraintlayout.widget.ConstraintLayout>
```



```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android">
    <LinearLayout>
        <LinearLayout
            android:layout_width="380dp"
            android:layout_height="80dp"
            android:layout_weight="1"
            app:cardBackgroundColor="@color/white"
            app:cardCornerRadius="15dp">
            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginLeft="16dp"
                android:layout_marginTop="10dp"
                android:text="Cuci Setrika"
                android:textColor="@android:color/white"
                android:textSize="18dp"
                android:textStyle="bold"
                android:background="@color/hijau2" />
            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginLeft="16dp"
                android:layout_marginTop="40dp"
                android:text="Rp. 6.000/kg"
                android:textColor="@color/abu"
                android:textSize="15dp" />
<androidx.constraintlayout.widget.ConstraintLayout>
```

The image shows two side-by-side screenshots of the Android Studio code editor. Both screenshots display the same XML layout file, `activity_add_laundryy.xml`, which is part of the `AddLaundryActivity.java` class. The XML code defines a UI structure with a ConstraintLayout containing several TextViews and CardViews.

Top Screenshot:

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            <androidx.cardview.widget.CardView
                <TextView
                    android:textColor="@color/app"
                    android:textSize="15dp"
                    android:textStyle="bold" />

                <TextView
                    android:layout_width="53dp"
                    android:layout_height="49dp"
                    android:layout_gravity="right"
                    android:layout_marginTop="15dp"
                    android:layout_marginRight="30dp"
                    android:layout_weight="1"
                    android:background="@color/hijau2"
                    android:gravity="center"
                    android:text=""
                    android:textColor="@color/white"
                    android:textSize="16sp"
                    android:textStyle="bold" />
            </androidx.cardview.widget.CardView>
        </LinearLayout>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="12dp"
        </androidx.constraintlayout.widget.ConstraintLayout> <LinearLayout> <LinearLayout>
```

Bottom Screenshot:

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            android:layout_marginTop="12dp"
            android:orientation="vertical">

                <androidx.cardview.widget.CardView
                    android:layout_width="380dp"
                    android:layout_height="80dp"
                    android:layout_weight="1"
                    app:cardBackgroundColor="@color/white"
                    app:cardCornerRadius="15dp">

                    <TextView
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:layout_marginLeft="16dp"
                        android:layout_marginTop="10dp"
                        android:text="Setrika"
                        android:textColor="@android:color/white"
                        android:textSize="18dp"
                        android:textStyle="bold"
                        android:background="@color/hijau2"/>
                    <TextView
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:layout_marginLeft="16dp"
                        android:layout_marginTop="40dp"
                        android:text="Rp. 4.000/Kn"
                        android:background="@color/hijau2"/>
                </androidx.cardview.widget.CardView>
            </LinearLayout>
        </LinearLayout>
    </androidx.constraintlayout.widget.ConstraintLayout> <LinearLayout> <LinearLayout>
```

In the bottom screenshot, several lines of code are highlighted with red boxes, specifically focusing on the second `CardView` and its nested `TextView` elements. These highlighted lines include:

- `android:layout_width="380dp"`
- `android:layout_height="80dp"`
- `android:layout_weight="1"`
- `app:cardBackgroundColor="@color/white"`
- `app:cardCornerRadius="15dp"`
- `<TextView` block (with `android:text="Setrika"` and styling)
- `<TextView` block (with `android:text="Rp. 4.000/Kn"` and styling)

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            <androidx.cardview.widget.CardView
                <TextView
                    android:textColor="@color/abu"
                    android:textSize="15dp"
                    android:textStyle="bold" />
                <TextView
                    android:layout_width="53dp"
                    android:layout_height="49dp"
                    android:layout_gravity="right"
                    android:layout_marginTop="15dp"
                    android:layout_marginRight="30dp"
                    android:layout_weight="1"
                    android:background="@color/hijau2"
                    android:gravity="center"
                    android:text="0"
                    android:textColor="@color/white"
                    android:textSize="16sp"
                    android:textStyle="bold" />
            </androidx.cardview.widget.CardView>
        </LinearLayout>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="12dp" />
    </androidx.constraintlayout.widget.ConstraintLayout>
```



```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            android:layout_height="wrap_content"
            android:layout_marginTop="12dp"
            android:orientation="vertical">
                <androidx.cardview.widget.CardView
                    android:layout_width="380dp"
                    android:layout_height="80dp"
                    android:layout_weight="1"
                    app:cardBackgroundColor="@color/white"
                    app:cardCornerRadius="15dp">
                    <TextView
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:layout_marginLeft="10dp"
                        android:layout_marginTop="10dp"
                        android:text="Cuci"
                        android:textColor="@android:color/white"
                        android:textSize="18dp"
                        android:textStyle="bold"
                        android:background="@color/hijau2"/>
                    <TextView
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:layout_marginLeft="10dp"
                        android:layout_marginTop="40dp" />
                </androidx.cardview.widget.CardView>
            </LinearLayout>
        </LinearLayout>
    </androidx.constraintlayout.widget.ConstraintLayout>
```

