

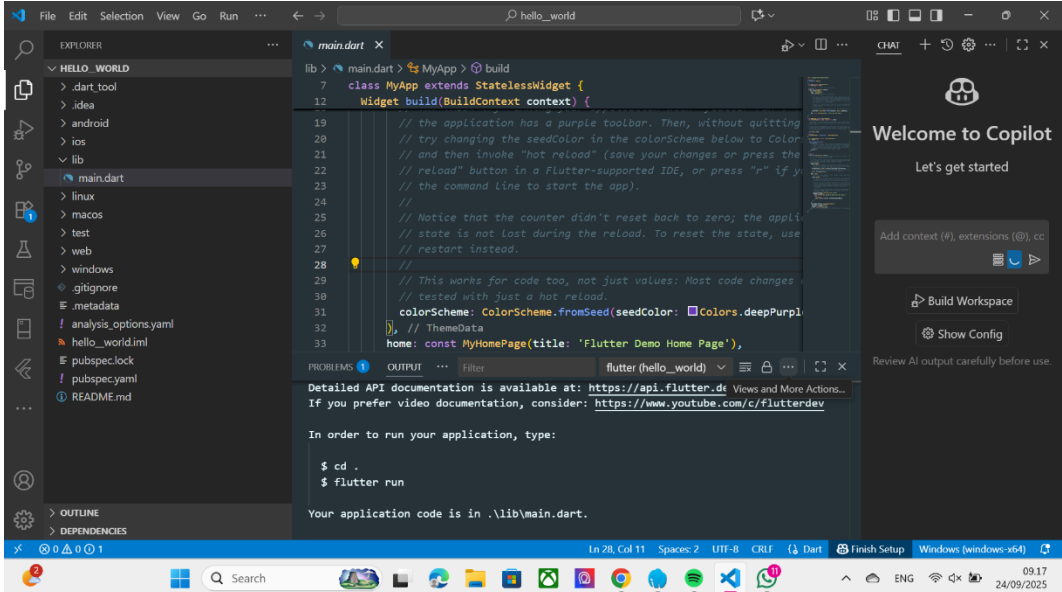
Nama : Deanissa Sherly Sabilla

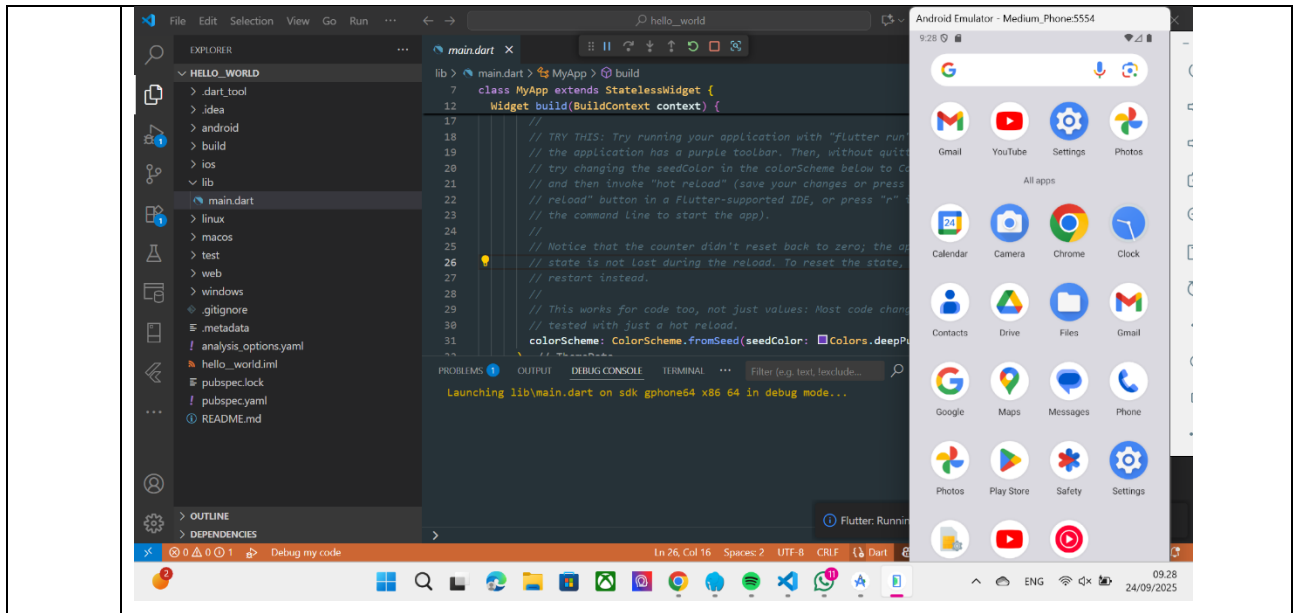
Kelas : SIB 3C

Mata Kuliah : Pemrograman Mobile

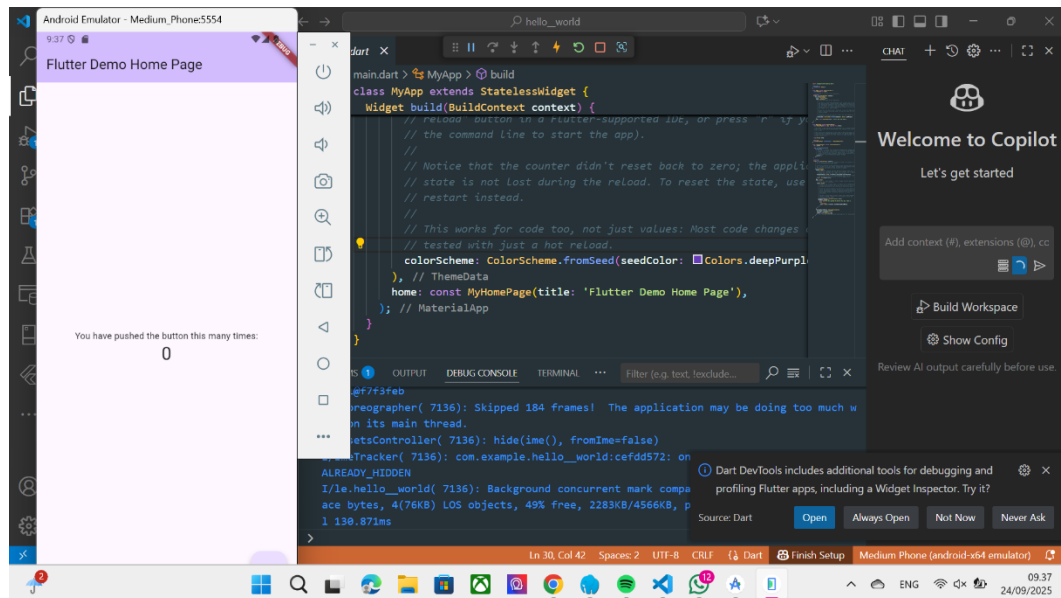
Pertemuan : Flutter 01



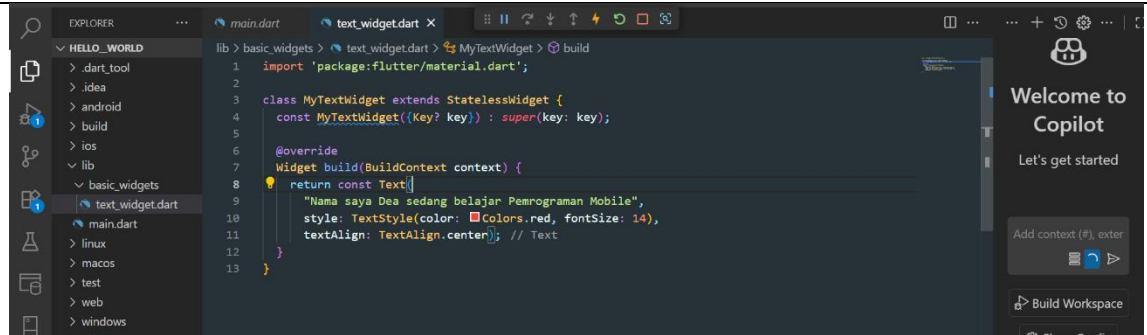
	FLUTTER 01
1.	Membuat project Flutter 
2.	Menghubungkan perangkat Emulator



3. Melakukan running project **hello_world** dengan tekan **F5** atau **Run > Start Debugging**. Maka pada emulator akan muncul Flutter.



