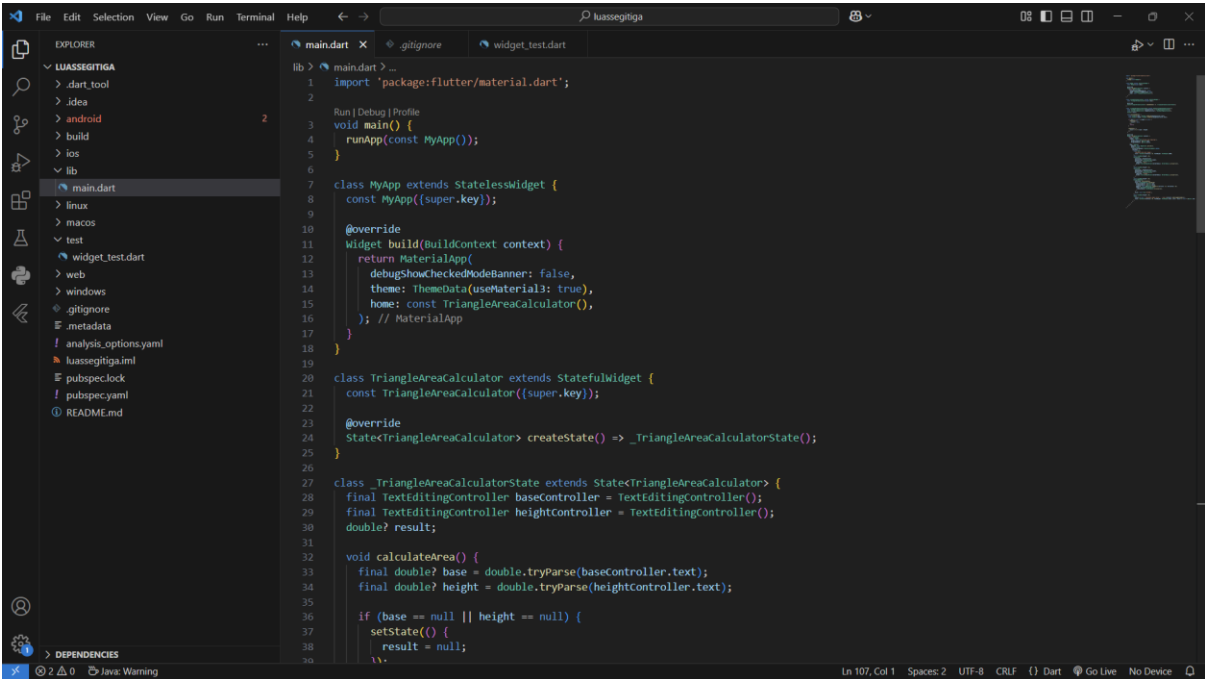


Fajar Satriadi

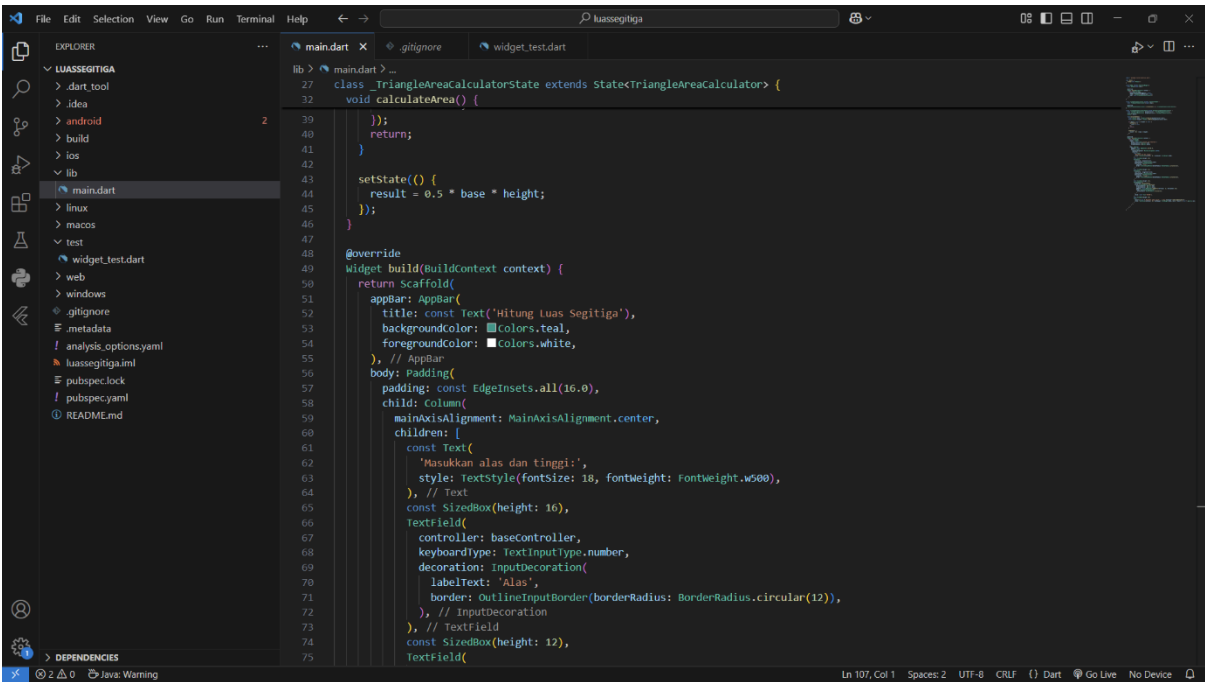
221011401917

