

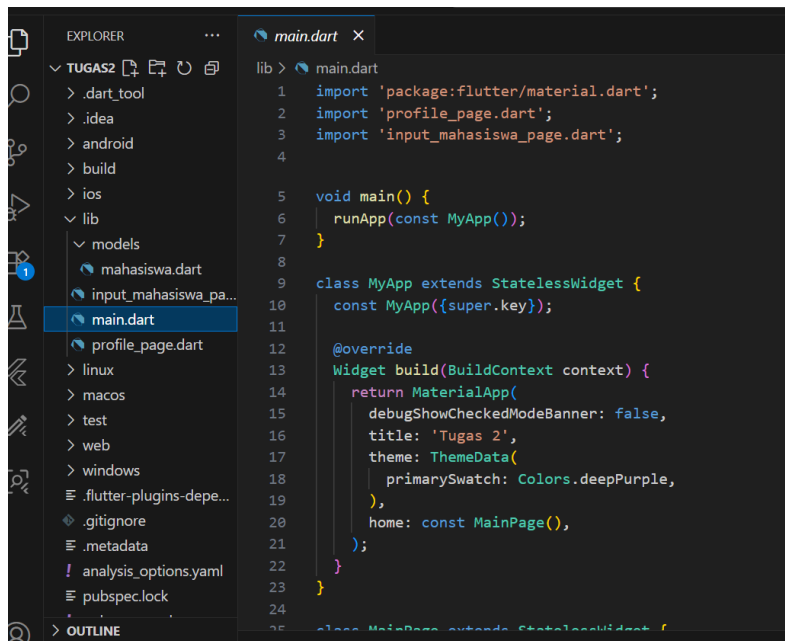
Nama: ROMA ULINA

Kelas: 5C – SI

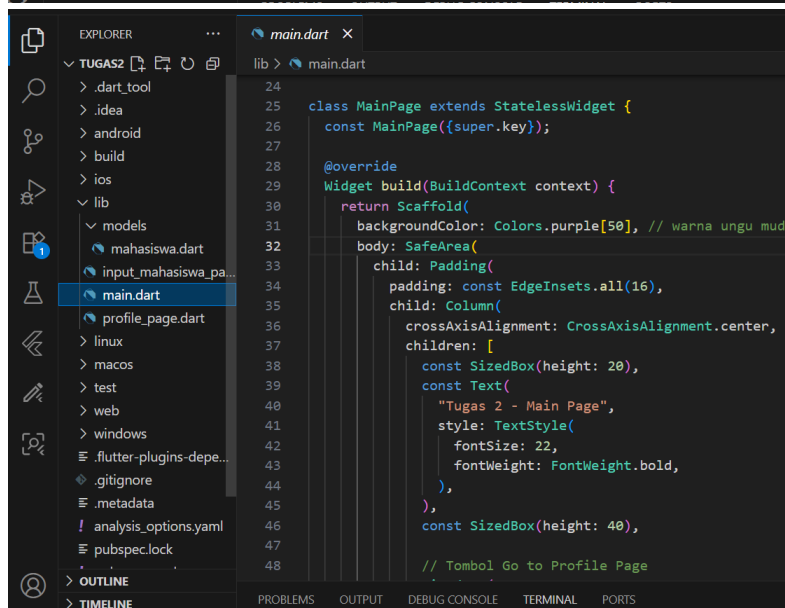
NPM: 2310631250029

Tugas: 2

Main dart:



```
lib > main.dart
1  import 'package:flutter/material.dart';
2  import 'profile_page.dart';
3  import 'input_mahasiswa_page.dart';
4
5  void main() {
6    runApp(const MyApp());
7  }
8
9  class MyApp extends StatelessWidget {
10    const MyApp({super.key});
11
12    @override
13    Widget build(BuildContext context) {
14      return MaterialApp(
15        debugShowCheckedModeBanner: false,
16        title: 'Tugas 2',
17        theme: ThemeData(
18          primarySwatch: Colors.deepPurple,
19        ),
20        home: const MainPage(),
21      );
22    }
23  }
24
25  class MainPage extends StatelessWidget {
```



```
24
25  class MainPage extends StatelessWidget {
26    const MainPage({super.key});
27
28    @override
29    Widget build(BuildContext context) {
30      return Scaffold(
31        backgroundColor: Colors.purple[50], // warna ungu muda
32        body: SafeArea(
33          child: Padding(
34            padding: const EdgeInsets.all(16),
35            child: Column(
36              crossAxisAlignment: CrossAxisAlignment.center,
37              children: [
38                const SizedBox(height: 20),
39                const Text(
40                  "Tugas 2 - Main Page",
41                  style: TextStyle(
42                    fontSize: 22,
43                    fontWeight: FontWeight.bold,
44                  ),
45                ),
46                const SizedBox(height: 40),
47
48                // Tombol Go to Profile Page
```

```
45 ),
46 const SizedBox(height: 40),
47
48 // Tombol Go to Profile Page
49 SizedBox(
50   width: double.infinity,
51   child: ElevatedButton(
52     style: ElevatedButton.styleFrom(
53       backgroundColor: Colors.white,