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <Linearlayout
            <androidx.cardview.widget.CardView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_marginLeft="16dp"
                android:layout_marginTop="40dp"
                android:text="Rp. 4.000/Kg"
                android:textColor="@color/abu"
                android:textSize="15dp"
                android:textStyle="bold" />

                <TextView
                    android:layout_width="53dp"
                    android:layout_height="49dp"
                    android:layout_gravity="right"
                    android:layout_marginTop="15dp"
                    android:layout_marginRight="30dp"
                    android:layout_weight="1"
                    android:background="@color/hijau2"
                    android:gravity="center"
                    android:text=""
                    android:textColor="@color/white"
                    android:textSize="16sp"
                    android:textStyle="bold" />
            </androidx.cardview.widget.CardView>
        </Linearlayout>
    </androidx.constraintlayout.widget.ConstraintLayout> <LinearLayout>
```

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <Linearlayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="12dp"
            android:orientation="horizontal" >

                <View
                    android:layout_width="0dp"
                    android:layout_height="match_parent"
                    android:layout_weight="1" />

                <TextView
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:text="Total"
                    android:textColor="#000000"
                    android:textSize="16sp"
                    android:textStyle="bold"
                    android:layout_gravity="end" />
            </Linearlayout>
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Rp 30.000"
            android:textColor="#FBC02D"
            android:textSize="20dp" />
    </androidx.constraintlayout.widget.ConstraintLayout> <LinearLayout>
```

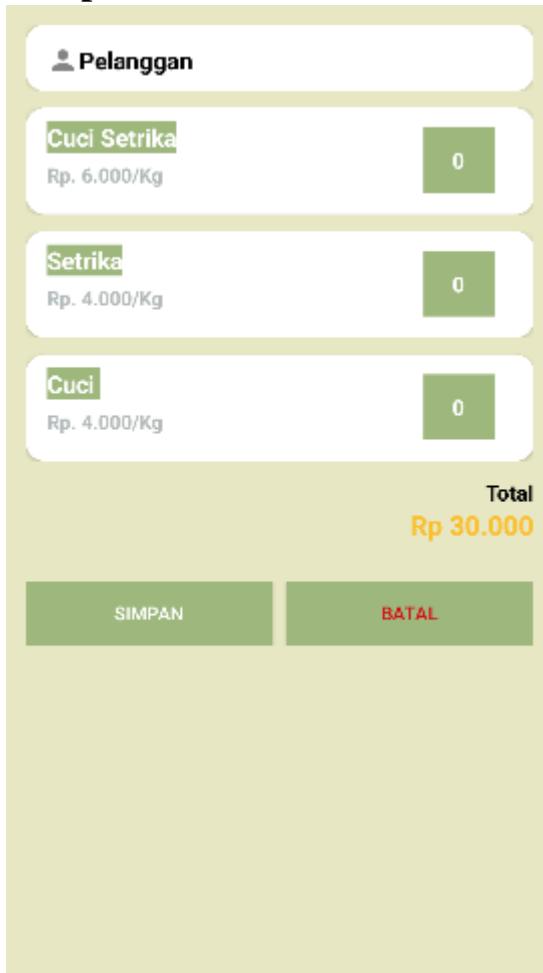
The screenshot shows two instances of the Android Studio code editor side-by-side, displaying the same XML layout file, `activity_add_laundryy.xml`. The layout consists of a `ConstraintLayout` containing a `LinearLayout` with two `Button` elements. The code is annotated with color highlights:

- Blue highlights:** These are primarily used for XML attributes and Java code. In the first editor, they highlight the `textSize="20dp"`, `bold`, and `layout_gravity="end"` attributes on line 223, and the `layout_width="match_parent"` and `layout_height="wrap_content"` attributes on line 226. In the second editor, they highlight the `layout_weight="1"` attribute on line 242 and the `layout_width="0dp"` attribute on line 240.
- Red highlights:** These are used to highlight specific text within attributes. In the first editor, they highlight the `hijau2` color reference in the `background` attribute on line 243. In the second editor, they highlight the `hijau2` color reference in the `background` attribute on line 252.