4. **Menerapkan Widget Dasar**



Membuat folder `basic_widgets` didalam folder `lib`, kemudian buat file baru didalam `basic_widgets` dengan nama `text_widget.dart`.

```

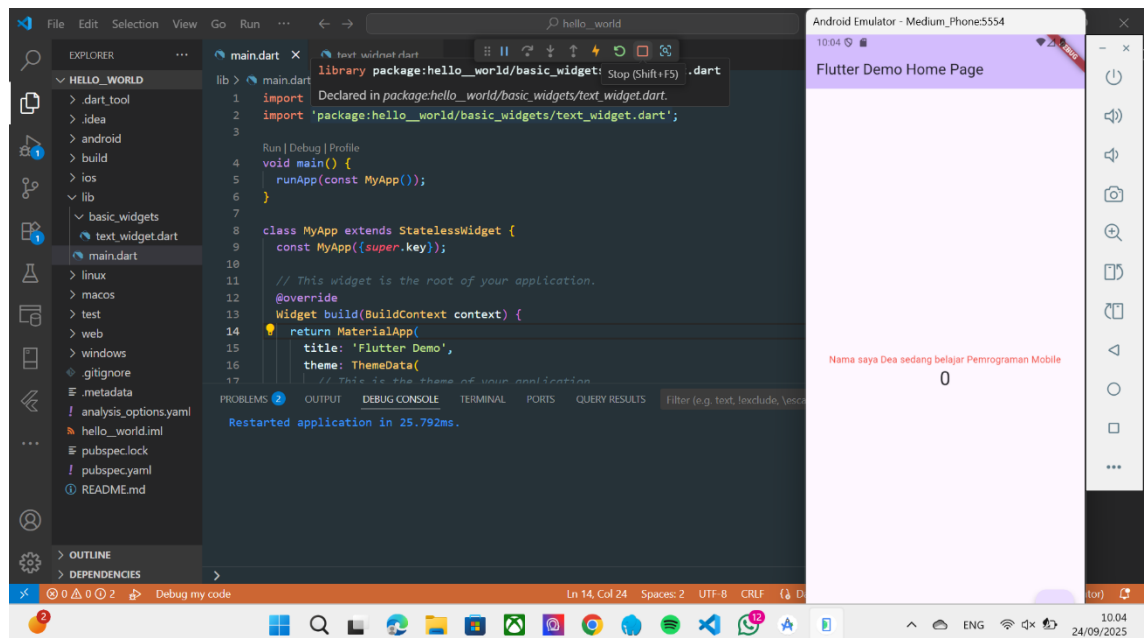
> main.dart > ...
1 import 'package:flutter/material.dart';
2 import 'package:hello_world/basic_widgets/text_widget.dart';
3

```

```

// wireframe for each widget.
mainAxisAlignment: MainAxisAlignment.center,
children: <Widget>[
  const MyTextWidget(),
  Text(
    '$_counter',
    style: Theme.of(context).textTheme.headlineMedium,

```



Maka, akan menampilkan text seperti ini.

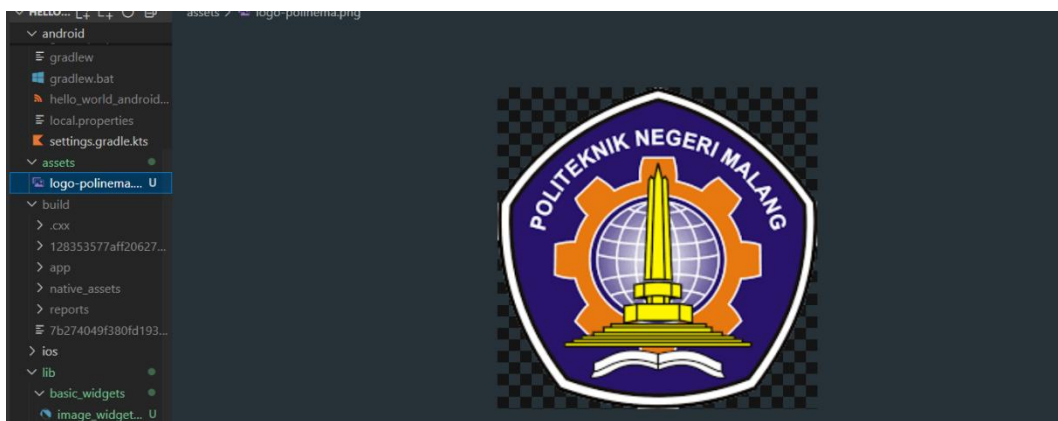
```
main.dart M x logo-polinema.png U pubspec.yaml I image_widget.dart U x
lib > basic_widgets > image_widget.dart > MyImageWidget
1 import 'package:flutter/material.dart';
2
3 class MyImageWidget extends StatelessWidget {
4   const MyImageWidget({Key? key}) : super(key: key);
5
6   @override
7   Widget build(BuildContext context) {
8     return const Image(
9       image: AssetImage("assets/logo-polinema.png")
10    ); // Image
11  }
12 }
```

