

**LAPORAN PRAKTIKUM  
PEMROGRAMAN PERANGKAT BERGERAK**

**MODUL VI  
INTERAKSI PENGGUNA**



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**PROGRAM STUDI S1 SOFTWARE ENGINEERING**

**FAKULTAS INFORMATIKA**

**TELKOM UNIVERSITY PURWOKERTO**

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## GUIDED

### Source Code :

#### Main.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:pertemuan_6/mybottomtab.dart';
3 // import 'package:guided_6/myPackage.dart';
4 // import 'package:guided_6/myTabbar.dart';
5 import 'package:google_fonts/google_fonts.dart';
6
7 void main() {
8   runApp(const MyApp());
9 }
10
11 class MyApp extends StatelessWidget {
12   const MyApp({super.key});
13
14   @override
15   Widget build(BuildContext context) {
16     return MaterialApp(
17       title: 'Package Flutter',
18       theme: ThemeData(
19         colorScheme: ColorScheme.fromSeed(
20           seedColor: const Color.fromARGB(255, 158, 24, 15)),
21         useMaterial3: true,
22         textTheme: GoogleFonts.poppinsTextTheme(),
23       ),
24       home: const MyBottomTab(),
25       debugShowCheckedModeBanner: false,
26     );
27   }
28 }
29
30 class MyHomePage extends StatefulWidget {
31   const MyHomePage({super.key, required this.title});
32   final String title;
33   @override
34   State<MyHomePage> createState() => _MyHomePageState();
35 }
36
37 class _MyHomePageState extends State<MyHomePage> {
38   @override
39   Widget build(BuildContext context) {
40     return Scaffold(
41       appBar: AppBar(
42         backgroundColor: Theme.of(context).colorScheme.inversePrimary,
43         title: Text(widget.title),
44       ),
45       body: const Center(
46         child: Column(
47           mainAxisAlignment: MainAxisAlignment.center,
48           children: <Widget>[
49             const Text(
50               'Homepage',
51             ),
52           ],
53         ),
54       ),
55     );
56   }
57 }
```

#### Mybottomtab.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:pertemuan_6/myTabbar.dart';
3 import 'package:pertemuan_6/mypackage.dart';
4
5 class MyBottomTab extends StatefulWidget {
6   const MyBottomTab({super.key});
7
8   @override
9   State<MyBottomTab> createState() => _MyBottomTabState();
10 }
11
12 class _MyBottomTabState extends State<MyBottomTab> {
13   int _currentIndex = 0;
14
15   static const List<Widget> _page = <Widget>[
16     MyTabbar(),
17     Mypackage(),
18     Mypackage()
19   ];
20
21   void _onItemTapped(int index) {
22     setState(() {
23       _currentIndex = index;
24     });
25   }
26
27   @override
28   Widget build(BuildContext context) {
29     return Scaffold(
30       appBar: AppBar(
31         title: const Text('Bottom Navbar'),
32         centerTitle: true,
33       ),
34       body: _page[_currentIndex],
35       bottomNavigationBar: BottomNavigationBar(
36         items: const <BottomNavigationBarItem>[
37           BottomNavigationBarItem(
38             icon: Icon(Icons.home_filled), label: "Home"),
39           BottomNavigationBarItem(
40             icon: Icon(Icons.camera_enhance_rounded), label: "Post"),
41           BottomNavigationBarItem(
42             icon: Icon(Icons.account_box_rounded), label: "Account")
43         ],
44         currentIndex: _currentIndex,
45         onTap: _onItemTapped,
46         selectedItemColor: const Color.fromARGB(255, 158, 24, 15),
47       ),
48     );
49 }
```

