

LAPORAN PRAKTIKUM
MATA KULIAH PEMROGRAMAN MOBILE



Oleh :

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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

```
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("Olleh: 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

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

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

  @override
  Widget build(BuildContext context) => _DosenPageState();
}

class _DosenPageState extends State<DosenPage> {
  String imageUrl =
    "https://st126usercontent.com/wp-content/uploads/2017/06/ama-sione-platinum-blonde.jpg?resize=768%";
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('Dosen')),
      body: Container(
        width: MediaQuery.of(context).size.width,
        height: MediaQuery.of(context).size.height,
        decoration: BoxDecoration(
          color: Colors.grey,
          image: DecorationImage(
            image: NetworkImage(imageUrl),
            fit: BoxFit.cover,
          ),
        ),
      ),
      floatingActionButton: FloatingActionButton(
        onPressed: () {
          Navigator.push(
            context,
            MaterialPageRoute(
              builder: (context) => _DosenPageState(),
            ),
          );
        },
      ),
    );
  }
}

class _DosenPageState extends State<DosenPage> {
  String imageUrl =
    "https://st126usercontent.com/wp-content/uploads/2017/06/ama-sione-platinum-blonde.jpg?resize=768%";
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('Dosen')),
      body: Container(
        width: MediaQuery.of(context).size.width,
        height: MediaQuery.of(context).size.height,
        decoration: BoxDecoration(
          color: Colors.grey,
          image: DecorationImage(
            image: NetworkImage(imageUrl),
            fit: BoxFit.cover,
          ),
        ),
      ),
      floatingActionButton: FloatingActionButton(
        onPressed: () {
          Navigator.push(
            context,
            MaterialPageRoute(
              builder: (context) => _DosenPageState(),
            ),
          );
        },
      ),
    );
  }
}
```

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

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

  @override
  Widget build(BuildContext context) => _DosenPageState();
}

class _DosenPageState extends State<DosenPage> {
  String imageUrl =
    "https://st126usercontent.com/wp-content/uploads/2017/06/ama-sione-platinum-blonde.jpg?resize=768%";
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('Dosen')),
      body: Container(
        width: MediaQuery.of(context).size.width,
        height: MediaQuery.of(context).size.height,
        decoration: BoxDecoration(
          color: Colors.grey,
          image: DecorationImage(
            image: NetworkImage(imageUrl),
            fit: BoxFit.cover,
          ),
        ),
      ),
      floatingActionButton: FloatingActionButton(
        onPressed: () {
          Navigator.push(
            context,
            MaterialPageRoute(
              builder: (context) => _DosenPageState(),
            ),
          );
        },
      ),
    );
  }
}

class _DosenPageState extends State<DosenPage> {
  String imageUrl =
    "https://st126usercontent.com/wp-content/uploads/2017/06/ama-sione-platinum-blonde.jpg?resize=768%";
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(title: Text('Dosen')),
      body: Container(
        width: MediaQuery.of(context).size.width,
        height: MediaQuery.of(context).size.height,
        decoration: BoxDecoration(
          color: Colors.grey,
          image: DecorationImage(
            image: NetworkImage(imageUrl),
            fit: BoxFit.cover,
          ),
        ),
      ),
      floatingActionButton: FloatingActionButton(
        onPressed: () {
          Navigator.push(
            context,
            MaterialPageRoute(
              builder: (context) => _DosenPageState(),
            ),
          );
        },
      ),
    );
  }
}
```