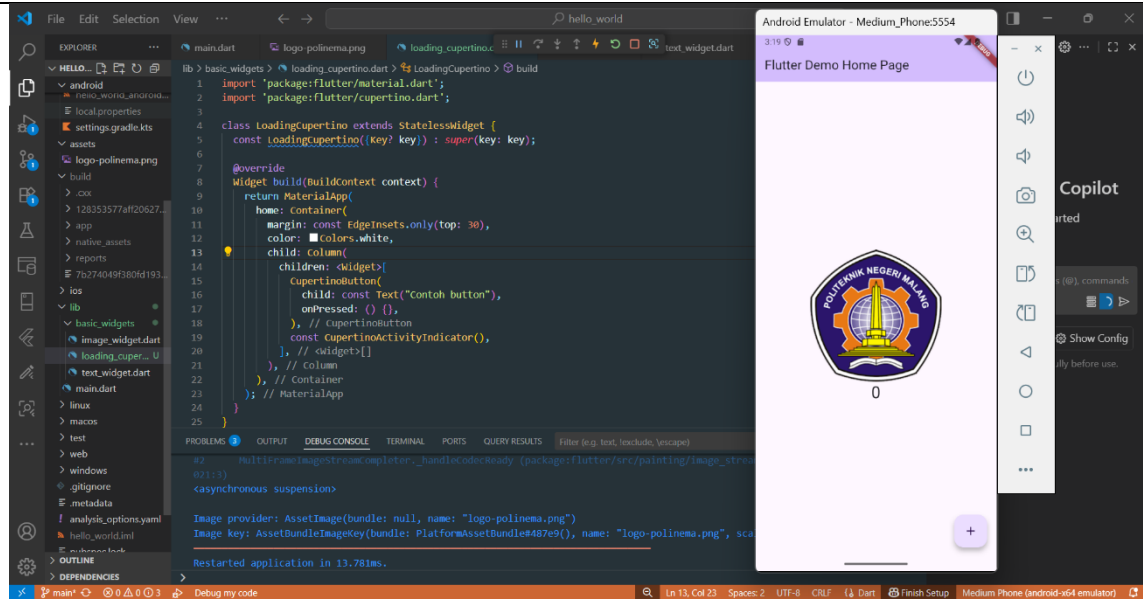
Membuat folder `basic_widgets` didalam folder `lib`, kemudian buat file baru didalam `basic_widgets` dengan nama `image_widget.dart`.

```
//const MyTextWidget(),
const MyImageWidget(),
Text(

import 'package:flutter/material.dart';
import 'package:hello_world/basic_widgets/image_widget.dart';
```

Gambar disimpan pada `hello_world/assets/logo-polinema.png`.

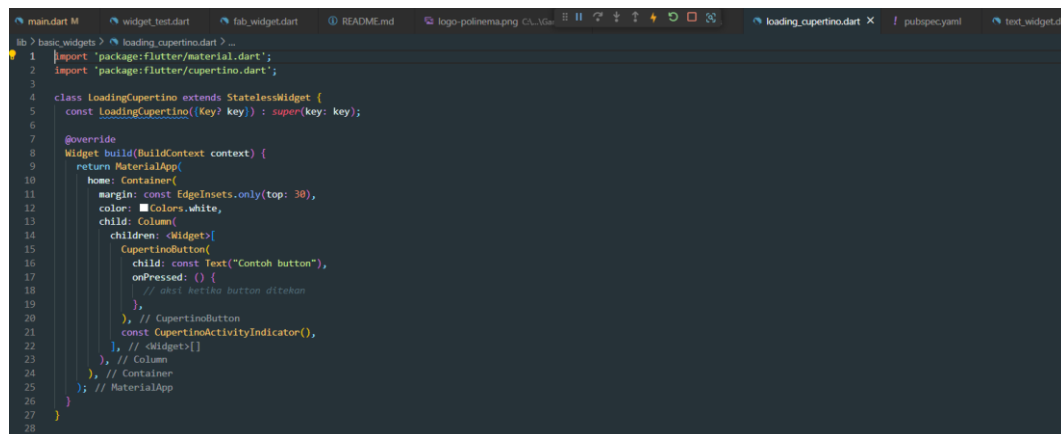




Maka, akan menampilkan gambar seperti ini.

5. Menerapkan Widget Material Design dan iOS Cupertino

AlertDialog & SimpleDialog



Membuat file di basic_widgets > loading_cupertino.dart. Import stateless widget dari material dan cupertino.

```

lib > basic_widgets > fab_widget.dart > FabWidget > build
1 import 'package:flutter/material.dart';
2
3 class FabWidget extends StatelessWidget {
4   const FabWidget({Key? key}) : super(key: key);
5
6   @override
7   Widget build(BuildContext context) {
8     return MaterialApp(
9       home: Scaffold(
10        floatingActionButton: FloatingActionButton(
11          onPressed: () {
12            // Aksi ketika FAB ditekan
13            debugPrint("FAB ditekan!");
14          },
15          backgroundColor: Colors.pink,
16          child: const Icon(Icons.thumb_up),
17        ), // FloatingActionButton
18      ), // Scaffold
19    ); // MaterialApp
20  }
21 }
22

