LAPORAN PRAKTIKUM
MATA KULIAH PEMROGRAMAN MOBILE

Oleh :

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PURWOKERTO

2025

PRAKTIKUM 3

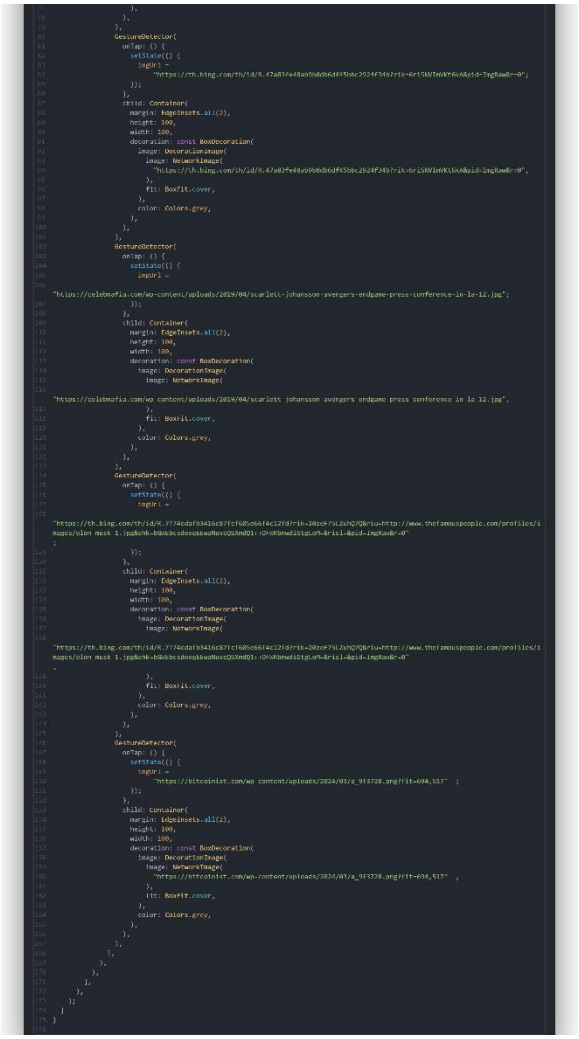
Pada praktikum 3 membuat kode program yang mengimplementasikan berbagai macam konsep: bagaimana menggunakan gambar baik secara lokal dengan konfigurasi di pubec.yaml dan menggunakan link image dengan widget NetworkImage, implementasi dari BottomNavigationBar dimana widget ini dapat menavigasi lebih dari satu page pada aplikasi dengan bantuan routing yang di identifikasi dengan index, kemudian implementasi dari link image as a state jadi bisa dibuat berubah isi link image berdasarkan interaksi pengguna, dan implementasi dari pop() untuk close atau mengembalikan kondisi page ke home page atau page main semula, dan beberapa penggunaan widget lainnya.

1. Kode main.dart

```dart
import 'package:flutter/material.dart';
import 'package:praktikum_3/dosen.dart';
import 'package:praktikum_3/mahasiswa.dart';
import 'package:praktikum_3/matakuliah.dart';
import 'package:praktikum_3/nilai.dart';

void main(List<String> args) {
  runApp(MyApp());
}

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

  @override
  Widget build(BuildContext context) {
    return MaterialApp(home: HomePage(), debugShowCheckedModeBanner: false);
  }
}

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

  @override
  State<HomePage> createState() => _HomePageState();
}

class _HomePageState extends State<HomePage> {
  int _currentIndex = 0;
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Text(
          "BottomNavigation bar dan Navigation",
          style: TextStyle(fontSize: 20),
        ),
      ),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.spaceEvenly,
          children: [
            const Text("oleh: Fajar Ramadhan"),
            Image.asset("assets/gambar/logo-amikom.png"),
          ],
        ),
      ),
      bottomNavigationBar: BottomNavigationBar(
        onTap: (value) {
          setState(() {
            _currentIndex = value;
          });
          panggilHalaman(value);
        },
        currentIndex: _currentIndex,
        selectedItemColor: Colors.white70,
        unselectedItemColor: Colors.white,
        backgroundColor: Colors.deepPurple,
        type: BottomNavigationBarType.fixed,
        items: const [
          BottomNavigationBarItem(icon: Icon(Icons.home), label: ""),
          BottomNavigationBarItem(icon: Icon(Icons.person), label: "Dosen"),
          BottomNavigationBarItem(icon: Icon(Icons.people), label: "Mahasiswa"),
          BottomNavigationBarItem(
            icon: Icon(Icons.subject),
            label: "MataKuliah",
          ),
          BottomNavigationBarItem(icon: Icon(Icons.score), label: "Nilai"),
        ],
      ),
    );
  }

  void panggilHalaman(int index) {
    if (index == 1) {
      Navigator.push(
        context,
        MaterialPageRoute(builder: (context) => const DosenPage()),
      );
    } else if (index == 2) {
      Navigator.push(
        context,
        MaterialPageRoute(builder: (context) => const MahasiswaPage()),
      );
    } else if (index == 3) {
      Navigator.push(
        context,
        MaterialPageRoute(builder: (context) => const MataKuliahPage()),
      );
    } else if (index == 4) {
      Navigator.push(
        context,
        MaterialPageRoute(builder: (context) => const NilaiPage()),
      );
    }
  }
}
```