```

80 satellite: const Column
81 children: [
82   text("Youse Reeves"),
83   text("jls. yagungan timur"),
84   text("sayagmail.com"),
85   text("8812").
86 ],
87 },
88 },
89 ListTile
90 leading: Container(
91   height: 60,
92   width: 60,
93   decoration: BoxDecoration(
94     color: Colors.grey,
95     borderRadius: BorderRadius.circular(30),
96     image: const DecorationImage(
97       image: NetworkImage(
98         "https://lh3.googleusercontent.com/48746d87469066d412f4d1e128a572a2Q7Q8r-icv0tj/sem.thefamouspeople.com/profiles/1-nugra/coklat-1.jpg?h=345&itoc&img=webp&v=Q5mJd1s-r0fM8ruid4d1g0w4r1s4pid-fm4w&w=80"
99       ),
100     ),
101   ),
102   ),
103   ),
104   title: const Text("8805"),
105   subtitle: const Column(
106     crossAxisAlignment: CrossAxisAlignment.start,
107     children: [
108       text("Film Muz"),
109       text("jls. yagungan timur"),
110       text("sayagmail.com"),
111       text("8812").
112     ],
113   ),
114   ),
115   ),
116   ),
117   ListTile
118 leading: Container(
119   height: 60,
120   width: 60,
121   decoration: BoxDecoration(
122     color: Colors.grey,
123     borderRadius: BorderRadius.circular(30),
124     image: const DecorationImage(
125       image: NetworkImage(
126         "https://staticaster.com/wp-content/uploads/2027/05/emma-stone-slatium-blond.jpg?resize=768"
127       ),
128     ),
129   ),
130   ),
131   ),
132   ),
133   title: const text("mont"),
134   subtitle: const Column(
135     crossAxisAlignment: CrossAxisAlignment.start,
136     children: [
137       text("Tema Stone"),
138       text("jls. yagungan timur"),
139       text("sayagmail.com"),
140       text("8812").
141     ],
142   ),
143   ),
144   ),
145   ),
146   ),
147   ListTile
148 leading: Container(
149   height: 60,
150   width: 60,
151   decoration: BoxDecoration(
152     color: Colors.grey,
153     borderRadius: BorderRadius.circular(30),
154     image: const DecorationImage(
155       image: NetworkImage(
156         "https://bitcrist.com/wp-content/uploads/2024/01/u_nofc728.png?fit=656,511"
157       ),
158     ),
159   ),
160   ),
161   ),
162   ),
163   title: const Text("8805"),
164   subtitle: const Column(
165     crossAxisAlignment: CrossAxisAlignment.start,
166     children: [
167       text("Tangung /kio"),
168       text("jls. yagungan timur"),
169       text("sayagmail.com"),
170       text("8812").
171     ],
172   ),
173   ),
174   ),
175   ),
176   ),
177   ),
178   ),

```

6. hasil mahasiswa.dart



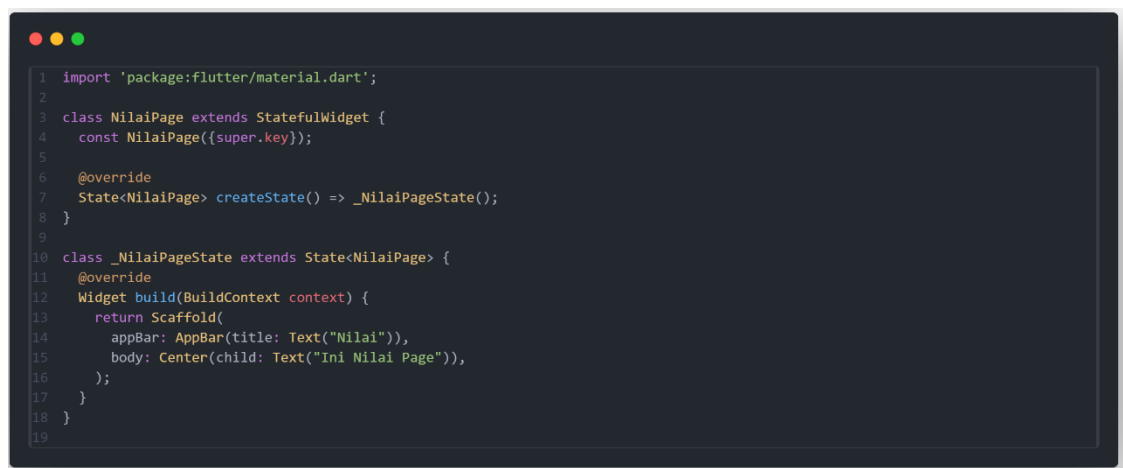
7. kode matakuliah.dart

```
1 import 'package:flutter/material.dart';
2
3 class MatakuliahPage extends StatefulWidget {
4   const MatakuliahPage({super.key});
5
6   @override
7   State<MatakuliahPage> createState() => _MatakuliahPageState();
8 }
9
10 class _MatakuliahPageState extends State<MatakuliahPage> {
11   @override
12   Widget build(BuildContext context) {
13     return Scaffold(
14       appBar: AppBar(title: Text("Matakuliah")),
15       body: Column(
16         mainAxisAlignment: MainAxisAlignment.center,
17         children: [
18           Center(child: Text("Ini halaman Matakuliah")),
19           IconButton(
20             onPressed: () {
21               Navigator.pop(context);
22             },
23             icon: Icon(Icons.exit_to_app, size: 50),
24           ),
25         ],
26       ),
27     );
28   }
29 }
30
```

8. Hasil matakuliah.dart



9. kode nilai.dart



10. Hasil nilai.dart