```

Membuat file di `basic_widgets > fab_widget.dart`. Import `stateless widget` dari `material`.

```

main.dart X widget_test.dart fab_widget.dart README.md logo-polinema.png C:\...Ga loading_cupertino
1 lib > main.dart > showAlertDialog
2 import 'package:flutter/material.dart';
3
4 void main() {
5   runApp(const MyApp());
6 }
7
8 class MyApp extends StatelessWidget {
9   // This widget is the root of your application.
10  @override
11  Widget build(BuildContext context) {
12    return MaterialApp(
13      home: Scaffold(
14        body: MyLayout(),
15      ), // Scaffold
16    ); // MaterialApp
17  }
18 }
19
20 class MyLayout extends StatelessWidget {
21   const MyLayout({Key? key}) : super(key: key);
22
23   @override
24   Widget build(BuildContext context) {
25     return Padding(
26       padding: const EdgeInsets.all(8.0),
27       child: ElevatedButton(
28         child: const Text('Show alert'),
29         onPressed: () {
30           showAlertDialog(context);
31         },
32       ), // ElevatedButton
33     ); // Padding
34   }
35 }
36

```

```

main.dart X widget_test.dart fab_widget.dart README.md logo-polinema.png C:\...Ga loading_cupertino pubspec.yaml text_widget.dart image_widget.dart
37 showAlertDialog(BuildContext context) {
38   // set up the button
39   Widget okButton = TextButton(
40     child: const Text("OK"),
41     onPressed: () {
42       Navigator.pop(context);
43     },
44   ); // TextButton
45
46   // set up the AlertDialog
47   AlertDialog alert = AlertDialog(
48     title: const Text("My title"),
49     content: const Text("This is my message."),
50     actions: [
51       okButton,
52     ], // AlertDialog
53   ); // AlertDialog
54
55   // show the dialog
56   showDialog(
57     context: context,
58     builder: (BuildContext context) {
59       return alert;
60     },
61   );
62 }
63
64 class MyHomePage extends StatefulWidget {
65   const MyHomePage({Key? key, required this.title}) : super(key: key);
66
67   final String title;
68
69   @override
70   State<MyHomePage> createState() => _MyHomePageState();
71 }
72
73 class _MyHomePageState extends State<MyHomePage> {
74   int _counter = 0;
75

```

```

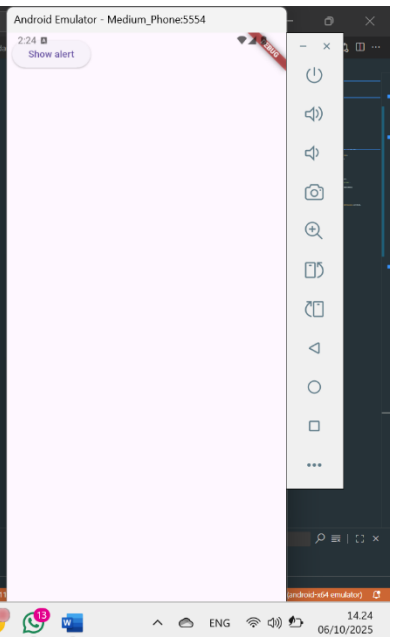
lib > main.dart > $ flutter build
74 class _MyHomePageState extends State<MyHomePage> {
75   void _incrementCounter() {
76     setState(() {
77       _counter++;
78     });
79   }
80 }
81
82
83 @override
84 Widget build(BuildContext context) {
85   return Scaffold(
86     appBar: AppBar(
87       title: Text(widget.title),
88     ), // AppBar
89     body: Center(
90       child: Column(
91         mainAxisAlignment: MainAxisAlignment.center,
92         children: <Widget>[
93           const Text(
94             'You have pushed the button this many times:',
95           ), // Text
96           Text(
97             '$_counter',
98             style: Theme.of(context).textTheme.headlineMedium,
99           ), // Text
100         ], // <Widget>[]
101       ), // Column
102     ), // Center
103     bottomNavigationBar: BottomAppBar(
104       child: Container(
105         height: 58.0,
106       ), // Container
107     ), // BottomAppBar
108     floatingActionButton: FloatingActionButton(
109       onPressed: _incrementCounter,
110       tooltip: 'Increment Counter',
111       child: const Icon(Icons.add),
112     ), // FloatingActionButton
113     floatingActionButtonLocation: FloatingActionButtonLocation.centerDocked,
114   ); // Scaffold