54       foregroundColor: Colors.purple,
55       shape: RoundedRectangleBorder(
56         borderRadius: BorderRadius.circular(30),
57       ),
58       padding: const EdgeInsets.symmetric(vertical: 16),
59     ),
60     onPressed: () {
61       Navigator.push(
62         context,
63         MaterialPageRoute(builder: (context) => const ProfilePage()),
64       );
65     },
66     child: const Text("Go to Profile Page"),
67   ),
68 ),
69 const SizedBox(height: 20),
```

```
68 ),
69 const SizedBox(height: 20),
70
71 // Tombol Input Mahasiswa
72 SizedBox(
73   width: double.infinity,
74   child: ElevatedButton(
75     style: ElevatedButton.styleFrom(
76       backgroundColor: Colors.white,
77       foregroundColor: Colors.purple,
78       shape: RoundedRectangleBorder(
79         borderRadius: BorderRadius.circular(30),
80       ),
81       padding: const EdgeInsets.symmetric(vertical: 16),
82     ),
83     onPressed: () {
84       Navigator.push(
85         context,
86         MaterialPageRoute(builder: (context) => const InputMahasiswaPage()),
87       );
88     },
89     child: const Text("Input Mahasiswa"),
90   ),
91 ),
92 ),
```

```
85 ),
86 const SizedBox(height: 20),
87
88 // Tombol Input Mahasiswa
89 SizedBox(
90   width: double.infinity,
91   child: ElevatedButton(
92     style: ElevatedButton.styleFrom(
93       backgroundColor: Colors.white,
94       foregroundColor: Colors.purple,
95       shape: RoundedRectangleBorder(
96         borderRadius: BorderRadius.circular(30),
97       ),
98       padding: const EdgeInsets.symmetric(vertical: 16),
99     ),
100     onPressed: () {
101       Navigator.push(
102         context,
103         MaterialPageRoute(builder: (context) => const InputMahasiswaPage()),
104       );
105     },
106     child: const Text("Input Mahasiswa"),
107   ),
108 ),
109 ),
```

