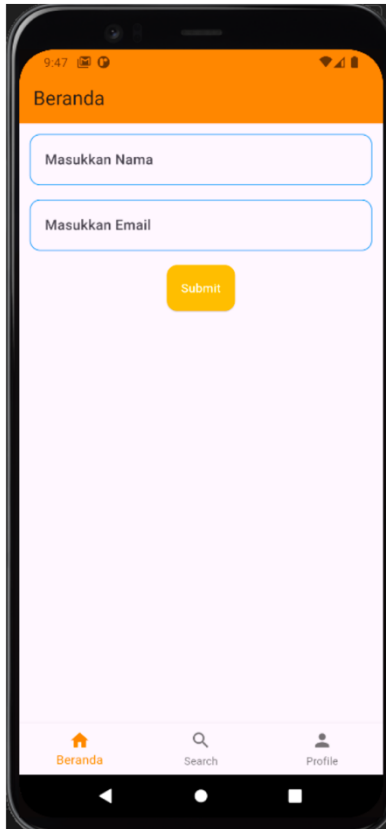


UNGUIDED

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.

Source Code:

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

```
import 'package:google_fonts/google_fonts.dart';
```

```
void main() {  
  runApp(const MyWisata());  
}
```

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

```
  @override
```

```
  Widget build(BuildContext context) {
```

```
    return MaterialApp(  
      title: 'Belajar User Interaction',
```

```
      theme: ThemeData(  
        colorScheme: ColorScheme.fromSeed(seedColor: Colors.yellow),
```

```
        useMaterial3: true,
```

```
        textTheme: GoogleFonts.poppinsTextTheme(),
```

```
      ),
```

```
      home: const MyHomePage(title: 'Beranda'),
```

```
    );
```

```
  }
```

```
}
```

```
class MyHomePage extends StatefulWidget {
```

```
  const MyHomePage({super.key, required this.title});
```

```
  final String title;
```

```
@override  
State<MyHomePage> createState() => _MyHomePageState();  
}
```

```
class _MyHomePageState extends State<MyHomePage> {  
  int _selectedIndex = 0;
```

```
  static final TextStyle optionStyle = GoogleFonts.poppins(  
    fontSize: 30,  
    fontWeight: FontWeight.bold,  
  );
```

```
  static final List<Widget> _widgetOptions = <Widget>[  
    Padding(  
      padding: const EdgeInsets.all(20),  
      child: Column(  
        children: [  
          Container(  
            padding: const EdgeInsets.all(3),  
            child: Text(  
              'FORM LOGIN',  
              style: GoogleFonts.poppins(  
                fontWeight: FontWeight.w900,  
                fontSize: 18,  
              ),  
            ),
```

```
),  
  
),  
  
const SizedBox(height: 10),  
  
TextField(  
  obscureText: false,  
  obscuringCharacter: "*",  
  decoration: InputDecoration(  
    border: OutlineInputBorder(  
      borderRadius: BorderRadius.circular(10),  
    ),  
    prefixIcon: const Icon(Icons.person),  
    hintText: "Masukan Username",  
    hintStyle: GoogleFonts.poppins(),  
  ),  
),  
  
),  
  
const SizedBox(height: 20),  
  
TextField(  
  obscureText: true,  
  obscuringCharacter: "*",  
  decoration: InputDecoration(  
    border: OutlineInputBorder(  
      borderRadius: BorderRadius.circular(10),  
    ),  
    prefixIcon: const Icon(Icons.lock),  
    hintText: "Masukan Password",  
    hintStyle: GoogleFonts.poppins(),
```

```

    ),
    ),
    const SizedBox(height: 10),
    ElevatedButton(
      style: ElevatedButton.styleFrom(
        backgroundColor: Colors.yellow[400],
        foregroundColor: Colors.black,
        shape: ContinuousRectangleBorder(
          borderRadius: BorderRadius.circular(120.0),
        ),
      ),
      onPressed: () {},
      child: Text(
        "Login",
        style: GoogleFonts.poppins(),
      ),
    ),
  ],
),
),
Center(
  child: Text('Ini Halaman Wisata', style: optionStyle),
),
Center(
  child: Text('Ini Halaman Profile', style: optionStyle),
),