```

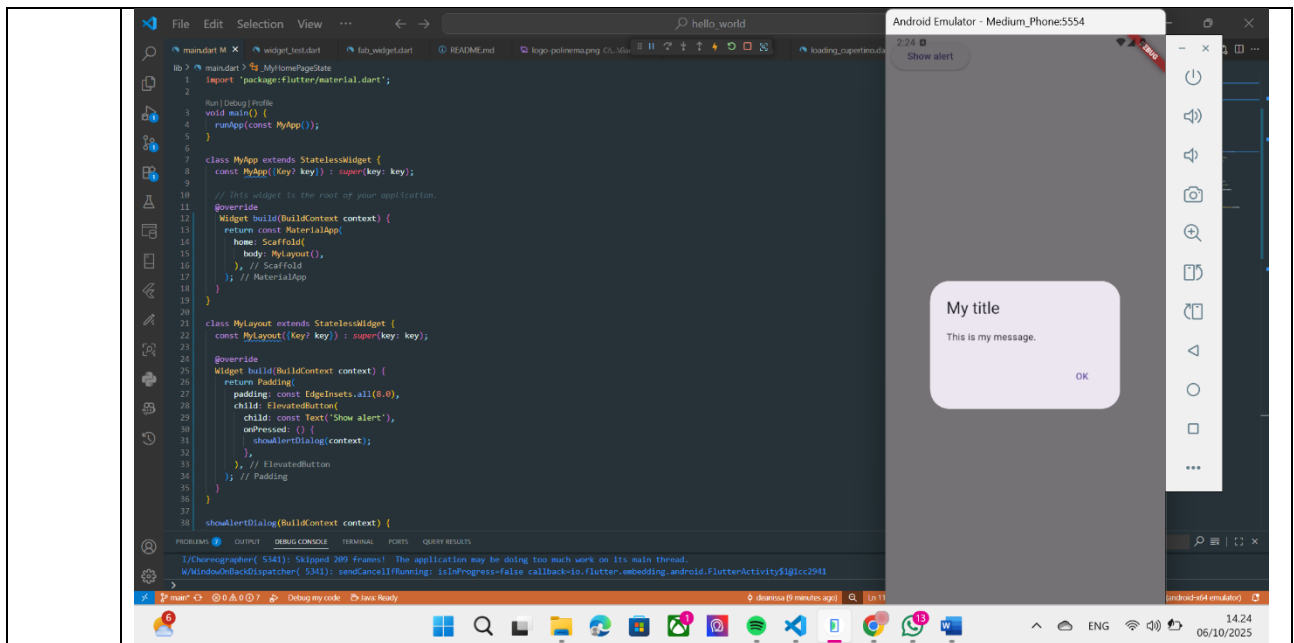
```

File Edit Selection View ...
lib > main.dart > $ flutter build
1 import 'package:flutter/material.dart';
2
3 void main() {
4   runApp(const MyApp());
5 }
6
7 class MyApp extends StatelessWidget {
8   const MyApp({Key? key}) : super(key: key);
9
10  // This widget is the root of your application.
11  @override
12  Widget build(BuildContext context) {
13    return const MaterialApp(
14      home: Scaffold(
15        body: MyLayout(),
16      ), // Scaffold
17    ); // MaterialApp
18  }
19
20
21 class MyLayout extends StatelessWidget {
22   const MyLayout({Key? key}) : super(key: key);
23
24  @override
25  Widget build(BuildContext context) {
26    return Padding(
27      padding: const EdgeInsets.all(8.0),
28      child: ElevatedButton(
29        child: const Text('Show alert'),
30        onPressed: () {
31          showDialog(context);
32        },
33      ), // ElevatedButton
34    ); // Padding
35  }
36
37  showDialog(BuildContext context) {
38
39  }
40 }

```



Restarted application in 31.965ms.
 W/WindowOnDispatch(5341): sendCancelRunning: isIoProgress=false callback=io.flutter.embedding.android.FlutterActivity\$1@1cc2941