Input mahasiswa:

```
input_mahasiswa_page.dart X
lib > input_mahasiswa_page.dart > ...
1 import 'package:flutter/material.dart';
2
3 class InputMahasiswaPage extends StatefulWidget {
4   const InputMahasiswaPage({super.key});
5
6   @override
7   State<InputMahasiswaPage> createState() => _InputMahasiswaPageState();
8 }
9
10 class _InputMahasiswaPageState extends State<InputMahasiswaPage> {
11   final TextEditingController namaController = TextEditingController();
12   final TextEditingController umurController = TextEditingController();
13   final TextEditingController alamatController = TextEditingController();
14   final TextEditingController kontakController = TextEditingController();
15
16   void simpanData() {
17     if (namaController.text.isEmpty ||
18         umurController.text.isEmpty ||
19         alamatController.text.isEmpty ||
20         kontakController.text.isEmpty) {
21       ScaffoldMessenger.of(context).showSnackBar(
22         const SnackBar(content: Text("Semua field harus diisi")),
23       );
24       return;
25     }
26   }
27 }
```

```
input_mahasiswa_page.dart X
lib > input_mahasiswa_page.dart > ...
10 class _InputMahasiswaPageState extends State<InputMahasiswaPage> {
16   void simpanData() {
25   }
26
27   final mahasiswa = {
28     "nama": namaController.text,
29     "umur": umurController.text,
30     "alamat": alamatController.text,
31     "kontak": kontakController.text,
32   };
33
34   Navigator.pop(context, mahasiswa);
35 }
36
37 @override
38 Widget build(BuildContext context) {
39   return Scaffold(
40     appBar: AppBar(title: const Text("Input Mahasiswa")),
41     body: Padding(
42       padding: const EdgeInsets.all(16),
43       child: Column(
44         children: [
45           TextField(controller: namaController, decoration: const InputDecoration(labelText: "Nama")),
46           TextField(controller: umurController, decoration: const InputDecoration(labelText: "Umur")),
47           TextField(controller: alamatController, decoration: const InputDecoration(labelText: "Alamat")),
48         ],
49       ),
50     ),
51   );
52 }
```

```
input_mahasiswa_page.dart X
lib > input_mahasiswa_page.dart > ...
10 class _InputMahasiswaPageState extends State<InputMahasiswaPage> {
38   Widget build(BuildContext context) {
41     body: Padding(
42       padding: const EdgeInsets.all(16),
43       child: Column(
44         children: [
45           TextField(controller: namaController, decoration: const InputDecoration(labelText: "Nama")),
46           TextField(controller: umurController, decoration: const InputDecoration(labelText: "Umur")),
47           TextField(controller: alamatController, decoration: const InputDecoration(labelText: "Alamat")),
48           TextField(controller: kontakController, decoration: const InputDecoration(labelText: "Kontak")),
49           const SizedBox(height: 20),
50           ElevatedButton(
51             onPressed: simpanData,
52             child: const Text("Simpan"),
53           ),
54         ],
55       ),
56     ),
57   );
58 }
59 }
```

## Profile:

```
profile_page.dart X
lib > profile_page.dart > ProfilePage > build
1 import 'package:flutter/material.dart';
2
3 class ProfilePage extends StatelessWidget {
4   const ProfilePage({super.key});
5
6   @override
7   Widget build(BuildContext context) {
8     return Scaffold(
9       appBar: AppBar(title: const Text("Profile Page")),
10      body: const Padding(
11        padding: EdgeInsets.all(16.0),
12        child: Column(
13          crossAxisAlignment: CrossAxisAlignment.start,
14          children: [
15            Text("Nama Aplikasi: Roma App", style: TextStyle(fontSize: 18)),
16            SizedBox(height: 8),
17            Text("Versi: 1.0.0", style: TextStyle(fontSize: 18)),
18            SizedBox(height: 8),
19            Text("Developer: Roma Ulina", style: TextStyle(fontSize: 18)),
20          ],
21        ), // Column
22      ), // Padding
23    ); // Scaffold
24  }
25 }
```

## Mahasiswa:

```
mahasiswa.dart X
lib > models > mahasiswa.dart > ...
1 class Mahasiswa {
2   final String nama;
3   final String umur;
4   final String alamat;
5   final String kontak;
6
7   Mahasiswa({
8     required this.nama,
9     required this.umur,
10    required this.alamat,
11    required this.kontak,
12  });
13 }
14
```

Output:



12:02



## ← Input Mahasiswa

Nama

---

Umur

---

Alamat

---

Kontak

---

Simpan



12:12



## ← Profile Page

Nama Aplikasi: Roma App

Versi: 1.0.0

Developer: Roma Ulina

