PEMROGRAMAN MOBILE

"Laporan Quiz2"

Di susun oleh :

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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

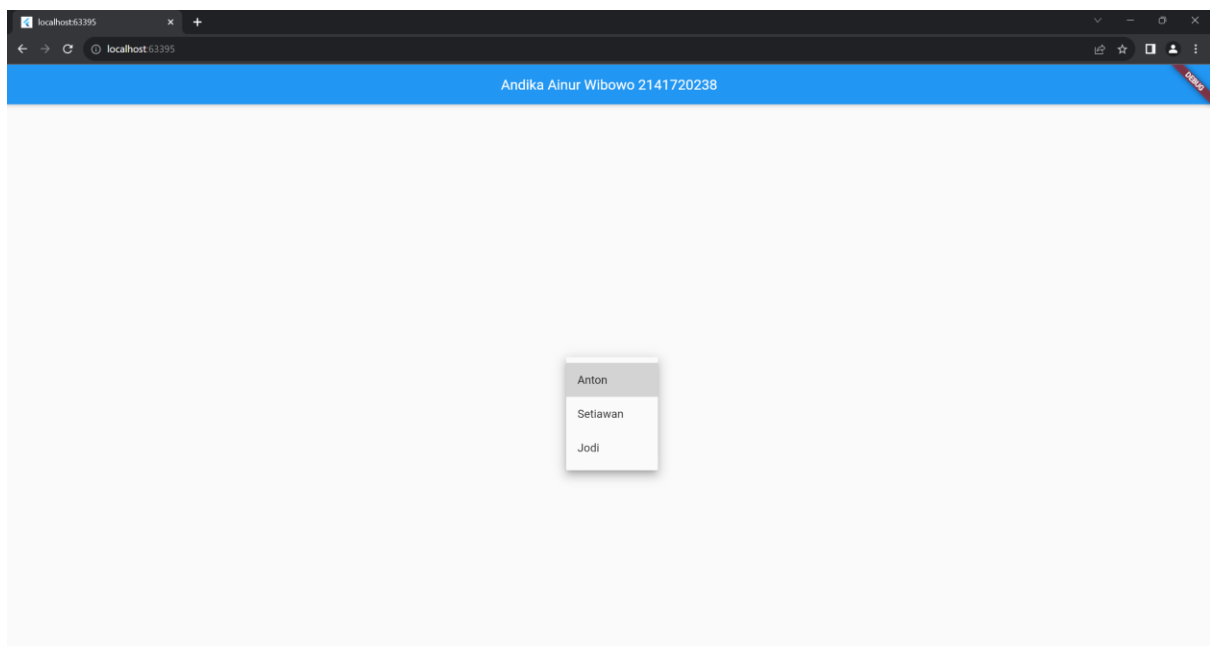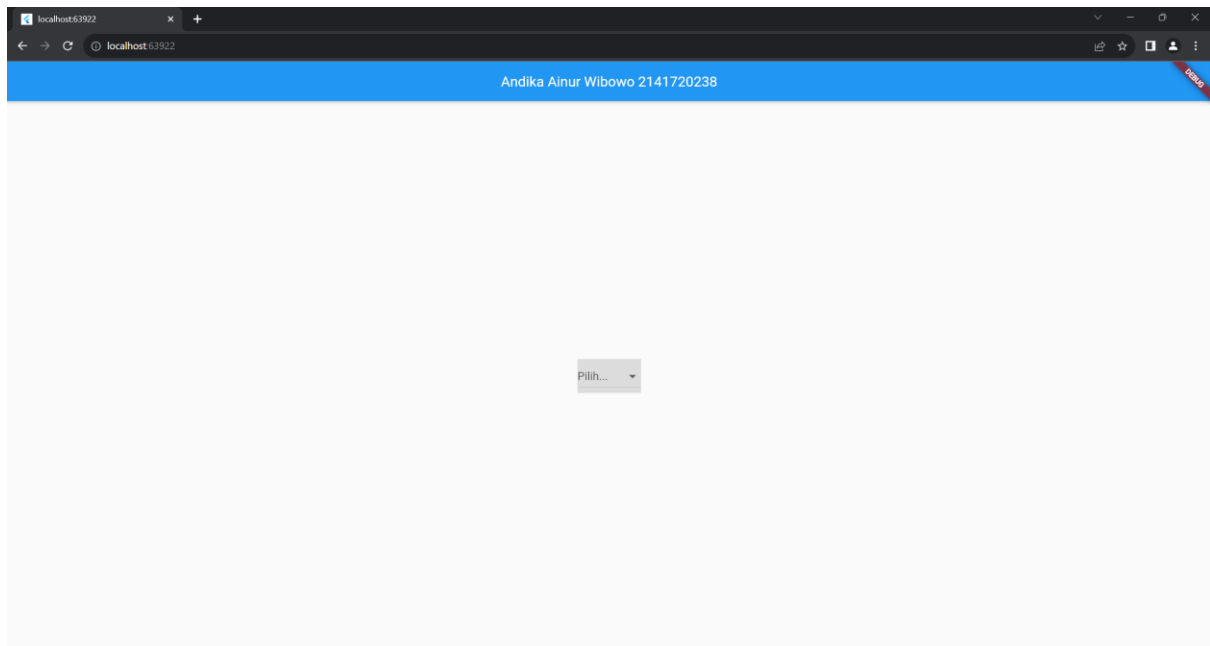**JURUSAN TEKNOLOGI INFORMASI**