The XML code is as follows:

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="12dp"
        android:orientation="vertical">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal"
            android:layout_marginTop="16dp"
            android:weightSum="2">
                <Button
                    android:layout_width="0dp"
                    android:layout_height="wrap_content"
                    android:layout_weight="1"
                    android:background="@color/hijau2"
                    android:text="Simpan"
                    android:layout_marginRight="10dp"
                    android:textColor="@android:color/white" />
                <Button
                    android:layout_weight="wrap_content"
                    android:layout_weight="1"
                    android:background="@color/hijau2"
                    android:text="Batal"
                    android:textColor="@color/red"
                    android:background="@color/hijau2" />
            </LinearLayout>
        </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

Tampilan:



F. LayananActivity

Java:

```
1  package id.my.lauvi.laundryapps;
2
3  > import ...
10
11 <></> public class LayananActivity extends AppCompatActivity {
12
13     @Override
14     protected void onCreate(Bundle savedInstanceState) {
15         super.onCreate(savedInstanceState);
16         EdgeToEdge.enable( $this$enableEdgeToEdge: this);
17         setContentView(R.layout.activity_layanan);
18         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
19             Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
20             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
21             return insets;
22         });
23     }
24 }
```

XML:

The image shows two screenshots of the Android Studio code editor for the file `LayananActivity.java`. Both screenshots display the same XML layout code, with minor differences in styling.

```
<?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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".LayananActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@color/ivory"
        android:orientation="vertical"
        android:padding="16dp">

        <Button
            android:id="@+id/button2"
            android:layout_width="180dp"
            android:layout_height="wrap_content"
            android:background="@color/white"
            android:text="Tambah Pelanggan" />

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical"
            android:background="@color/white"
            android:nPadding="16dp">

            <Textview
                android:padding="10dp"
                android:layout_marginTop="10dp"
                android:elevation="2dp">

                <Textview
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:background="@color/hijau2"
                    android:text="Uci Setrika"
                    android:textColor="@color/white"
                    android:textSize="16sp"
                    android:textStyle="bold" />

                <Textview
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:text="Rp 6.000/Kg"
                    android:textSize="14sp"
                    android:textColor="@color/abu" />
            </Textview>
        </LinearLayout>
    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

The first screenshot highlights the button's text color and background, while the second highlights the text view's background and text color. Both screenshots show the XML code for a ConstraintLayout containing a main LinearLayout with padding and a button. Inside the main LinearLayout is another LinearLayout with padding and a Textview. The Textview has a bold font, white text color, and a green background. The Textview also displays the text "Uci Setrika". Below the Textview is another Textview with a grey background and white text, displaying the text "Rp 6.000/Kg".

The image shows two identical screenshots of the Android Studio code editor. Both screens display the same Java code for an activity named LayananActivity. The code defines a layout structure with nested LinearLayouts and TextViews, setting various attributes like orientation, background colors, and text styles. The top screen has line numbers from 2 to 78, and the bottom screen has line numbers from 2 to 102. The code is as follows:

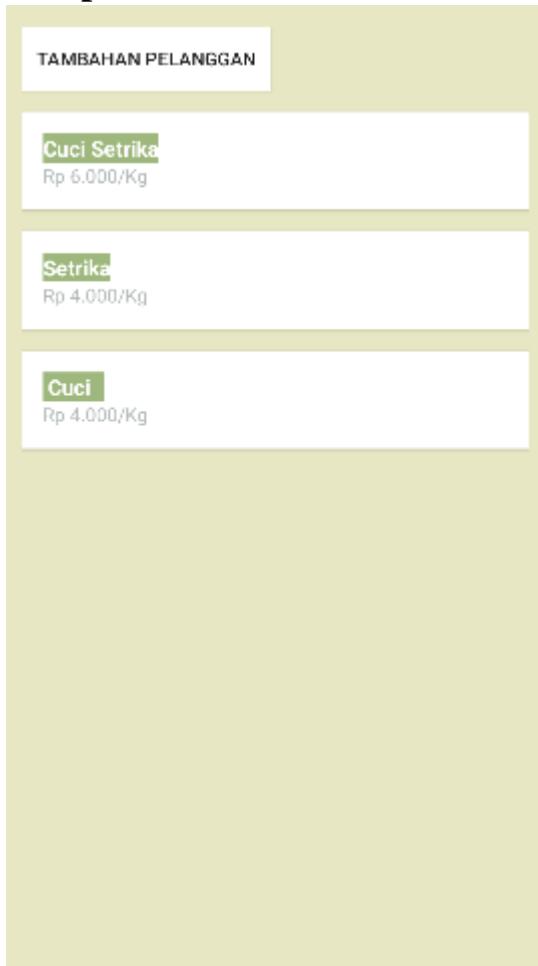
```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            android:orientation="vertical"
            android:background="@color/white"
            android:padding="16dp"
            android:layout_marginTop="16dp"
            android:elevation="2dp"