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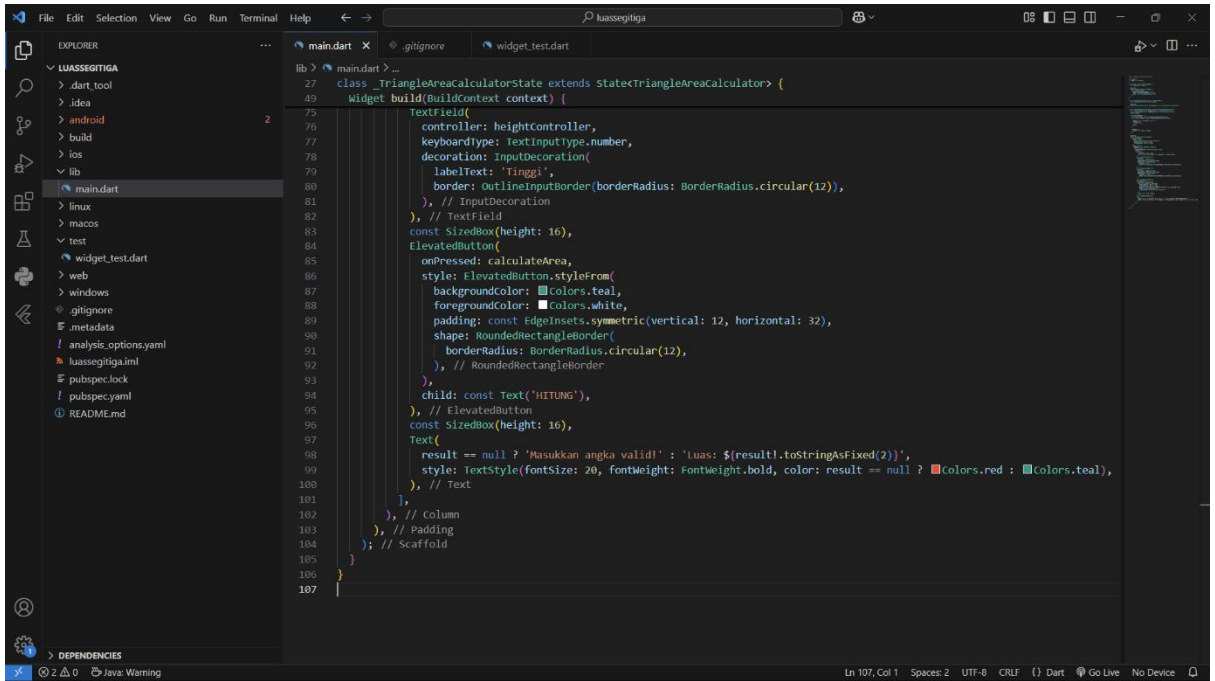
A. Main Dart