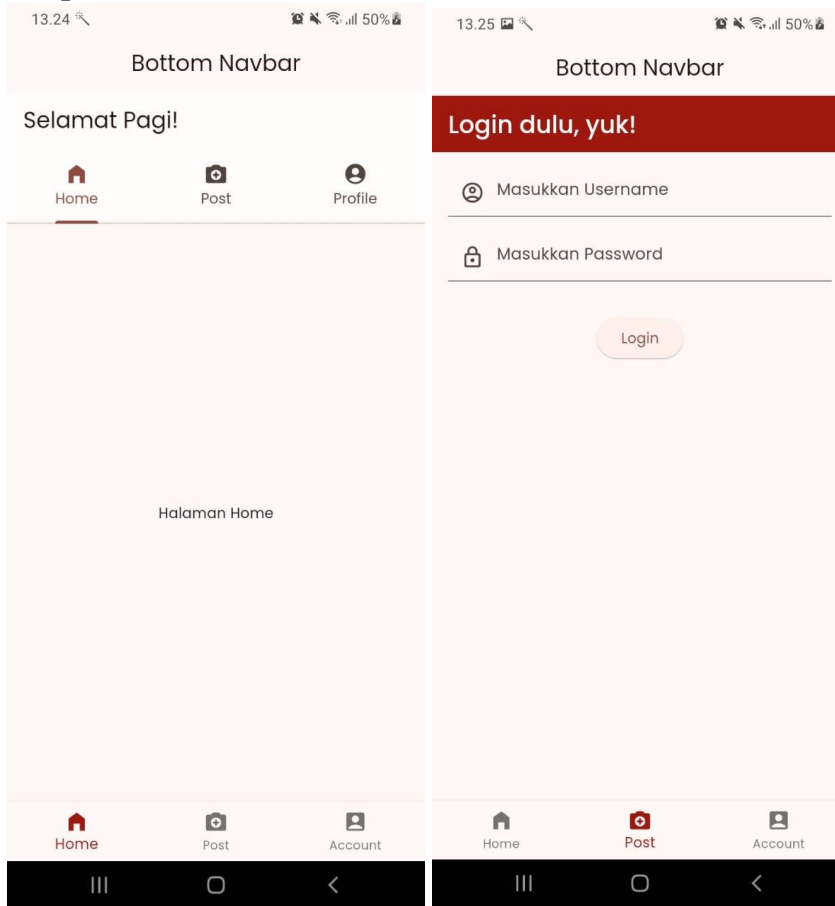
## Mypackage.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:google_fonts/google_fonts.dart';
3
4 class Mypackage extends StatelessWidget {
5   const Mypackage({super.key});
6
7   @override
8   Widget build(BuildContext context) {
9     return Scaffold(
10       appBar: AppBar(
11         title: Text(
12           'Login dulu, yuk!',
13           style: GoogleFonts.poppins(
14             fontSize: 24, fontWeight: FontWeight.w500, color: Colors.white),
15         ),
16       backgroundColor: const Color.fromARGB(255, 158, 24, 15),
17     ),
18     body: Padding(
19       padding: const EdgeInsets.all(16),
20       child: Column(
21         children: [
22           TextFormField(
23             keyboardType: TextInputType.emailAddress,
24             decoration: const InputDecoration(
25               // icon: Icon(Icons.email_outlined),
26               hintText: 'Masukkan Username',
27               prefixIcon: Icon(Icons.account_circle_outlined)),
28           ),
29           const SizedBox(
30             height: 16,
31           ),
32           TextFormField(
33             obscureText: true,
34             obscuringCharacter: '@',
35             keyboardType: TextInputType.visiblePassword,
36             decoration: const InputDecoration(
37               // icon: Icon(Icons.lock_outline_rounded),
38               hintText: 'Masukkan Password',
39               prefixIcon: Icon(Icons.lock_outline_rounded)),
40           ),
41           const SizedBox(
42             height: 32,
43           ),
44           ElevatedButton(onPressed: () {}, child: const Text('Login'))
45         ],
46       ),
47     );
48   }
49 }
50 }
```

## Mytabbar.dart