```

```
];
```

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

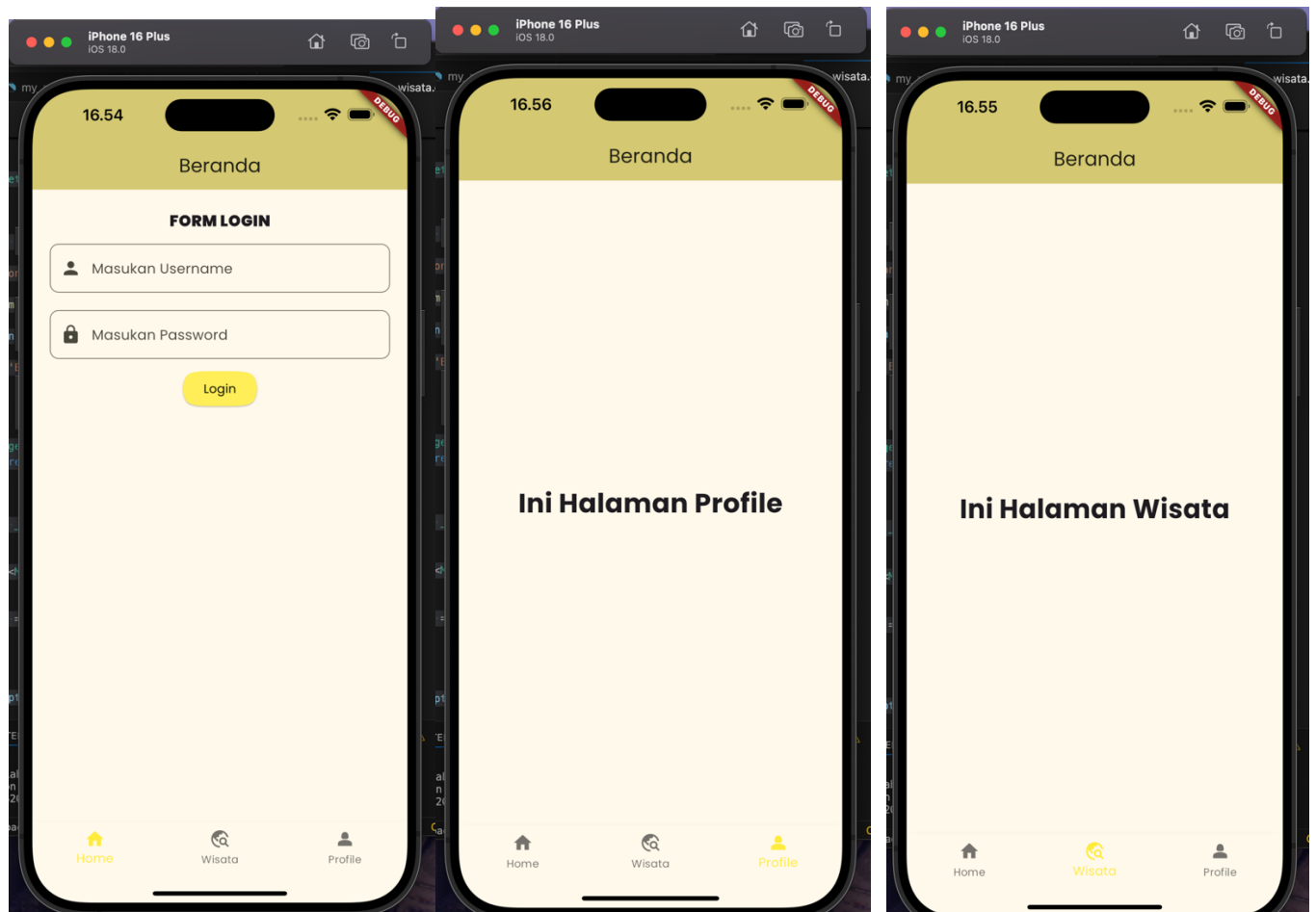
```
@override
```

```
Widget build(BuildContext context) {  
  return Scaffold(  
    appBar: AppBar(  
      backgroundColor: Theme.of(context).colorScheme.inversePrimary,  
      title: Text(  
        widget.title,  
        style: GoogleFonts.poppins(),  
      ),  
    ),  
    body: _widgetOptions[_selectedIndex],  
    bottomNavigationBar: BottomNavigationBar(  
      items: const <BottomNavigationBarItem>[  
        BottomNavigationBarItem(  
          icon: Icon(Icons.home),  
          label: 'Home',  
        ),  
        BottomNavigationBarItem(  

```

```
        icon: Icon(Icons.travel_explore_rounded),
        label: 'Wisata',
      ),
      BottomNavigationBarItem(
        icon: Icon(Icons.person_2),
        label: 'Profile',
      ),
    ],
    currentIndex: _selectedIndex,
    selectedItemColor: Colors.yellow,
    onTap: _onItemTapped,
  ),
);
}
```

Output:



Penjelasan kode:

Kode di atas adalah aplikasi Flutter sederhana dengan Bottom Navigation Bar yang memiliki tiga halaman: Home, Wisata, dan Profile.

Halaman Home menampilkan Form Login dengan input untuk username dan password, beserta tombol login.

Halaman Wisata dan Halaman Profile hanya menampilkan teks deskriptif untuk masing-masing halaman.

Kode ini juga menggunakan Google Fonts (font Poppins) untuk memperindah teks, dan tema warna aplikasi diatur menggunakan ColorScheme yang berwarna kuning.