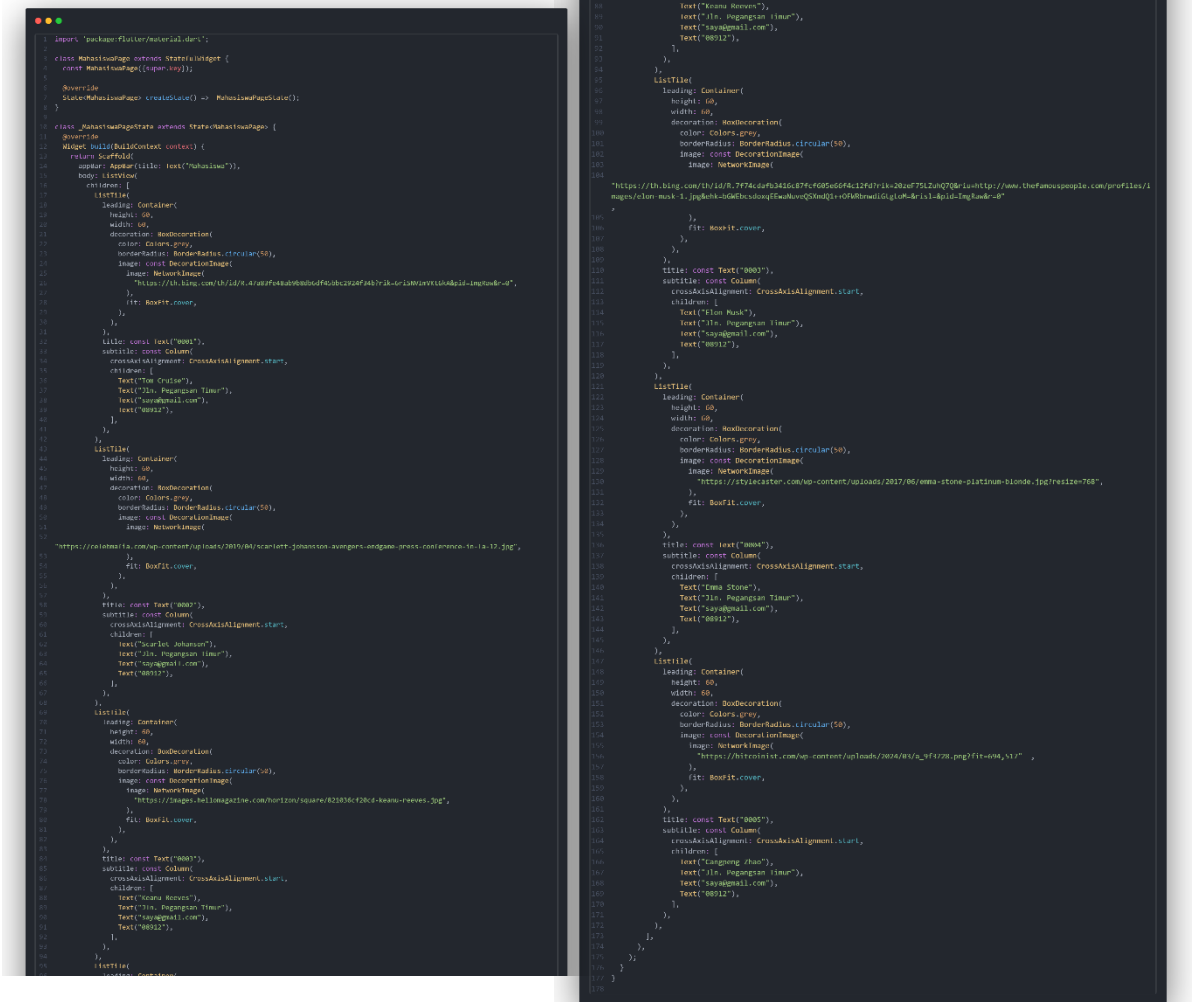
2. Hasil tampilan utama

3. Kode dosen.dart

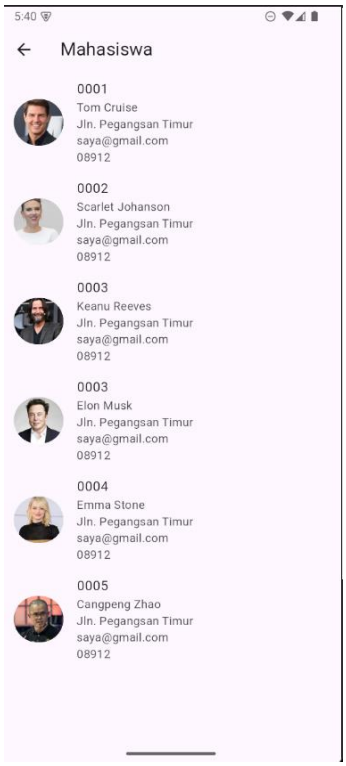


4. Hasil tampilan dosen.dart

5. Kode mahasiswa.dart



6. hasil mahasiswa.dart



7. kode matakuliah.dart

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

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

  @override
  State<MataKuliahPage> createState() => _MataKuliahPageState();
}

class _MataKuliahPageState extends State<MataKuliahPage> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text("Matakuliah")),
      body: Column(
        mainAxisAlignment: MainAxisAlignment.center,
        children: [
          Center(child: Text("Ini halaman Matakuliah")),
          IconButton(
            onPressed: () {
              Navigator.pop(context);
            },
            icon: Icon(Icons.exit_to_app, size: 50),
          ),
        ],
      ),
    );
  }
}
```

8. Hasil matakuliah.dart

9. kode nilai.dart

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

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

  @override
  State<NilaiPage> createState() => _NilaiPageState();
}

class _NilaiPageState extends State<NilaiPage> {
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text("Nilai")),
      body: Center(child: Text("Ini Nilai Page")),
    );
  }
}

```

10. Hasil nilai.dart