```
1 import 'package:flutter/material.dart';
2
3 class MyTabBar extends StatefulWidget {
4   const MyTabBar({super.key});
5
6   @override
7   State<MyTabBar> createState() => _MyTabBarState();
8 }
9
10 class _MyTabBarState extends State<MyTabBar> {
11   @override
12   Widget build(BuildContext context) {
13     return DefaultTabController(
14       length: 3,
15       child: Scaffold(
16         appBar: AppBar(
17           title: const Text('Selamat Pagii!'),
18           backgroundColor: Colors.white70,
19           bottom: const TabBar(tabs: [
20             Tab(
21               icon: Icon(Icons.home_filled),
22               text: "Home",
23             ),
24             Tab(
25               icon: Icon(Icons.camera_enhance_rounded),
26               text: "Post",
27             ),
28             Tab(
29               icon: Icon(Icons.account_circle),
30               text: "Profile",
31             )
32           ]),
33       ),
34       body: const TabBarView(children: [
35         Center(
36           child: Text('Halaman Home'),
37         ),
38         Center(
39           child: Text('Halaman Post'),
40         ),
41         Center(
42           child: Text('Halaman Profile'),
43         )
44       ]),
45     );
46   }
47 }
```

## Output :



## Penjelasan :

Aplikasi ini merupakan implementasi dari desain antarmuka pengguna yang interaktif menggunakan Flutter, dengan memanfaatkan paket Google Fonts untuk meningkatkan estetika teks. Struktur utama aplikasi terdiri dari beberapa halaman yang diatur dalam navigasi bawah, termasuk halaman TabBar dengan tiga tab: Home, Post, dan Profile. Halaman login sederhana juga disediakan untuk autentikasi pengguna. Penggunaan tema yang disesuaikan dan pengaturan warna yang konsisten memberikan pengalaman pengguna yang menarik dan responsif. Aplikasi ini bertujuan untuk menyediakan platform yang mudah digunakan dengan navigasi yang intuitif.

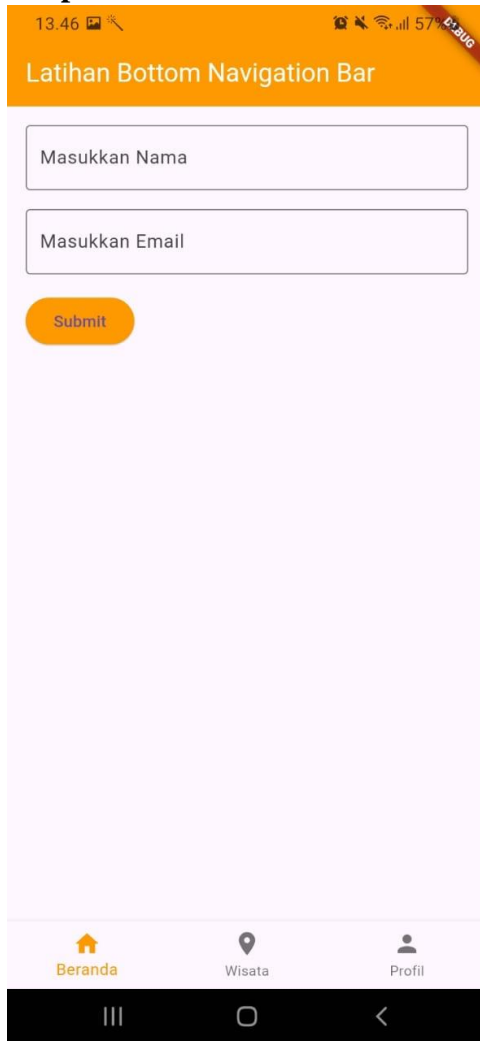
# UNGUIDED

## Source Code :

