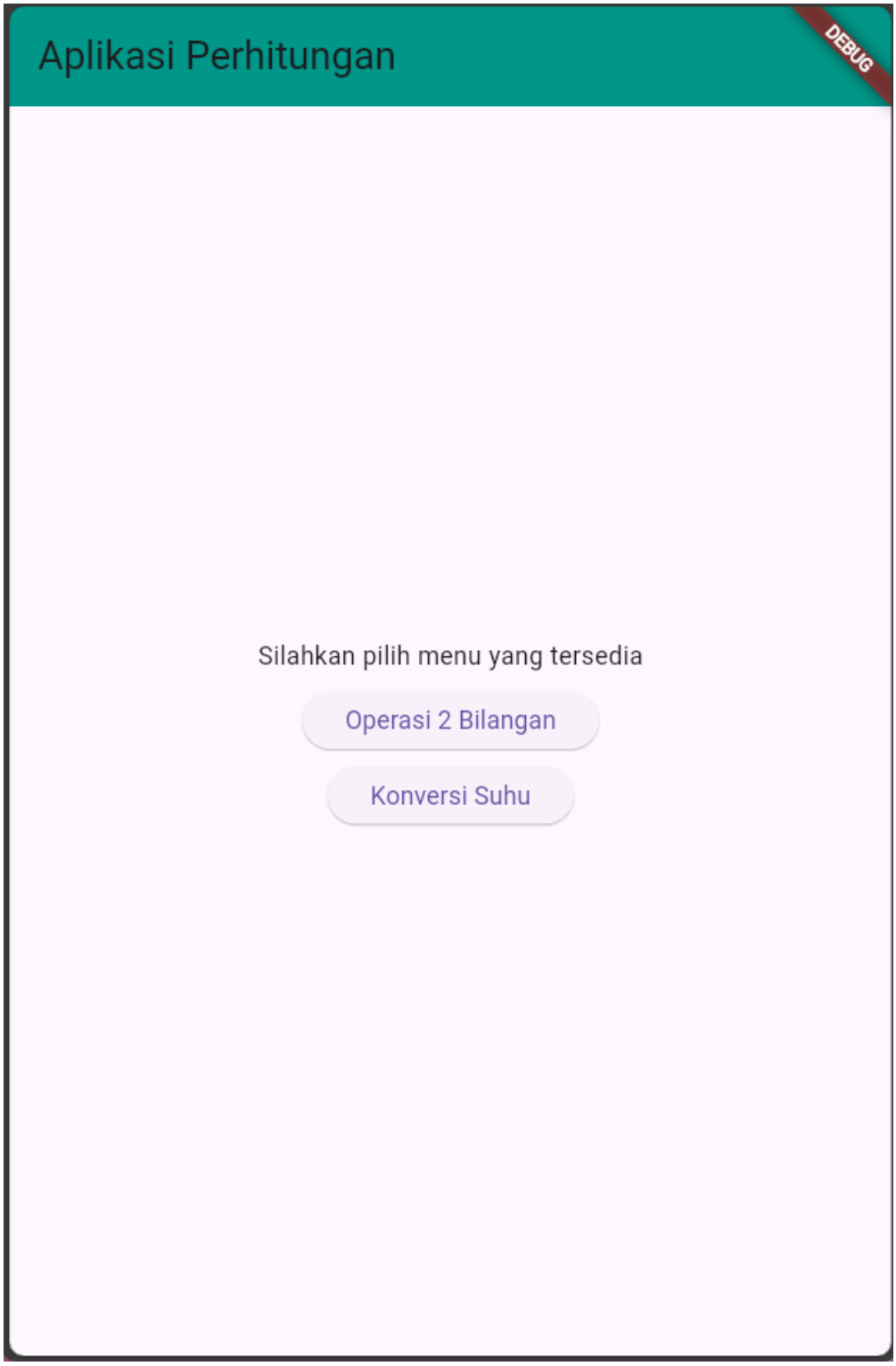
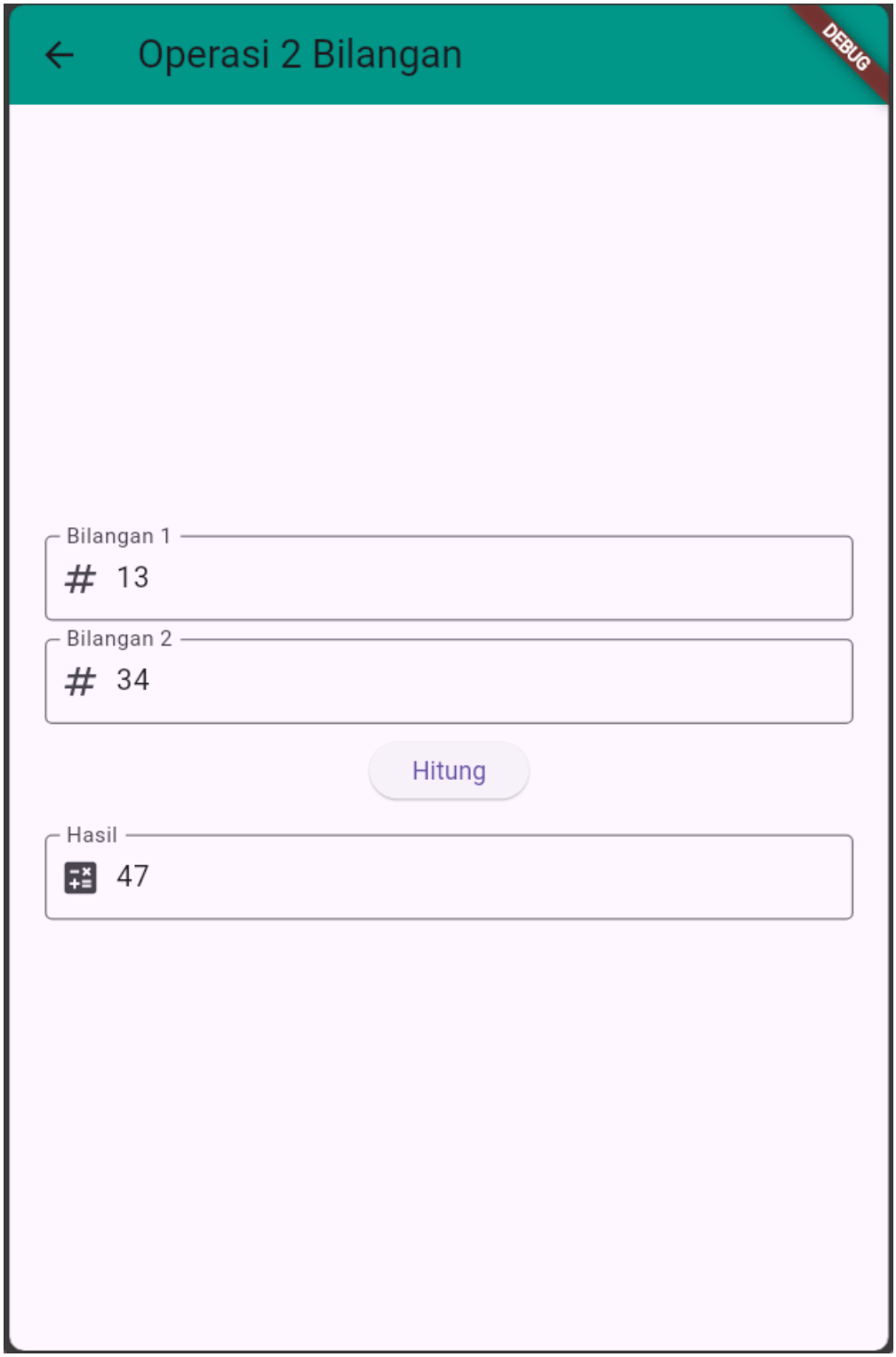
