

**TUGAS PENDAHULUAN
PEMROGRAMAN PERANGKAT BERGERAK**

**MODUL VII
NAVIGASI DAN NOTIFIKASI**



Disusun Oleh :

M. Edgar Nadhif

2211104019

SE06A

Asisten Praktikum :

Muhammad Faza Zulian Gesit Al Barru

Aisyah Hasna Aulia

Dosen Pengampu :

Yudha Islami Sulistya, S.Kom., M.Cs.

PROGRAM STUDI S1 SOFTWARE ENGINEERING

FAKULTAS INFORMATIKA

TELKOM UNIVERSITY PURWOKERTO

2024

TUGAS PENDAHULUAN

A. SOAL NOMOR 1

- a) Buatlah satu project baru, yang mana di dalamnya terdapat *navigasi* untuk pindah dari satu halaman ke halaman lainnya.

Source code

Main.dart

```
1  import 'package:flutter/material.dart';
2  import 'package:guided_pertemuan6/my_bottom.dart';
3
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        home: MyBottom(),
15      );
16    }
17  }
18
```

My_bottom.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:guided_pertemuan6/Beranda.dart';
3 import 'package:guided_pertemuan6/profile.dart';
4 import 'package:guided_pertemuan6/search.dart';
5
6 class MyBottom extends StatefulWidget {
7   const MyBottom({super.key});
8
9   @override
10  State<MyBottom> createState() => _MyBottomState();
11 }
12
13 class _MyBottomState extends State<MyBottom> {
14   int _currentindex = 0;
15   static List<Widget> _page = <Widget>[
16     MyWidget(),
17     SearchPage(),
18     ProfilePage(),
19   ];
20
21   void _onTappedItem(int index) {
22     setState(() {
23       _currentindex = index;
24     });
25   }
26
27   @override
28   Widget build(BuildContext context) {
29     return Scaffold(
30       body: _page[_currentindex],
31       bottomNavigationBar: BottomNavigationBar(
32         items: const <BottomNavigationBarItem>[
33           BottomNavigationBarItem(
34             icon: Icon(Icons.home),
35             label: 'Home',
36           ),
37           BottomNavigationBarItem(
38             icon: Icon(Icons.search),
39             label: 'Search',
40           ),
41           BottomNavigationBarItem(
42             icon: Icon(Icons.person),
43             label: 'Profile',
44           ),
45         ],
46         currentIndex: _currentindex,
47         selectedItemColor: Colors.amber[800],
48         onTap: _onTappedItem,
49       ),
50     );
51   }
52 }
53
```

Beranda.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:google_fonts/google_fonts.dart';
3
4 class MyWidget extends StatefulWidget {
5   const MyWidget({super.key});
6
7   @override
8   _MyWidgetState createState() => _MyWidgetState();
9 }
10
11 class _MyWidgetState extends State<MyWidget> {
12   @override
13   Widget build(BuildContext context) {
14     return Scaffold(
15       appBar: AppBar(
16         title: Text(
17           'Beranda',
18           style: GoogleFonts.poppins(),
19         ),
20         backgroundColor: Colors.orange,
21       ),
22       body: Padding(
23         padding: const EdgeInsets.all(16.0),
24         child: Column(
25           children: [
26             const TextField(
27               keyboardType: TextInputType.phone,
28               decoration: InputDecoration(
29                 hintText: "Masukkan Nama",
30                 border: OutlineInputBorder(),
31                 prefixIcon: Icon(Icons.person),
32               ),
33             ),
34             const SizedBox(
35               height: 20,
36             ),
37             const TextField(
38               keyboardType: TextInputType.emailAddress,
39               decoration: InputDecoration(
40                 hintText: "Masukkan Email",
41                 border: OutlineInputBorder(),
42                 prefixIcon: Icon(
43                   Icons.email,
44                 ),
45             ),
46             ),
47             const SizedBox(
48               height: 20,
49             ),
50             ElevatedButton(
51               onPressed: () {
52                 print('Tombol Elevated ditekan!');
53               },
54               style: ElevatedButton.styleFrom(
55                 backgroundColor: Colors.orangeAccent,
56                 shape: RoundedRectangleBorder(
57                   borderRadius: BorderRadius.circular(30.0),
58                 ),
59                 padding:
60                   const EdgeInsets.symmetric(horizontal: 40, vertical: 15),
61             ),
62             child: Text(
63               'Submit',
64               style: GoogleFonts.poppins(
65                 fontSize: 16,
66                 fontWeight: FontWeight.bold,
67                 color: Colors.white,
68               ),
69             ),
70           ],
71         ),
72       ),
73     );
74   }
75 }
76
77
```