```
1 import 'package:flutter/material.dart';
2
3 void main() {
4   runApp(MyApp());
5 }
6
7 class MyApp extends StatelessWidget {
8   @override
9   Widget build(BuildContext context) {
10     return MaterialApp(
11       home: HomePage(),
12     );
13   }
14 }
15
16 class HomePage extends StatefulWidget {
17   @override
18   _HomePageState createState() => _HomePageState();
19 }
20
21 class _HomePageState extends State<HomePage> {
22   int _selectedIndex = 0;
23
24   // Declare the TextEditingControllers here
25   final TextEditingController _nameController = TextEditingController();
26   final TextEditingController _emailController = TextEditingController();
27
28   void _onItemTapped(int index) {
29     setState(() {
30       _selectedIndex = index;
31     });
32   }
33
34   @override
35   Widget build(BuildContext context) {
36     // Use _nameController and _emailController inside the build method
37     final List<Widget> _pages = [
38       Padding(
39         padding: const EdgeInsets.all(16.0),
40         child: Column(
41           crossAxisAlignment: CrossAxisAlignment.start, // Align widgets to the start (left)
42           mainAxisAlignment: MainAxisAlignment.start, // Align widgets to the top
43           children: [
44             TextField(
45               controller: _nameController,
46               decoration: InputDecoration(
47                 labelText: 'Masukkan Nama',
48                 border: OutlineInputBorder(),
49               ),
50             ),
51             SizedBox(height: 16),
52             TextField(
53               controller: _emailController,
54               decoration: InputDecoration(
55                 labelText: 'Masukkan Email',
56                 border: OutlineInputBorder(),
57               ),
58             ),
59           ],
60         ),
61       ],
62     );
```

```
1
2     SizedBox(height: 16),
3     ElevatedButton(
4       onPressed: () {
5         String name = _nameController.text;
6         String email = _emailController.text;
7         showDialog(
8           context: context,
9           builder: (context) => AlertDialog(
10             title: Text('Data Submitted'),
11             content: Text('Nama: $name\nEmail: $email'),
12             actions: [
13               TextButton(
14                 onPressed: () {
15                   Navigator.pop(context);
16                 },
17                 child: Text('OK'),
18               ),
19             ],
20           ),
21         );
22       },
23       child: Text('Submit'),
24       style: ElevatedButton.styleFrom(
25         backgroundColor: const Color.fromARGB(255, 255, 153, 0), // Button color
26       ),
27     ),
28   ],
29 ),
30 ),
31 Center(child: Text('Ini adalah halaman Wisata')),
32 Center(child: Text('Ini adalah halaman Profil')),
33 ];
34
35 return Scaffold(
36   appBar: AppBar(
37     title: Text(
38       'Latihan Bottom Navigation Bar',
39     ),
40     style: TextStyle(color: Colors.white),
41     backgroundColor: const Color.fromARGB(255, 255, 153, 0),
42   ),
43   body: _pages[_selectedIndex],
44   bottomNavigationBar: BottomNavigationBar(
45     items: const <BottomNavigationBarItem>[
46       BottomNavigationBarItem(
47         icon: Icon(Icons.home),
48         label: 'Beranda',
49       ),
50       BottomNavigationBarItem(
51         icon: Icon(Icons.place),
52         label: 'Wisata',
53       ),
54       BottomNavigationBarItem(
55         icon: Icon(Icons.person),
56         label: 'Profil',
57       ),
58     ],
59     currentIndex: _selectedIndex,
60     selectedItemColor: const Color.fromARGB(255, 255, 153, 0),
61     onTap: _onItemTapped,
62   ),
63 );
64 }
65 }
```

## Output :



## Penjelasan :

Aplikasi Flutter ini merupakan contoh penggunaan Bottom Navigation Bar untuk navigasi antar halaman. Terdapat tiga halaman utama: Beranda, Wisata, dan Profil. Halaman Beranda dilengkapi dengan dua TextField untuk memasukkan nama dan email pengguna, serta tombol Submit yang akan menampilkan dialog konfirmasi dengan informasi yang dimasukkan. Desain antarmuka menggunakan AppBar berwarna cerah, serta tampilan yang responsif dan intuitif. Aplikasi ini menunjukkan cara mengelola state dan menggunakan TextEditingController untuk mengontrol input teks, memberikan pengalaman pengguna yang interaktif dan menarik.