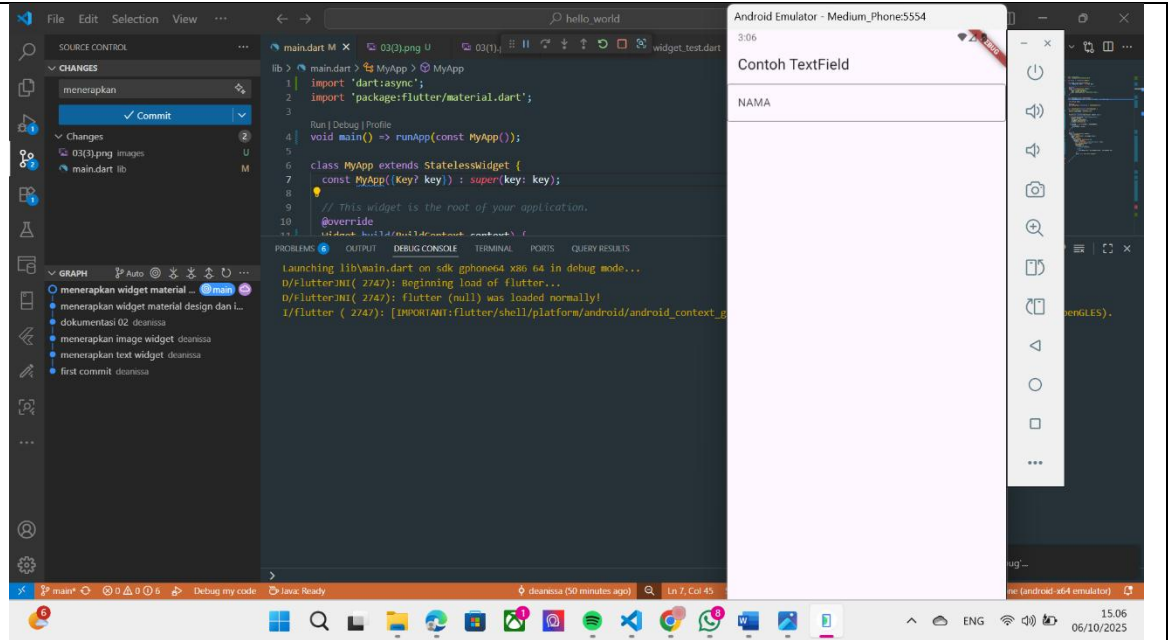


Maka akan muncul tombol 'Show Alert' dan saat di klik akan muncul alert 'This is my message'.