POLITEKNIK NEGERI MALANG

Menu dropdown sebelum bisa memilih value

Source code:

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

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

class MyApp extends StatelessWidget {
  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: HomePage(),
    );
  }
}

class HomePage extends StatelessWidget {
  final List<String> data = [
    "Anton",
    "Setiawan",
    "Jodi",
  ];
  @override
  Widget build(BuildContext context) {
    return Scaffold(
        appBar: AppBar(
          title: Text("Andika Ainur Wibowo 2141720238"),
        ),
        body: Center(
          child: DropdownButton(
              hint: Text("Pilih..."),
              onChanged: (value) {
                print(value);
              },
              items: data
                  .map(
                    (e) => DropdownMenuItem(
                      value: e,
                      child: Text(e),
                    ),
                  )
                  .toList()),
        ));
  }
}
```
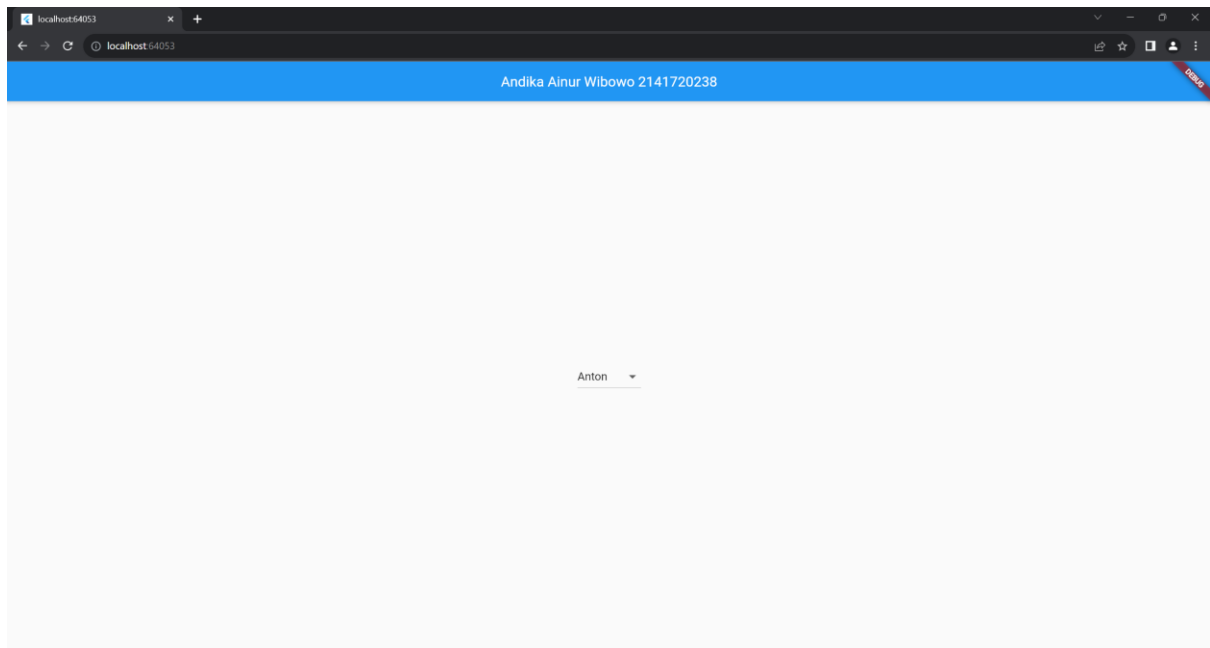
Menu dropdown setelah bisa memilih value

Source code:

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: HomePage(),
    );
  }
}

class HomePage extends StatefulWidget {
  @override
  _HomePageState createState() => _HomePageState();
}

class _HomePageState extends State<HomePage> {
  String selectedValue = 'Anton'; // Use the Late keyword to indicate that it will be initialized Later

  final List<String> data = [
    "Anton",
    "Setiawan",
    "Jodi",
  ];

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Andika Ainur Wibowo 2141720238"),
        centerTitle: true,
      ),
      body: Center(
        child: DropdownButton(
          hint: Text("Pilih..."),
          value: selectedValue,
          onChanged: (value) {
            setState(() {
              selectedValue = value.toString(); // Convert value to String
            });
            print(value);
          },
          items: data
              .map(
                (e) => DropdownMenuItem(
                  value: e,
                  child: Text(e),
                ),
              )
              .toList(),
        ),
      ),
    );
  }
}
```