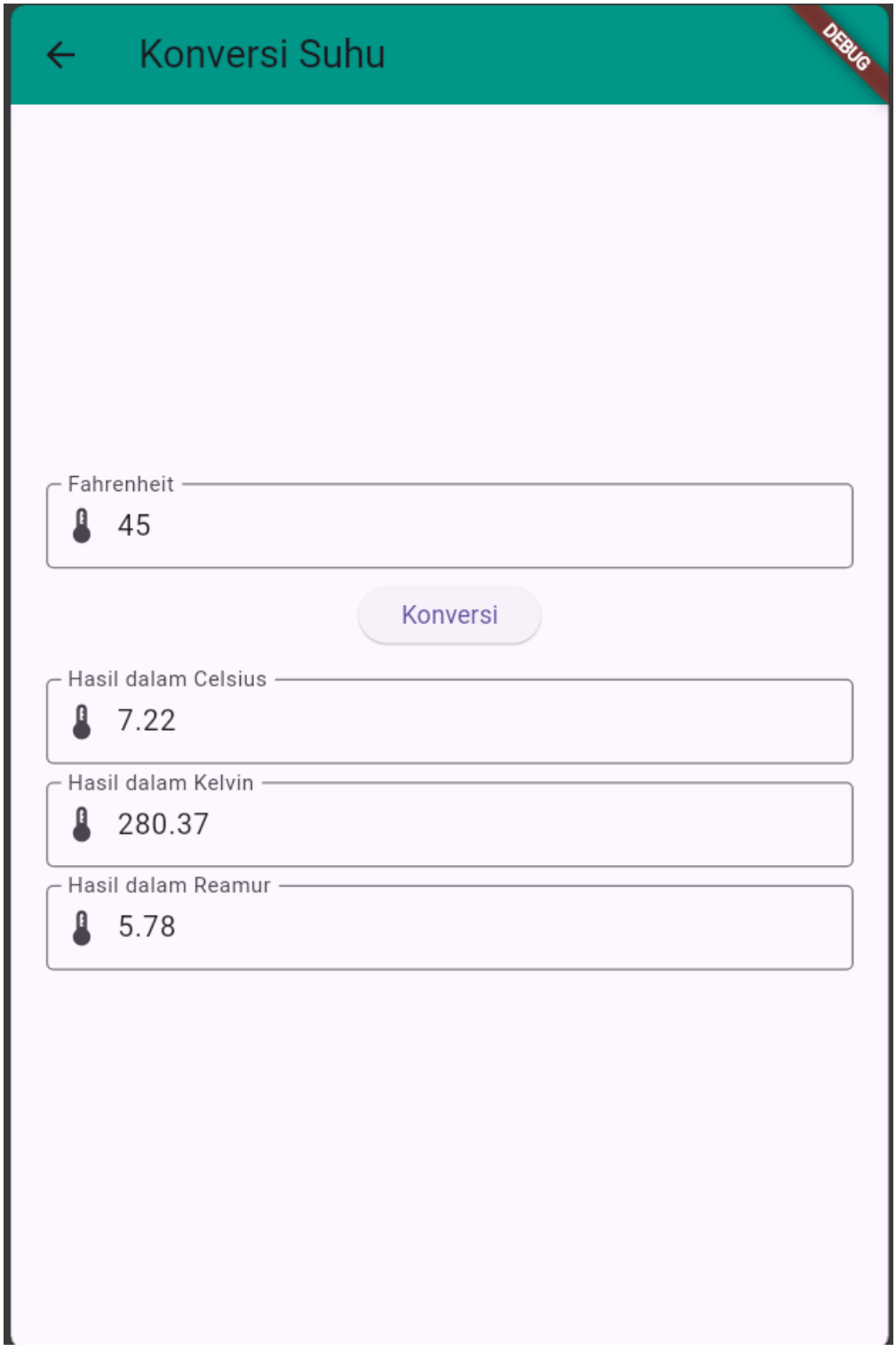
Nama : Rahmad