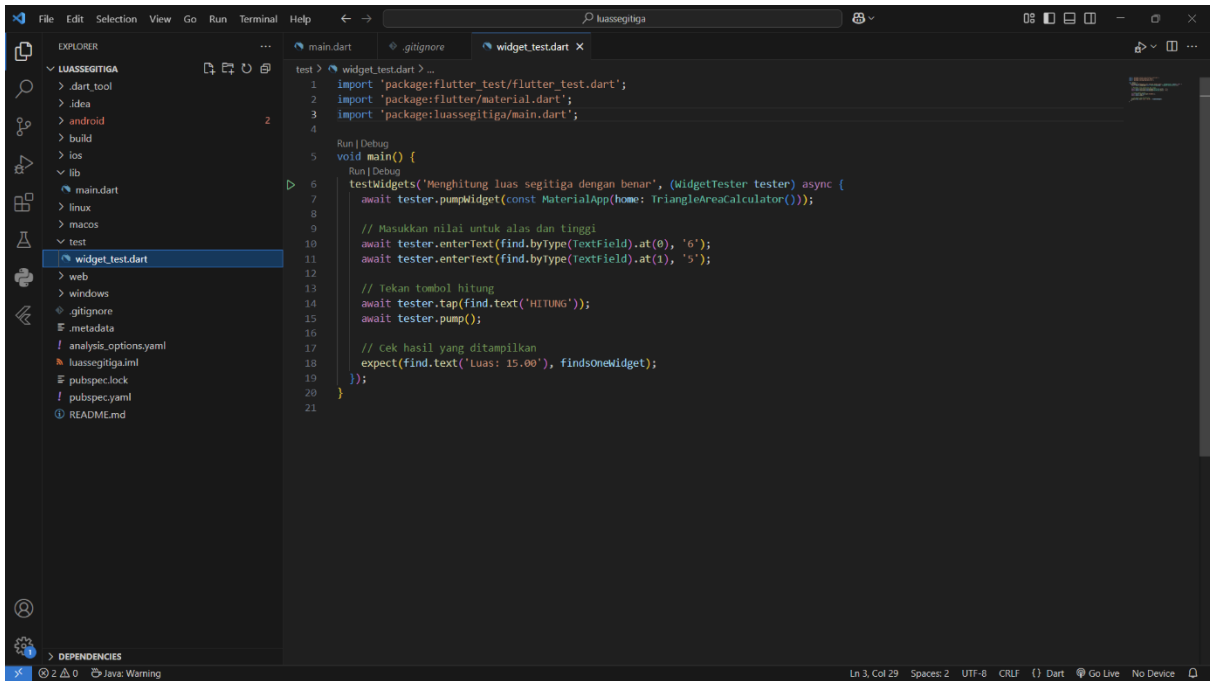
```
lib > main.dart > ...
1 import 'package:flutter/material.dart';
2
3 Run | Debug | Profile
4 void main() {
5   runApp(const MyApp());
6 }
7
8 class MyApp extends StatelessWidget {
9   const MyApp({super.key});
10
11   @override
12   Widget build(BuildContext context) {
13     return MaterialApp(
14       debugShowCheckedModeBanner: false,
15       theme: ThemeData(useMaterial3: true),
16       home: const TriangleAreaCalculator(),
17     ); // MaterialApp
18   }
19 }
20
21 class TriangleAreaCalculator extends StatefulWidget {
22   const TriangleAreaCalculator({super.key});
23
24   @override
25   State<TriangleAreaCalculator> createState() => _TriangleAreaCalculatorState();
26 }
27
28 class _TriangleAreaCalculatorState extends State<TriangleAreaCalculator> {
29   final TextEditingController baseController = TextEditingController();
30   final TextEditingController heightController = TextEditingController();
31   double? result;
32
33   void calculateArea() {
34     final double? base = double.tryParse(baseController.text);
35     final double? height = double.tryParse(heightController.text);
36
37     if (base == null || height == null) {
38       setState(() {
39         result = null;
40       });
41     }
42   }
43 }
```



```
27 class _TriangleAreaCalculatorState extends State<TriangleAreaCalculator> {
32   void calculateArea() {
33     final double? base = double.tryParse(baseController.text);
34     final double? height = double.tryParse(heightController.text);
35
36     if (base == null || height == null) {
37       setState(() {
38         result = null;
39       });
40     }
41   }
42
43   setState() {
44     result = 0.5 * base * height;
45   }
46 }
47
48 @override
49 Widget build(BuildContext context) {
50   return Scaffold(
51     appBar: AppBar(
52       title: const Text('Hitung Luas Segitiga'),
53       backgroundColor: Colors.teal,
54       foregroundColor: Colors.white,
55     ), // AppBar
56     body: Padding(
57       padding: const EdgeInsets.all(16.0),
58       child: Column(
59         mainAxisAlignment: MainAxisAlignment.center,
60         children: [
61           const Text(
62             'Masukkan alas dan tinggi:',
63             style: TextStyle(fontSize: 18, fontWeight: FontWeight.w500),
64           ), // Text
65           const SizedBox(height: 10),
66           TextField(
67             controller: baseController,
68             keyboardType: TextInputType.number,
69             decoration: InputDecoration(
70               labelText: 'Alas',
71               border: OutlineInputBorder(borderRadius: BorderRadius.circular(12)),
72             ), // InputDecoration
73           ), // TextField
74           const SizedBox(height: 12),
75           TextField(
```



B. Widget Dart



C. Hasil

localhost:51717

localhost:51717

Hitung Luas Segitiga

Masukkan alas dan tinggi:

Alas

5

Tinggi

6

HITUNG

Luas: 15.00