

# Modul 1 – Activity

## Lembar Kerja Praktikum

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Screenshot hasil:

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:tools="http://schemas.android.com/tools"
4     android:layout_width="match_parent"
5     android:layout_height="match_parent"
6     android:paddingBottom="16dp"
7     android:paddingLeft="16dp"
8     android:paddingRight="16dp"
9     android:paddingTop="16dp"
10    android:orientation="vertical"
11    tools:context="com.example.barvolume1037.MainActivity">
12
13    <TextView
14        android:layout_width="match_parent"
15        android:layout_height="wrap_content"
16        android:text="Panjang"
17        android:layout_marginBottom="16dp" />
18
19    <EditText
20        android:id="@+id/edt_length"
21        android:layout_width="match_parent"
22        android:layout_height="wrap_content"
23        android:inputType="numberDecimal"
24        android:lines="1"
25        android:layout_marginBottom="16dp"
26        android:autoFillHints="" />
27
28    <TextView
29        android:layout_width="match_parent"
30        android:layout_height="wrap_content"
31        android:text="Lebar"
32        android:layout_marginBottom="16dp" />
33
34 </LinearLayout>
  
```

```

1 package com.example.barvolume1037;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 public class MainActivity extends AppCompatActivity implements View.OnClickListener {
6     private EditText edtLength, edtHeight, edtLength;
7     private Button btnCalculate;
8     private TextView tvResult;
9
10    @Override
11    protected void onCreate(Bundle savedInstanceState) {
12        super.onCreate(savedInstanceState);
13        setContentView(R.layout.activity_main);
14        edtLength = (EditText) findViewById(R.id.edt_length);
15        edtHeight = (EditText) findViewById(R.id.edt_height);
16        edtLength = (EditText) findViewById(R.id.edt_length);
17        btnCalculate = (Button) findViewById(R.id.btn_calculate);
18        tvResult = (TextView) findViewById(R.id.tv_result);
19        btnCalculate.setOnClickListener(this);
20    }
21
22    @Override
23    public void onClick(View v) {
24        if (v.getId() == R.id.btn_calculate) {
25            String length = edtLength.getText().toString().trim();
26            String width = edtWidth.getText().toString().trim();
27            String height = edtHeight.getText().toString().trim();
28            boolean isEmptyFields = false;
29            if (TextUtils.isEmpty(length)) {
30                edtLength.setError("Field ini tidak boleh kosong");
31            }
32            if (TextUtils.isEmpty(width)) {
33                edtWidth.setError("Field ini tidak boleh kosong");
34            }
35            if (TextUtils.isEmpty(height)) {
36                edtHeight.setError("Field ini tidak boleh kosong");
37            }
38            if (!isEmptyFields) {
39                // Calculate area
40            }
41        }
42    }
43 }
  
```