Npm : 2210010446

Kelas : 5B Bjb Reg Pagi




Operasi 2 Bilangan
DEBUG
Bilangan 1
13
Bilangan 2
34
Hitung
Hasil
47


Konversi Suhu
DEBUG
Fahrenheit
45
Konversi
Hasil dalam Celsius
7.22
Hasil dalam Kelvin
280.37
Hasil dalam Reamur
5.78

```dart
import 'package:flutter/material.dart';
import 'package:tugas3/beranda.dart'; // Path sesuai dengan struktur folder

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

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

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

```

```dart
import 'package:flutter/material.dart';
import 'package:tugas3/operasi2bilangan.dart'; // Path sesuai dengan struktur folder
import 'package:tugas3/konversisuhu.dart'; // Pastikan file konversi_suhu.dart ada

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

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Text("Aplikasi Perhitungan"),
        backgroundColor: Colors.teal, // Ganti warna background app bar
      ),
      body: Center(
        child: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: [
            const Text("Silahkan pilih menu yang tersedia"),
            SizedBox(height: 10),
            ElevatedButton(
              onPressed: () {
                Navigator.push(
                  context,
                  MaterialPageRoute(builder: (context) => Operasi2bilangan()),
                );
              },
              child: const Text("Operasi 2 Bilangan"),
            ),
            SizedBox(height: 10),
            ElevatedButton(
              onPressed: () {
                Navigator.push(
                  context,
                  MaterialPageRoute(builder: (context) => KonversiSuhu()),
                );
              },
              child: const Text("Konversi Suhu"),
            ),
          ],
        ),
      ),
    );
  }
}

```

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

class Operasi2bilangan extends StatefulWidget {
  const Operasi2bilangan({super.key});

  @override
  _Operasi2bilanganState createState() => _Operasi2bilanganState();
}

class _Operasi2bilanganState extends State<Operasi2bilangan> {
  final TextEditingController bil1Controller = TextEditingController();
  final TextEditingController bil2Controller = TextEditingController();
  final TextEditingController hasilController =
      TextEditingController(); // Controller untuk hasil

  void hitung() {
    // Mengambil nilai dari input
    double bil1 = double.tryParse(bil1Controller.text) ?? 0;
    double bil2 = double.tryParse(bil2Controller.text) ?? 0;

    // Menghitung hasil (misalnya penjumlahan)
    double total = bil1 + bil2;