Search.dart

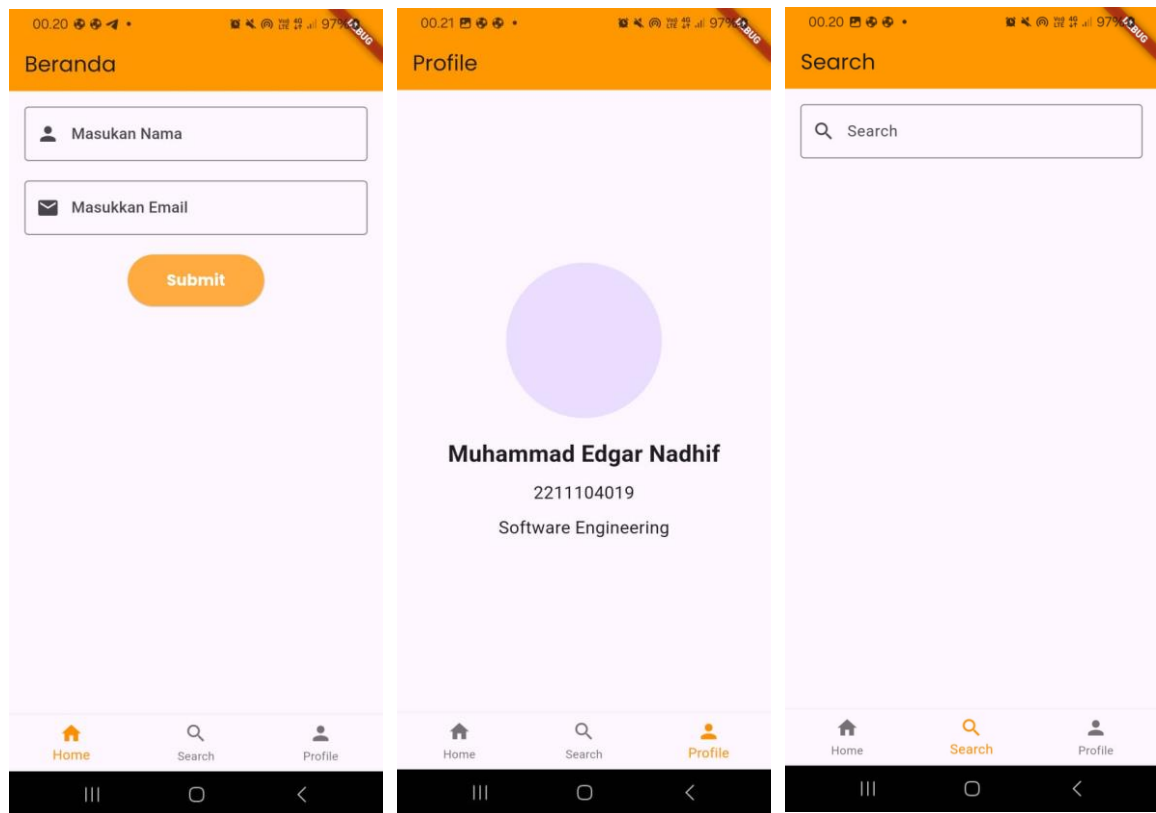
```
1 import 'package:flutter/material.dart';
2 import 'package:google_fonts/google_fonts.dart';
3
4 class SearchPage extends StatelessWidget {
5   const SearchPage({Key? key}) : super(key: key);
6
7   @override
8   Widget build(BuildContext context) {
9     return Scaffold(
10       appBar: AppBar(
11         title: Text('Search', style: GoogleFonts.poppins()),
12         backgroundColor: Colors.orange,
13       ),
14       body: const Padding(
15         padding: EdgeInsets.all(16.0),
16         child: Column(
17           children: <Widget>[
18             TextField(
19               decoration: InputDecoration(
20                 labelText: 'Search',
21                 prefixIcon: Icon(Icons.search),
22                 border: OutlineInputBorder(),
23               ),
24             ),
25           ],
26         ),
27       );
28   }
29 }
30
31
```

Profile.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:google_fonts/google_fonts.dart';
3
4 class ProfilePage extends StatelessWidget {
5   const ProfilePage({Key? key}) : super(key: key);
6
7   @override
8   Widget build(BuildContext context) {
9     return Scaffold(
10       appBar: AppBar(
11         title: Text('Profile', style: GoogleFonts.poppins()),
12         backgroundColor: Colors.orange,
13       ),
14       body: const Center(
15         child: Column(
16           mainAxisAlignment: MainAxisAlignment.center,
17           children: <Widget>[
18             CircleAvatar(
19               radius: 80,
20               backgroundImage: AssetImage(''),
21             ),
22             SizedBox(height: 20),
23
24             Text(
25               'Muhammad Edgar Nadhif',
26               style: TextStyle(
27                 fontSize: 24,
28                 fontWeight: FontWeight.bold,
29               ),
30             ),
31             SizedBox(height: 10),
32             // NIM
33             Text(
34               '2211104019',
35               style: TextStyle(
36                 fontSize: 18,
37               ),
38             ),
39             SizedBox(height: 10),
40             Text(
41               'Software Engineering',
42               style: TextStyle(
43                 fontSize: 18,
44               ),
45             ),
46           ],
47         ),
48       ),
49     );
50   }
51 }
52
```

Screenshoot Output

(lampirkan bukti screenshoot output dari sourcecode)



Deskripsi Program

(deskripsikan program apa yang dibuat, memakai algoritma, dan cara kerja program sampai ke output yang dihasilkan dengan bahasa sendiri) **minimal 5 kalimat.**

Aplikasi ini menggunakan struktur navigasi bottom navigation bar untuk mengelola tiga halaman yaitu :Beranda, Search, dan profile. Setiap halaman memiliki fitur spesifik seperti di beranda ada input nama dan email serta ada tombol submit yang menampilkan pesan di konsol ketika ditekan. Kemudian ada dihalaman search, hanya menampilkan kotak search saja. Kemudian ada halaman profile untuk menampilkan deskripsi singkat mengenai biodata pembuat seperti foto, nama, NIM serta jurusan. Di aplikasi ini juga menerapkan `_onTappedItem` Ketika pengguna menekan ikon navigasi bawah, aplikasi akan menampilkan halaman yang sesuai.