

TUGAS PENDAHULUAN
PEMROGRAMAN PERANGKAT BERGERAK
MODUL VII
NAVIGASI DAN NOTIFIKASI



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PROGRAM STUDI S1 SOFTWARE ENGINEERING

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TELKOM UNIVERSITY PURWOKERTO

2024

TUGAS PENDAHULUAN

A. SOAL NOMOR 1

- a. buatlah satu project baru, yang mana didalamnya terdapat **navigasi** untuk pindah dari satu halaman ke halaman lainnya.

Source code:

Main.dart



```
1 import 'package:flutter/material.dart';
2 import 'package:unguided/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

code:

```
1 import 'package:flutter/material.dart';
2 import 'package:unguided/Beranda.dart';
3 import 'package:unguided/profil.dart';
4 import 'package:unguided/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: const Color.fromARGB(255, 5, 162, 246),
48         onTap: _onTappedItem,
49       ),
50     );
51   }
52 }
53
```

Beranda.dart

code:

```
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: const Color.fromARGB(255, 0, 187, 255),
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: "Masukan 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: const Color.fromARGB(255, 3, 185, 251),
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

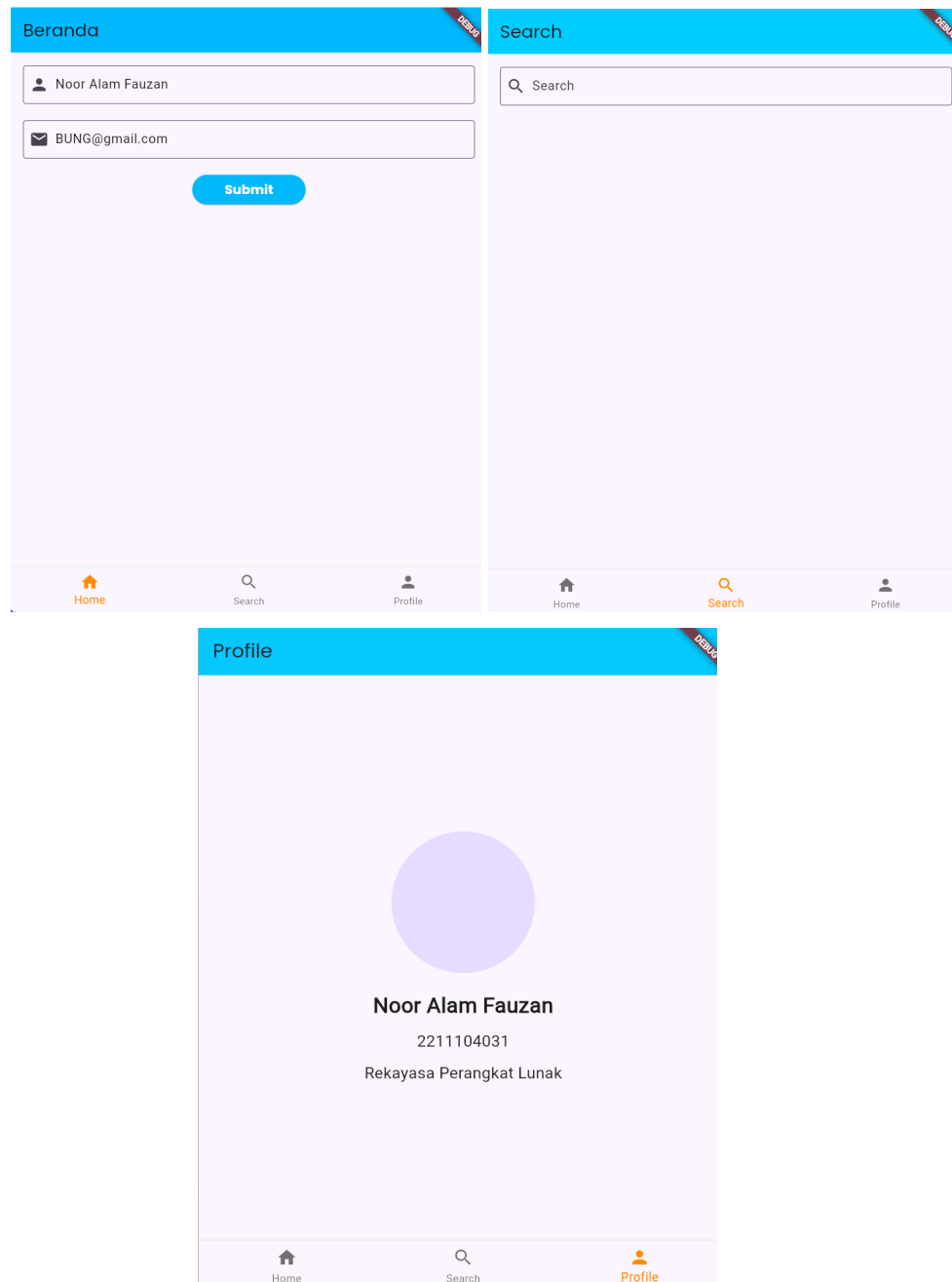
code:

```
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: const Color.fromARGB(255, 0, 208, 255),
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
```

Profil.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: const Color.fromARGB(255, 9, 202, 255),
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            Text(
24              'Noor Alam Fauzan',
25              style: TextStyle(
26                fontSize: 24,
27                fontWeight: FontWeight.bold,
28              ),
29            ),
30            SizedBox(height: 10),
31            // NIM
32            Text(
33              '2211104031',
34              style: TextStyle(
35                fontSize: 18,
36              ),
37            ),
38            SizedBox(height: 10),
39            Text(
40              'Rekayasa Perangkat Lunak',
41              style: TextStyle(
42                fontSize: 18,
43              ),
44            ),
45          ],
46        ),
47      );
48   }
49 }
50
51 }
52
```

OUTPUT:



Deskripsi Program :

Aplikasi diatas menggunakan bottom navigation bar dengan tiga halaman utama: Beranda, Search, dan Profil. Di Beranda, ada input nama, email, dan tombol submit untuk menampilkan pesan di konsol. Search hanya berisi kotak pencarian, sedangkan Profil memuat info pembuat seperti foto, nama, NIM, dan jurusan. Dengan `_onItemTapped`, ikon navigasi akan menampilkan halaman sesuai pilihan pengguna.