Konversi Suhu tidak bisa memilih dropdown

Source code:

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

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

class MyApp extends StatelessWidget {
  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      theme: ThemeData(
        primarySwatch: Colors.deepOrange,
        visualDensity: VisualDensity.adaptivePlatformDensity,
      ),
      home: Scaffold(
        appBar: AppBar(
          title: Text("Konverter Suhu"),
        ),
        body: Container(
          margin: EdgeInsets.all(50),
          child: Column(
            children: [
              TextFormField(
                decoration: InputDecoration(
                  labelText: 'Celcius',
                  hintText: 'Masukkan Angka Temperatur dalam celcius',
                ),
              ),
              SizedBox(
                height: 10,
              ),
              DropdownButton(
                isExpanded: true,
                value: 'Reamur',
                // padding: EdgeInsets.all(20),
                items: [
                  DropdownMenuItem(
                    child: Text('Reamur'),
                    value: 'Reamur',
                  ),
                  DropdownMenuItem(
                    child: Text('Kelvin'),
                    value: 'Kelvin',
                  ),
                  DropdownMenuItem(
                    child: Text('Fahrenheit'),
                    value: 'Fahtrenheit',
                  ),
                ],
                onChanged: (value) {},
              ),
              Text('Hasil'),
              Text('365'),
              Row(
                children: [
                  Expanded(
                    child: ElevatedButton(
                      onPressed: () {}, child: Text('Konversi Suhu'),
                    ),
                  ),
                ],
              )
            ],
          ),
        ),
      ),
    );
  }
}

class HomePage extends StatelessWidget {
  final List<String> data = [
    "Anton",
    "Setiawan",
    "Jodi",
  ];
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Andika Ainur Wibowo 2141720238"),
      ),
      body: Center(
        child: DropdownButton(
          hint: Text("Pilih..."),
          onChanged: (value) {
            print(value);
          },
          items: data
              .map(
                (e) => DropdownMenuItem(
                  value: e,
                  child: Text(e),
                ),
              )
              .toList()),
        ));
  }
}
```

Konversi Suhu bisa memilih dropdown

Source code:

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

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

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      theme: ThemeData(
        primarySwatch: Colors.deepOrange,
        visualDensity: VisualDensity.adaptivePlatformDensity,
      ),
      home: Scaffold(
        appBar: AppBar(
          title: Text("Konverter Suhu"),
        ),
        body: KonverterSuhu(),
      ),
    );
  }
}

class KonverterSuhu extends StatefulWidget {
  @override
  _KonverterSuhuState createState() => _KonverterSuhuState();
}

class _KonverterSuhuState extends State<KonverterSuhu> {
  String selectedUnit = 'Reamur'; // Track the selected unit

  final List<String> data = [
    "Reamur",
    "Kelvin",
    "Fahrenheit",
  ];

  @override
  Widget build(BuildContext context) {
    return Container(
      margin: EdgeInsets.all(50),
      child: Column(
        children: [
          TextFormField(
            decoration: InputDecoration(
              labelText: 'Celcius',
              hintText: 'Masukkan Angka Temperatur dalam celcius',
            ),
          ),
          SizedBox(
            height: 10,
          ),
          DropdownButton(
            isExpanded: true,
            value: selectedUnit,
            items: data.map((unit) {
              return DropdownMenuItem(
                value: unit,
                child: Text(unit),
              );
            }).toList(),
            onChanged: (value) {
              setState(() {
                selectedUnit = value.toString();
              });
              print(selectedUnit);
            },
          ),
          Text('Hasil'),
          Text('365'),
          Row(
            children: [
              Expanded(
                child: ElevatedButton(
                  onPressed: () {
                    // Perform the temperature conversion based on the selected unit
                  },
                  child: Text('Konversi Suhu'),
                ),
              ),
            ],
          ),
        ],
      ),
    );
  }
}
```