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- Coding

```
import 'package:flutter/material.dart';

void main() {
  runApp(const MainApp());
}

class MainApp extends StatelessWidget {
  const MainApp({super.key});

  @override
  Widget build(BuildContext context) {
    return const MaterialApp(
      home: TugasPPB(),
    );
  }
}

class TugasPPB extends StatefulWidget {
  const TugasPPB({super.key});

  @override
  State<TugasPPB> createState() => _TugasPPBState();
}

class _TugasPPBState extends State<TugasPPB> {
  int _navIndex = 0;

  static const List<Widget> _navOption = <Widget>[
    Home(),
    Email(),
    Profile(),
  ];

  void _onItemTapped(int index) {
    setState() {
      _navIndex = index;
    }
  }
}
```

```

    });
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        backgroundColor: Colors.amber[800],
        title: const Text('Tugas PPB'),
      ),
      body: Center(
        child: _navOption.elementAt(_navIndex),
      ),
      bottomNavigationBar: BottomNavigationBar(
        items: const <BottomNavigationBarItem>[
          BottomNavigationBarItem(
            icon: Icon(Icons.home_outlined),
            label: 'Home',
          ),
          BottomNavigationBarItem(
            icon: Icon(Icons.email_outlined),
            label: 'Email',
          ),
          BottomNavigationBarItem(
            icon: Icon(Icons.person_2_outlined),
            label: 'Profile',
          ),
        ],
        currentIndex: _navIndex,
        backgroundColor: Colors.amber[800],
        unselectedItemColor: Colors.green,
        selectedItemColor: Colors.blue,
        onTap: _onItemTapped,
      ),
    );
  }
}

```

```

class Home extends StatelessWidget {
  const Home({super.key});

```

```

  @override
  Widget build(BuildContext context) {
    return const Scaffold(

```

```

        body: SafeArea(
          child: Text('Home page (SafeArea)'),
        ));
      }
    }

class Email extends StatelessWidget {
  const Email({super.key});

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: PageView(
        children: const <Widget>[
          Center(
            child: Text('Email Page (PageView)'),
          ),
        ],
      ),
    );
  }
}

class Profile extends StatelessWidget {
  const Profile({super.key});

  @override
  Widget build(BuildContext context) {
    return const Scaffold(
      body: Center(
        child: Text('Profile Page (Center)'),
      ),
    );
  }
}
}

```

- Output