            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:background="@color/hijau2"
                android:text="Setrika"
                android:textColor="@color/white"
                android:textSize="16sp"
                android:textStyle="bold" />

            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="Rp 4.000/Kg"
                android:textSize="14sp"
                android:textColor="@color/abu" />
        </LinearLayout>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
        </LinearLayout>
    </androidx.constraintlayout.widget.ConstraintLayout>
```

Tampilan:



G. PelangganActivity

Java:

```
1  package id.my.lauvi.laundryapps;
2
3  > import ...
10
11 public class PelangganActivity extends AppCompatActivity {
12
13     @Override
14     protected void onCreate(Bundle savedInstanceState) {
15         super.onCreate(savedInstanceState);
16         EdgeToEdge.enable( $this$enableEdgeToEdge: this);
17         setContentView(R.layout.activity_pelanggan);
18         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
19             Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
20             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
21             return insets;
22         });
23     }
24 }
```

XML:

The image shows two screenshots of the Android Studio code editor side-by-side, displaying XML layout files.

Screenshot 1 (Top): The file is `activity_pelanggan.xml`. It contains the following XML code:

```
<?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"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".PelangganActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@color/ivory"
        android:orientation="vertical"
        android:padding="16dp">

        <Button
            android:id="@+id/button2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Tambah Pelanggan" />

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical"
            android:background="@color/white"
            android:padding="16dp"
            android:layout_marginTop="16dp">