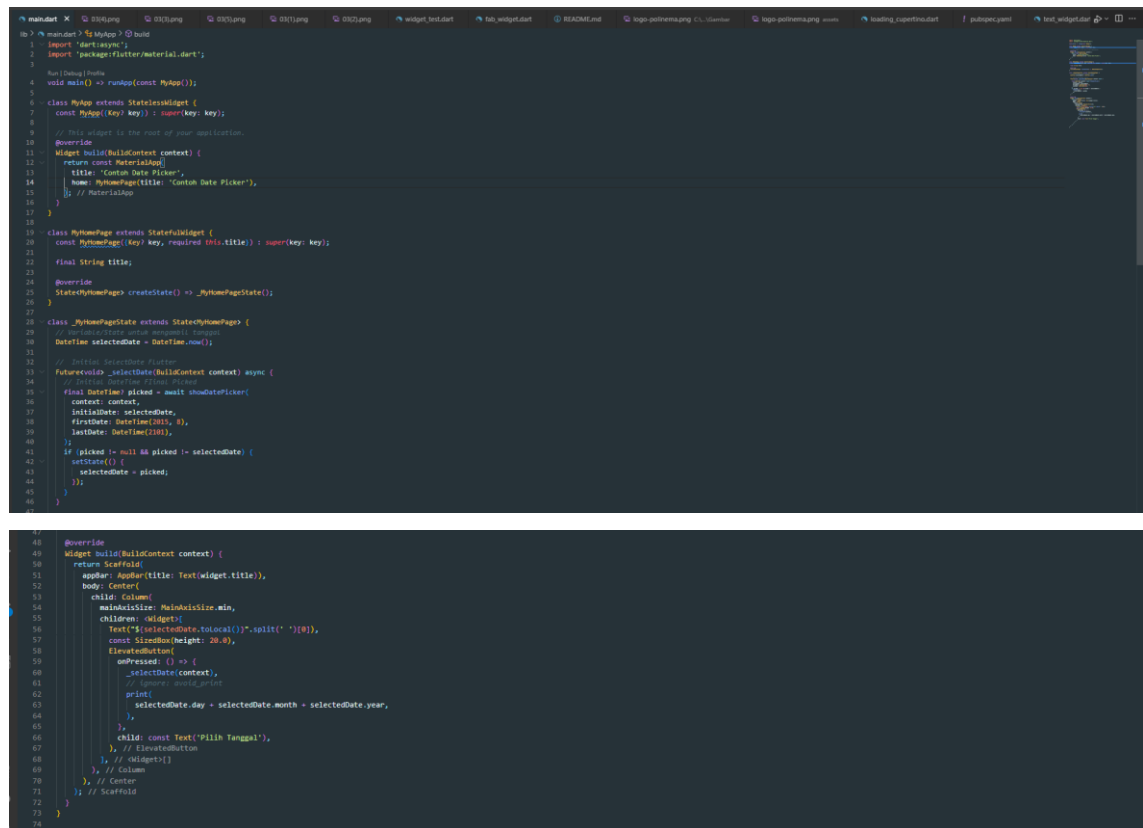
Input & Selection Widget

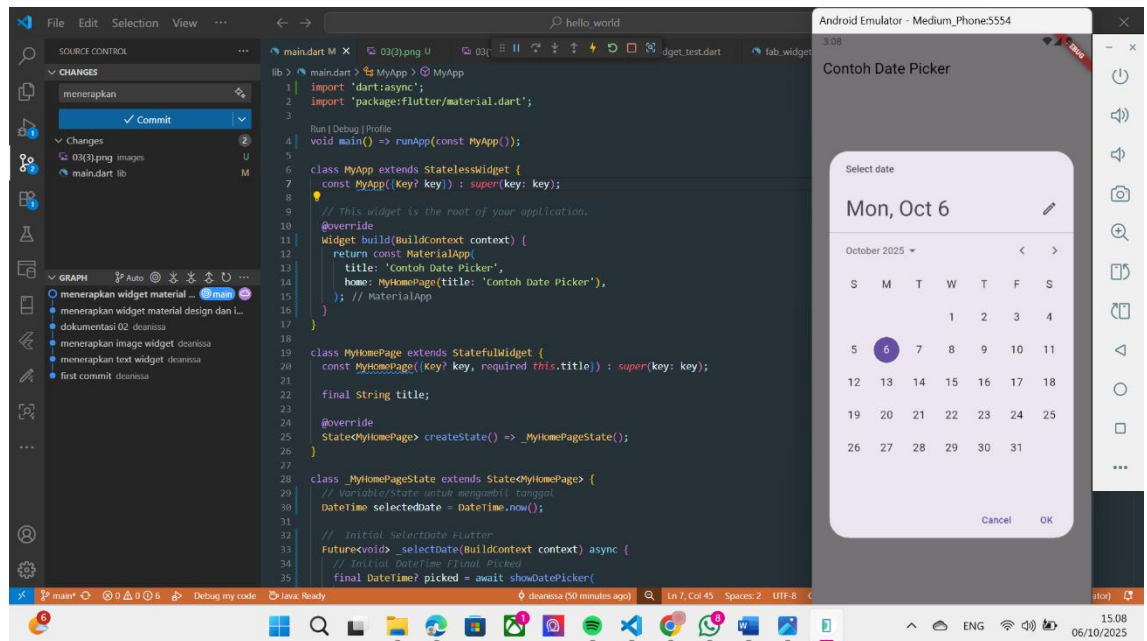
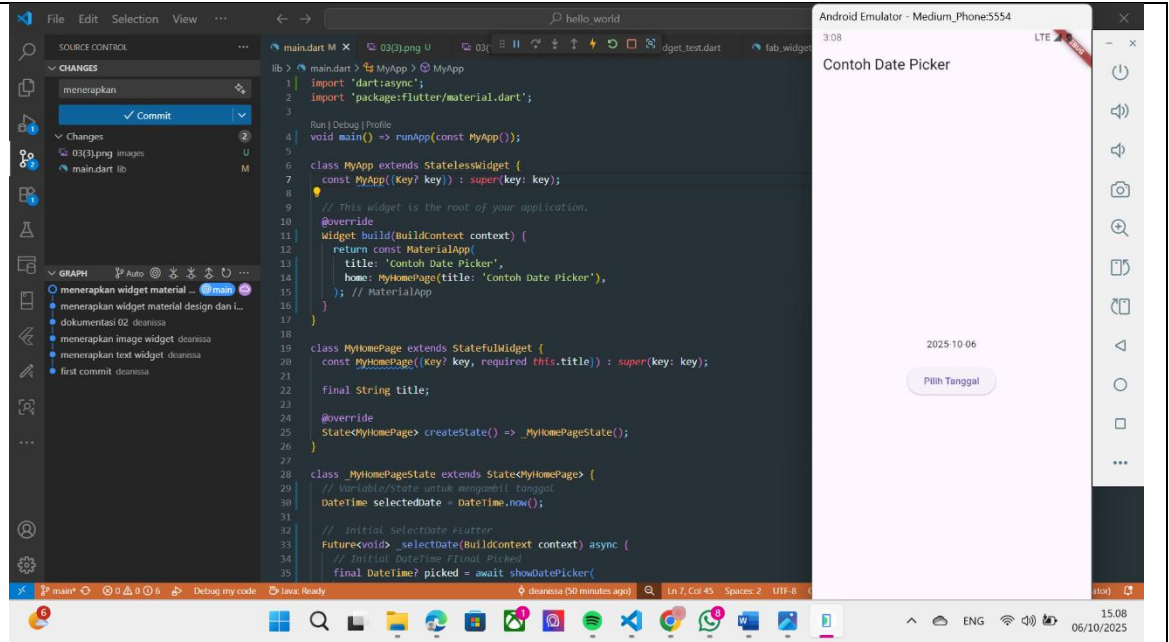
```
class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: Scaffold(
        appBar: AppBar(title: const Text("Contoh TextField")),
        body: const TextField(
          obscureText: false,
          decoration: InputDecoration(
            border: OutlineInputBorder(),
            labelText: 'Nama',
          ), // InputDecoration
        ), // TextField
      ), // Scaffold
    ); // MaterialApp
  }
}
```

Date & Time Pickers





Maka akan muncul tombol 'Pilih Tanggal' dan saat di klik akan muncul alert Kalender yang akan di pilih.

Github: https://github.com/deanissa/hello_world/commits/main/