

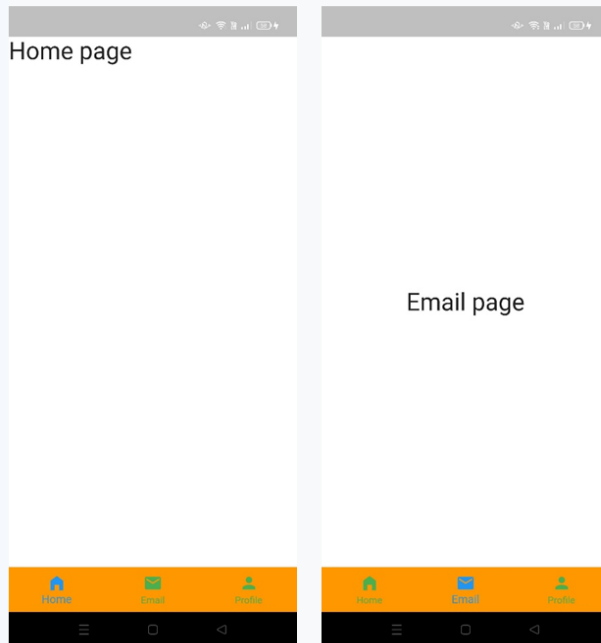
Tugas 5 - Advance Layout

Nama: Marsella Dwi Julianti

NIM: 2311104004

Kelas: SE07-01

Buatlah aplikasi Flutter dengan tampilan seperti di bawah ini menggunakan SafeArea dan PageView:



Aplikasi memiliki 3 page, jika icon di-klik maka page akan berubah sesuai dengan yang di-klik. Buat teks pada salah satu page di posisi paling atas untuk menguji SafeArea.

Jawab:

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      debugShowCheckedModeBanner: false,
12      title: 'SafeArea & PageView Demo',
13      home: HomeScreen(),
14    );
15  }
16 }
17
18 class HomeScreen extends StatefulWidget {
19   @override
20   _HomeScreenState createState() => _HomeScreenState();
21 }
```

```

22
23 class _HomeScreenState extends State<HomeScreen> {
24   int _selectedIndex = 0;
25   late PageController _pageController;
26
27   @override
28   void initState() {
29     super.initState();
30     _pageController = PageController();
31   }
32
33   @override
34   void dispose() {
35     _pageController.dispose();
36     super.dispose();
37   }
38
39   void _onItemTapped(int index) {
40     setState(() {
41       _selectedIndex = index;
42     });
43     _pageController.jumpToPage(index);
44   }
45

```

```

1  @override
2  Widget build(BuildContext context) {
3    return Scaffold(
4      body: SafeArea(
5        child: PageView(
6          controller: _pageController,
7          onPageChanged: (index) {
8            setState(() {
9              _selectedIndex = index;
10            });
11          },
12          children: const [
13            // Halaman Home: teks di kiri atas
14            Padding(
15              padding: EdgeInsets.all(10),
16              child: Align(
17                alignment: Alignment.topLeft,
18                child: Text('Home page', style: TextStyle(fontSize: 24)),
19              ),
20            ),
21            // Halaman Email: teks di tengah
22            Center(child: Text('Email page', style: TextStyle(fontSize: 24))),
23            // Halaman Profile: teks di tengah
24            Center(child: Text('Profile page', style: TextStyle(fontSize: 24))),
25          ],
26        ),
27      ),
28      bottomNavigationBar: BottomNavigationBar(
29        backgroundColor: Colors.orange,
30        selectedItemColor: Colors.blue,
31        unselectedItemColor: Colors.green,
32        currentIndex: _selectedIndex,
33        onTap: _onItemTapped,
34        items: const [
35          BottomNavigationBarItem(icon: Icon(Icons.home), label: 'Home'),
36          BottomNavigationBarItem(icon: Icon(Icons.email), label: 'Email'),
37          BottomNavigationBarItem(icon: Icon(Icons.person), label: 'Profile'),
38        ],
39      ),
40    );
41  }
42 }
43

```

Output:

Home page



Email page