            <Textview>
```

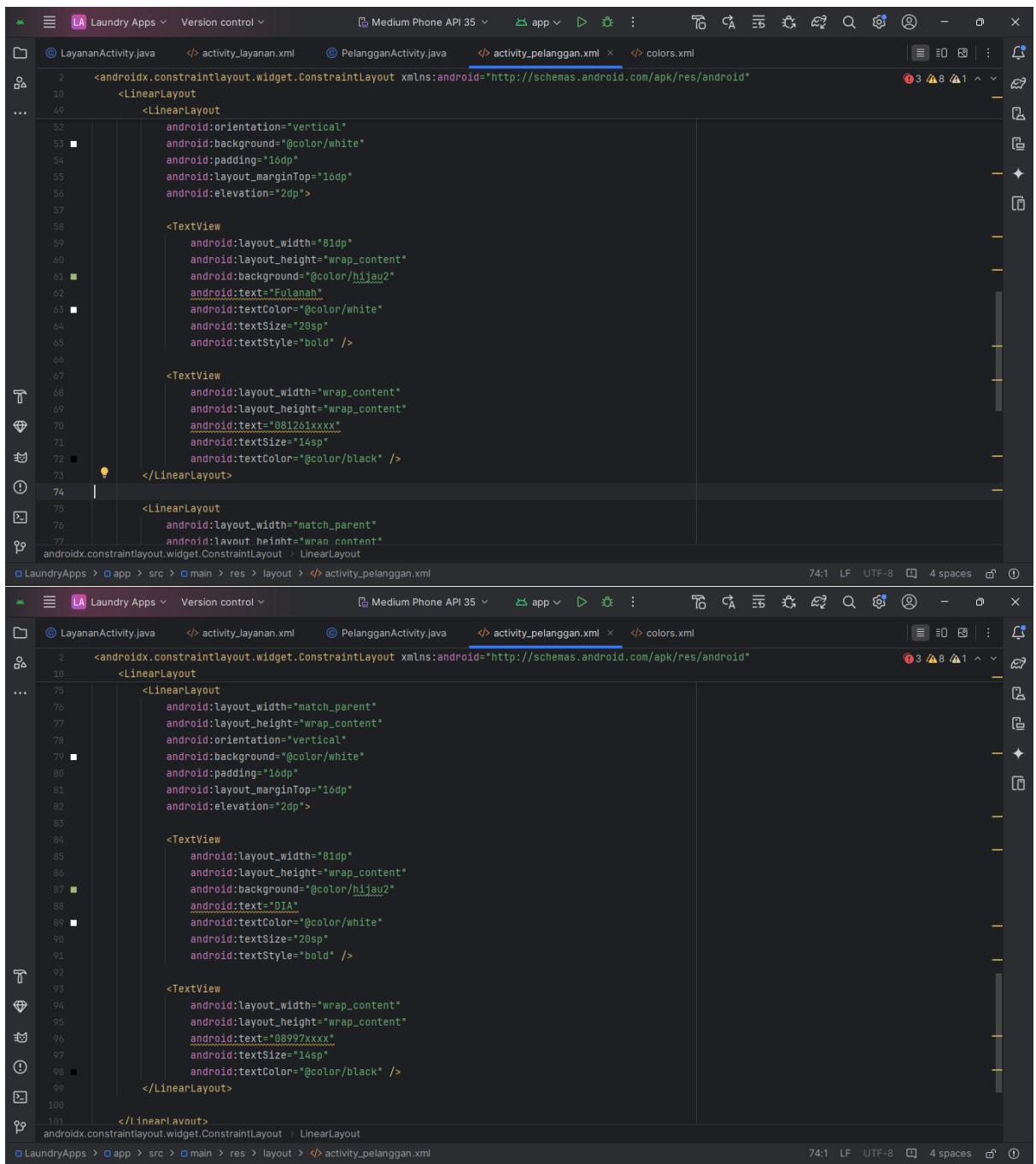
Screenshot 2 (Bottom): The file is `activity_layanan.xml`. It contains the following XML code:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            android:padding="16dp"
            android:layout_marginTop="16dp"
            android:elevation="2dp">

            <Textview
                android:layout_width="81dp"
                android:layout_height="wrap_content"
                android:background="@color/hijau2"
                android:text="Fulan"
                android:textColor="@color/white"
                android:textSize="20sp"
                android:textStyle="bold" />

            <Textview
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="081201xxxx"
                android:textSize="14sp"
                android:textColor="@color/black" />
        </LinearLayout>

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical"
            android:background="@color/white">
```



```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayot
            android:orientation="vertical"
            android:background="@color/white"
            android:padding="16dp"
            android:layout_marginTop="16dp"
            android:elevation="2dp"

            <TextView
                android:layout_width="81dp"
                android:layout_height="wrap_content"
                android:background="@color/hijau2"
                android:text="Fulanah"
                android:textColor="@color/white"
                android:textSize="20sp"
                android:textStyle="bold" />

            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="081261xxx"
                android:textSize="14sp"
                android:textColor="@color/black" />
        </LinearLayot>
        <LinearLayot
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
        androidx.constraintlayout.widget.ConstraintLayout > LinearLayout
    androidx.constraintlayout.widget.ConstraintLayout > LinearLayot

```

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayot
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical"
            android:background="@color/white"
            android:padding="16dp"
            android:layout_marginTop="16dp"
            android:elevation="2dp"

            <TextView
                android:layout_width="81dp"
                android:layout_height="wrap_content"
                android:background="@color/hijau2"
                android:text="DIA"
                android:textColor="@color/white"
                android:textSize="20sp"
                android:textStyle="bold" />

            <TextView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:text="08997xxxx"
                android:textSize="14sp"
                android:textColor="@color/black" />
        </LinearLayot>
        <LinearLayot
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
        androidx.constraintlayout.widget.ConstraintLayout > LinearLayout
    androidx.constraintlayout.widget.ConstraintLayout > LinearLayot

```

Tampilan:



H. PromoActivity

Java:

```
1  package id.my.lauvi.laundryapps;
2
3  > import ...
10
11 </> public class PromoActivity extends AppCompatActivity {
12
13     @Override
14     protected void onCreate(Bundle savedInstanceState) {
15         super.onCreate(savedInstanceState);
16         EdgeToEdge.enable( $this$enableEdgeToEdge: this);
17         setContentView(R.layout.activity_promo);
18         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
19             Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
20             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
21             return insets;
22         });
23     }
24 }
```

XML:

The image shows two screenshots of the Android Studio code editor side-by-side, illustrating changes made to the XML layout file.

Top Screenshot (Original Layout):

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".PromoActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:background="@color/ivory"
        android:orientation="vertical"
        android:padding="16dp">

        <Button
            android:id="@+id/button2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Promo" />

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginTop="16dp"
            android:background="@color/white"
            android:elevation="2dp"
            android:orientation="vertical">
    
```

Bottom Screenshot (Modified Layout):

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            android:elevation="2dp"
            android:orientation="vertical"
            android:padding="16dp">
                <TextView
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:text="XV28493"
                    android:textColor="@color/hijau1"
                    android:textSize="25dp"
                    android:textStyle="bold" />
                <TextView
                    android:layout_width="302dp"
                    android:layout_height="43dp"
                    android:text="Promo Menarik Cuci Minimal 10Kg Gratis Cuci 1 Kg berlaku untuk kelipatannya"
                    android:textColor="@color/hijau2"
                    android:textSize="16sp" />
            <LinearLayout
                android:layout_width="100dp"
                android:layout_height="35dp"
                android:orientation="horizontal">
                    <FrameLayout
                        android:layout_width="93dp"
                        android:layout_height="29dp"
                        android:layout_gravity="center" />
                </LinearLayout>
            </LinearLayout>
        </LinearLayout>
    </ConstraintLayout>
```

The bottom screenshot shows the XML code with several changes highlighted by red underlines and squiggly lines, indicating errors or warnings from the IDE. These changes include:

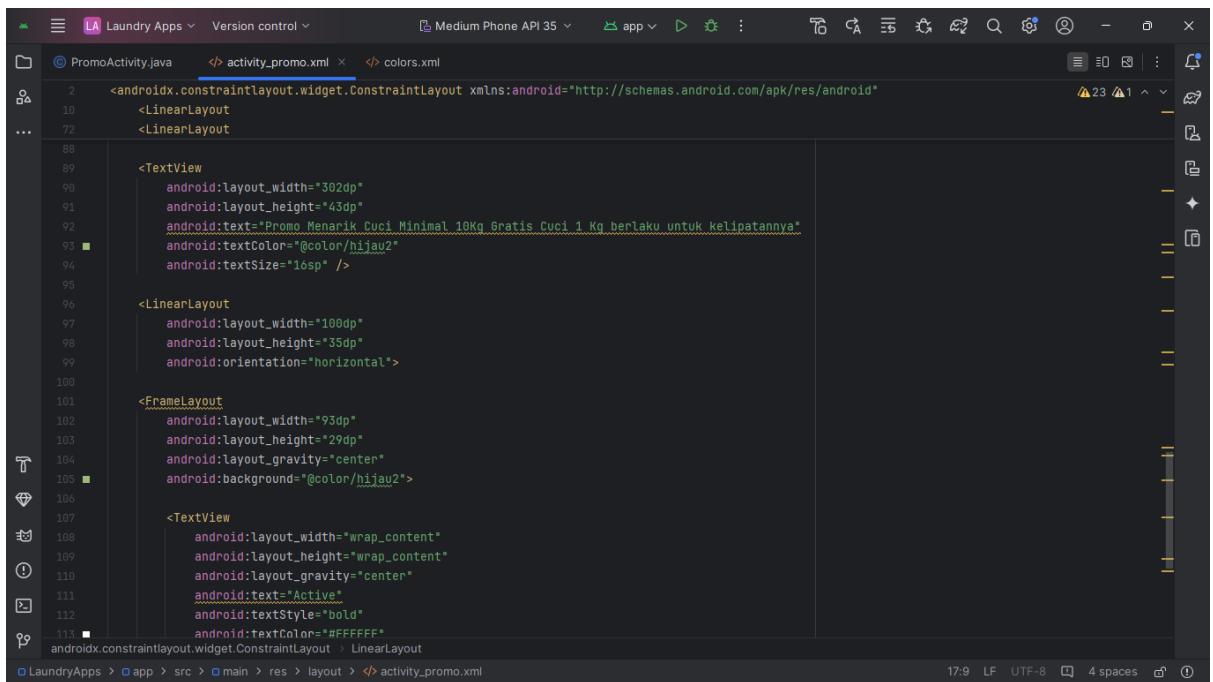
- Replacing the first `LinearLayout` with a `ConstraintLayout`.
- Adding a nested `LinearLayout` inside the main `ConstraintLayout`.
- Adding a `FrameLayout` inside the nested `LinearLayout`.
- Modifying the `TextView` properties (text, color, size, style) and adding a `layout_gravity` attribute.
- Modifying the `TextView` properties (text, color, size).

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            <TextView
                android:layout_width="302dp"
                android:layout_height="43dp"
                android:text="Promo Mendarik Cuci Minimal 10Kg Gratis Cuci 1 Kg berlaku untuk kelipatannya"
                android:textColor="@color/hijau2"
                android:textSize="16sp" />
            <LinearLayout
                android:layout_width="100dp"
                android:layout_height="35dp"
                android:orientation="horizontal">
                <FrameLayout
                    android:layout_width="95dp"
                    android:layout_height="29dp"
                    android:layout_gravity="center"
                    android:background="@color/hijau2">
                    <TextView
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:layout_gravity="center"
                        android:text="Active"
                        android:textStyle="bold"
                        android:textColor="#FFFFFF"
                        android:textSize="20dp" />
                </FrameLayout>
            </LinearLayout>
        </LinearLayout>
    <androidx.constraintlayout.widget.ConstraintLayout> > LinearLayout

