

Nama : Farhan Kurniawan

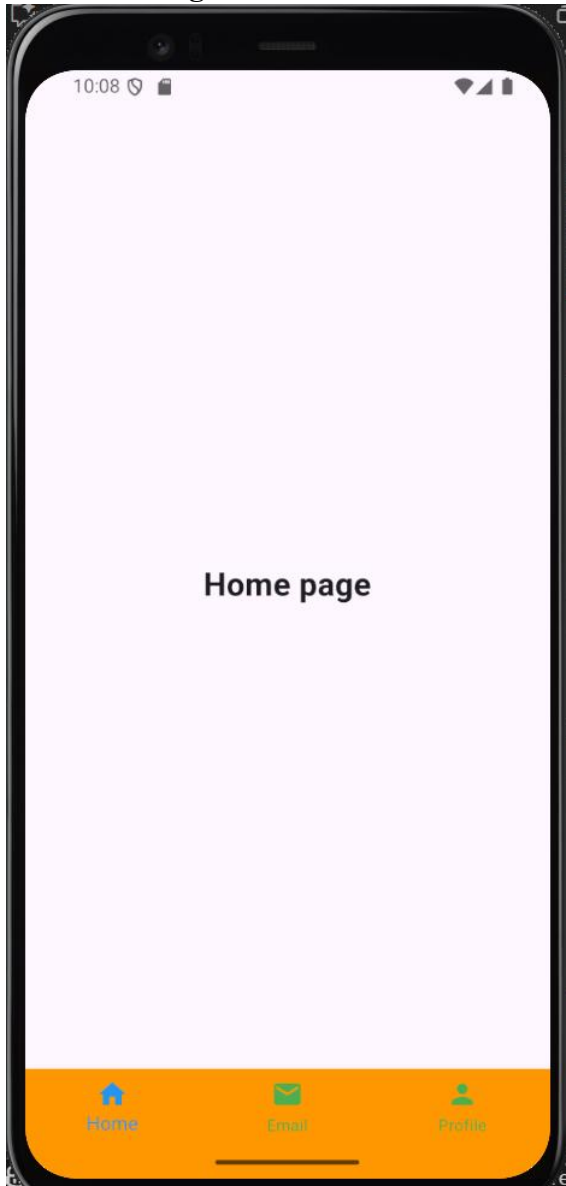
Kelas : SE-07-02

NIM : 2311104073

Link Github:

https://github.com/farkurr/PPB_FarhanKurniawan_2311104073/tree/main/05_Antarmuka_Pengguna_Lanjutan/Tugas%205%20Advance%20Layout

1. Hasil Running:



2. Kode Main.Dart:

```
3. import 'package:flutter/material.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.       home: const HomeScreen(),
17.     );
18.   }
19. }
20.
21. class HomeScreen extends StatefulWidget {
22.   const HomeScreen({super.key});
23.
24.   @override
25.   State<HomeScreen> createState() => _HomeScreenState();
26. }
27.
28. class _HomeScreenState extends State<HomeScreen> {
29.   int _selectedIndex = 0;
30.   final PageController _pageController = PageController();
31.
32.   void _onItemTapped(int index) {
33.     setState(() {
34.       _selectedIndex = index;
35.     });
36.     _pageController.jumpToPage(index);
37.   }
38.
39.   @override
40.   Widget build(BuildContext context) {
41.     return Scaffold(
42.       body: SafeArea(
43.         child: PageView(
44.           controller: _pageController,
45.           onPageChanged: (index) {
46.             setState(() {
47.               _selectedIndex = index;
48.             });
49.           },
```

```
50.         children: const [
51.             Center(
52.                 child: Text(
53.                     'Home page',
54.                     style: TextStyle(fontSize: 24, fontWeight:
55.                         FontWeight.bold),
56.                 ),
57.             Center(
58.                 child: Text(
59.                     'Email page',
60.                     style: TextStyle(fontSize: 24, fontWeight:
61.                         FontWeight.bold),
62.                 ),
63.             Center(
64.                 child: Text(
65.                     'Profile page',
66.                     style: TextStyle(fontSize: 24, fontWeight:
67.                         FontWeight.bold),
68.                 ),
69.         ],
70.     ),
71. ),
72. bottomNavigationBar: BottomNavigationBar(
73.     backgroundColor: Colors.orange,
74.     currentIndex: _selectedIndex,
75.     selectedItemColor: Colors.blue,
76.     unselectedItemColor: Colors.green,
77.     onTap: _onItemTapped,
78.     items: const [
79.         BottomNavigationBarItem(icon: Icon(Icons.home),
80.             label: 'Home'),
81.         BottomNavigationBarItem(icon: Icon(Icons.email),
82.             label: 'Email'),
83.         BottomNavigationBarItem(icon: Icon(Icons.person),
84.             label: 'Profile'),
85.     ],
86. );
87. }
```

3. Penjelasan Fungsi Kode:

- SafeArea: memastikan konten tidak tertutup notch atau status bar.
- PageView: memungkinkan geser antar halaman
- BottomNavigationBar: berpindah antar halaman dengan tap.