    // Menampilkan hasil di field hasil
    hasilController.text = total.toString(); // Mengubah hasil menjadi string
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Text("Operasi 2 Bilangan"),
        backgroundColor: Colors.teal, // Ganti warna app bar
      ),
      body: Padding(
        padding: const EdgeInsets.all(20),
        child: Center(
          child: Column(
            mainAxisAlignment: MainAxisAlignment.center,
            children: [
              // Input bilangan pertama
              TextField(
                controller: bil1Controller,
                decoration: InputDecoration(
                  border: OutlineInputBorder(),
                  hintText: "Input Bilangan Pertama",
                  labelText: "Bilangan 1",
                  prefixIcon: Icon(Icons.numbers),
                ),
                keyboardType: TextInputType.number,
              ),
              SizedBox(height: 10),
              // Input bilangan kedua
              TextField(
                controller: bil2Controller,
                decoration: InputDecoration(
                  border: OutlineInputBorder(),
                  hintText: "Input Bilangan Kedua",
                  labelText: "Bilangan 2",
                  prefixIcon: Icon(Icons.numbers),
                ),
                keyboardType: TextInputType.number,
              ),
              SizedBox(height: 10),
              ElevatedButton(
                onPressed: hitung, // Panggil fungsi hitung saat tombol ditekan
                child: const Text("Hitung"),
              ),
              SizedBox(height: 20),
              // Field untuk menampilkan hasil
              TextField(
                controller: hasilController,
                decoration: InputDecoration(
                  border: OutlineInputBorder(),
                  labelText: "Hasil",
                  prefixIcon: Icon(Icons.calculate),
                ),
                readOnly: true, // Membuat field hasil hanya bisa dibaca
              ),
            ],
          ),
        ),
      ),
    );
  }
}

```

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

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

  @override
  _KonversiSuhuState createState() => _KonversiSuhuState();
}

class _KonversiSuhuState extends State<KonversiSuhu> {
  final TextEditingController fahrenheitController = TextEditingController();
  final TextEditingController celsiusController = TextEditingController();
  final TextEditingController kelvinController = TextEditingController();
  final TextEditingController reamurController = TextEditingController();

  void konversi() {
    // Mengambil nilai dari input
    double fahrenheit = double.tryParse(fahrenheitController.text) ?? 0;

    // Konversi ke Celsius, Kelvin, dan Reamur
    double celsius = (fahrenheit - 32) * 5 / 9;
    double kelvin = (fahrenheit - 32) * 5 / 9 + 273.15;
    double reamur = (fahrenheit - 32) * 4 / 9;

    // Menampilkan hasil di field masing-masing
    celsiusController.text = celsius.toStringAsFixed(2);
    kelvinController.text = kelvin.toStringAsFixed(2);
    reamurController.text = reamur.toStringAsFixed(2);
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: const Text("Konversi Suhu"),
        backgroundColor: Colors.teal, // Ganti warna app bar
      ),
      body: Padding(
        padding: const EdgeInsets.all(20),
        child: Center(
          child: Column(
            mainAxisAlignment: MainAxisAlignment.center,
            children: [
              // Input suhu dalam Fahrenheit
              TextField(
                controller: fahrenheitController,
                decoration: InputDecoration(
                  border: OutlineInputBorder(),
                  hintText: "Input Suhu dalam Fahrenheit",
                  labelText: "Fahrenheit",
                  prefixIcon: Icon(Icons.thermostat),
                ),
                keyboardType: TextInputType.number,
              ),
              SizedBox(height: 10),
              ElevatedButton(
                onPressed:
                    konversi, // Panggil fungsi konversi saat tombol ditekan
                child: const Text("Konversi"),
              ),
              SizedBox(height: 20),
              // Field untuk menampilkan hasil konversi
              TextField(
                controller: celsiusController,
                decoration: InputDecoration(
                  border: OutlineInputBorder(),
                  labelText: "Hasil dalam Celsius",
                  prefixIcon: Icon(Icons.thermostat),
                ),
                readOnly: true, // Membuat field hasil hanya bisa dibaca
              ),
              SizedBox(height: 10),
              TextField(
                controller: kelvinController,
                decoration: InputDecoration(
                  border: OutlineInputBorder(),
                  labelText: "Hasil dalam Kelvin",
                  prefixIcon: Icon(Icons.thermostat),
                ),
                readOnly: true, // Membuat field hasil hanya bisa dibaca
              ),
              SizedBox(height: 10),
              TextField(
                controller: reamurController,
                decoration: InputDecoration(
                  border: OutlineInputBorder(),
                  labelText: "Hasil dalam Reamur",
                  prefixIcon: Icon(Icons.thermostat),
                ),
                readOnly: true, // Membuat field hasil hanya bisa dibaca
              ),
            ],
          ),
        ),
      ),
    );
  }
}

```