```

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            <LinearLayout
                <FrameLayout
                    <TextView>
                        </TextView>
                    </FrameLayout>
                </LinearLayout>
            </LinearLayout>
        </LinearLayout>
    <androidx.constraintlayout.widget.ConstraintLayout> > LinearLayout

```



```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            <TextView
                android:layout_width="302dp"
                android:layout_height="43dp"
                android:text="Promo Mendarik Cuci Minimal 10Kg Gratis Cuci 1 Kg berlaku untuk kelipatannya"
                android:textColor="@color/hijau2"
                android:textSize="16sp" />
            <LinearLayout
                android:layout_width="100dp"
                android:layout_height="35dp"
                android:orientation="horizontal">
                <FrameLayout
                    android:layout_width="93dp"
                    android:layout_height="29dp"
                    android:layout_gravity="center"
                    android:background="@color/hijau2">
                    <TextView
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:layout_gravity="center"
                        android:text="Active"
                        android:textStyle="bold"
                        android:textColor="#FFFFFF" />
                </FrameLayout>
            </LinearLayout>
        </LinearLayout>
    </ConstraintLayout>
```

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            <LinearLayout
                <FrameLayout
                    <TextView
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:layout_gravity="center"
                        android:text="Active"
                        android:textStyle="bold"
                        android:textColor="#FFFFFF"
                        android:textSize="20dp">
                    </TextView>
                </FrameLayout>
            </LinearLayout>
        </LinearLayout>
    </ConstraintLayout>

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

```
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
    <LinearLayout
        <LinearLayout
            <LinearLayout
                <FrameLayout
                    android:background="@color/hijau2"
                    <TextView
                        android:layout_width="wrap_content"
                        android:layout_height="wrap_content"
                        android:layout_gravity="center"
                        android:text="Active"
                        android:textStyle="bold"
                        android:textColor="#FFFFFF"
                        android:textSize="20dp">
                    </TextView>
                </FrameLayout>
            </LinearLayout>
        </LinearLayout>
    </ConstraintLayout>

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

Tampilan:

PROMO

XYZ8493

Promo Menarik Cuci Minimal 10Kg Gratis
Cuci 1 Kg berlaku untuk kelipatannya

Active

XYZ1408

Promo Menarik Cuci Minimal 10Kg Gratis
Cuci 1 Kg berlaku untuk kelipatannya

Active