

**TUGAS PENDAHULUAN / TUGAS UNGUIDED
PEMROGRAMAN PERANGKAT BERGERAK**

**MODUL VI
INTERAKSI PENGGUNA**



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SE 07 02

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**PROGRAM STUDI S1 SOFTWARE ENGINEERING
FAKULTAS INFORMATIKA
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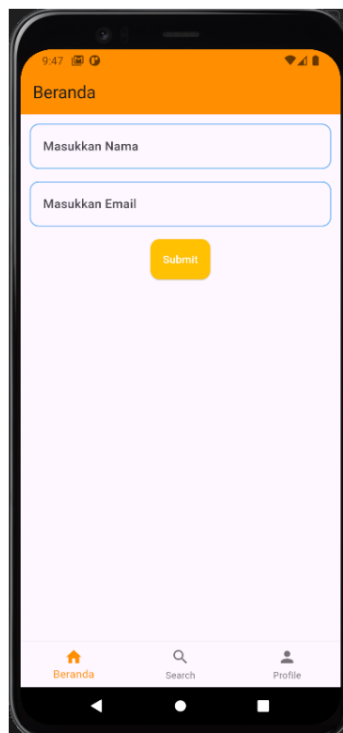
TUGAS PENDAHULUAN / TUGAS UNGUIDED

A. SOAL

Tugas Mandiri (Unguided)

1. Modifikasi project TP 06 (Tugas Pendahuluan) Interaksi Pengguna, dengan mengimplementasikan penggunaan form dan button.

Contoh output:



Note: Jangan lupa sertakan source code, screenshot output, dan deskripsi program.

B. JAWABAN

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

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      title: 'Latihan BottomNavigationBar',
      theme: ThemeData(
        primarySwatch: Colors.orange,
      ),
      home: BottomNavExample(),
    );
  }
}

class BottomNavExample extends StatefulWidget {
  @override
  _BottomNavExampleState createState() => _BottomNavExampleState();
}

class _BottomNavExampleState extends State<BottomNavExample> {
  int _selectedIndex = 0;

  // Controller untuk form input
  final TextEditingController _namaController = TextEditingController();
  final TextEditingController _emailController = TextEditingController();

  // Halaman yang berbeda-beda
  late List<Widget> _pages;

  @override
  void initState() {
    super.initState();
    _pages = <Widget>[
      _buildHomePage(),
      const Center(child: Text('Ini adalah halaman Wisata', style: TextStyle(fontSize: 18))),
      const Center(child: Text('Ini adalah halaman Profil', style: TextStyle(fontSize: 18))),
    ];
  }

  // Halaman Beranda dengan Form dan Button
  Widget _buildHomePage() {
    return Padding(
      padding: const EdgeInsets.all(20),
      child: Column(
        mainAxisAlignment: MainAxisAlignment.center,
```

```

children: [
  const Text(
    'Masukkan Data Anda',
    style: TextStyle(fontSize: 20, fontWeight: FontWeight.bold, color: Colors.orange),
  ),
  const SizedBox(height: 20),
  TextField(
    controller: _namaController,
    decoration: InputDecoration(
      labelText: 'Masukkan Nama',
      border: OutlineInputBorder(borderRadius: BorderRadius.circular(10)),
    ),
  ),
  const SizedBox(height: 15),
  TextField(
    controller: _emailController,
    decoration: InputDecoration(
      labelText: 'Masukkan Email',
      border: OutlineInputBorder(borderRadius: BorderRadius.circular(10)),
    ),
  ),
  const SizedBox(height: 20),
  ElevatedButton(
    style: ElevatedButton.styleFrom(
      backgroundColor: Colors.orange,
      shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(10)),
      padding: const EdgeInsets.symmetric(horizontal: 40, vertical: 15),
    ),
    onPressed: () {
      String nama = _namaController.text;
      String email = _emailController.text;

      // Tampilkan hasil input menggunakan SnackBar
      ScaffoldMessenger.of(context).showSnackBar(
        SnackBar(
          content: Text('Halo $nama, email kamu: $email'),
          backgroundColor: Colors.orange,
        ),
      );
    },
    child: const Text('Submit', style: TextStyle(color: Colors.white, fontSize: 16)),
  ),
],
),
);
}

void _onItemTapped(int index) {
  setState(() {
    _selectedIndex = index;
  });
}

@override

```

```
Widget build(BuildContext context) {  
  return Scaffold(  
    appBar: AppBar(  
      title: const Text('Latihan BottomNavigationBar'),  
      backgroundColor: Colors.orange,  
    ),  
    body: _pages[_selectedIndex],  
    bottomNavigationBar: BottomNavigationBar(  
      currentIndex: _selectedIndex,  
      selectedItemColor: Colors.orange,  
      unselectedItemColor: Colors.grey,  
      onTap: _onItemTapped,  
      items: const [  
        BottomNavigationBarItem(  
          icon: Icon(Icons.home),  
          label: 'Beranda',  
        ),  
        BottomNavigationBarItem(  
          icon: Icon(Icons.search),  
          label: 'Search',  
        ),  
        BottomNavigationBarItem(  
          icon: Icon(Icons.person),  
          label: 'Profile',  
        ),  
      ],  
    ),  
  );  
}
```

Screenshot Output

Latihan BottomNavigationBar

Masukkan Data Anda

Masukkan Nama —
fahmi

Masukkan Email —
sayafahmi@gmail.com

Submit

Halo fahmi, email kamu: sayafahmi@gmail.com

Beranda Search Profile

Deskripsi Program

Penjelasan Program

- Halaman Beranda (Home) sekarang punya dua TextField:
 - Masukkan Nama
 - Masukkan Email
- Tombol Submit akan menampilkan hasil input di SnackBar (toast di bawah layar).
- BottomNavigationBar tetap berfungsi untuk pindah antar halaman.
- Warna dan gaya sudah menyesuaikan dengan contoh (tema oranye)