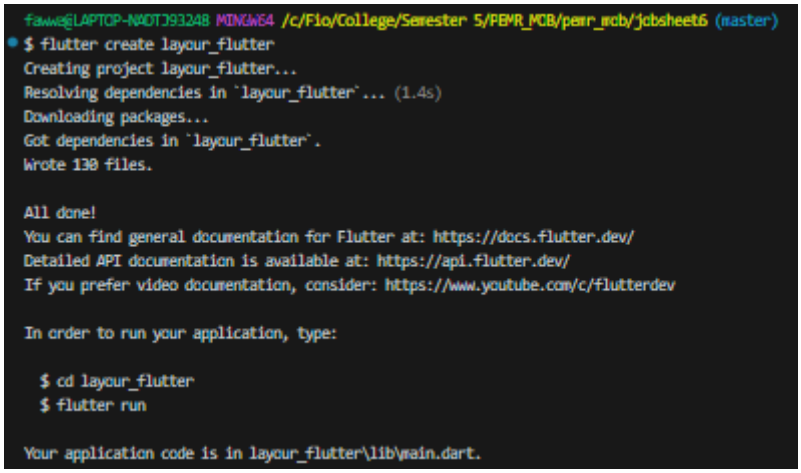
KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI
POLITEKNIK NEGERI MALANG
JURUSAN TEKNOLOGI INFORMASI
Jl. Soekarno Hatta No. 9, Jatimulyo, Lowokwaru, Malang 65141
Telp. (0341) 404424 – 404425, Fax (0341) 404420
https://jti.polinema.ac.id

Mata Kuliah	:	Pemrograman Mobile
Program Studi	:	D4 – Teknik Informatika
Semester	:	5

Kelas	:	TI-3E
NIM	:	2341720128
Nama	:	Fawwaz Alifio Farsa
Pertemuan Ke-	:	6

Laporan Jobsheet

Praktikum 1

Langkah	Jawaban/Deskripsi
1	Membuat project baru Flutter 
2	Memodifikasi main.dart

jobsheet6 > layour_flutter > lib > main.dart > MyApp

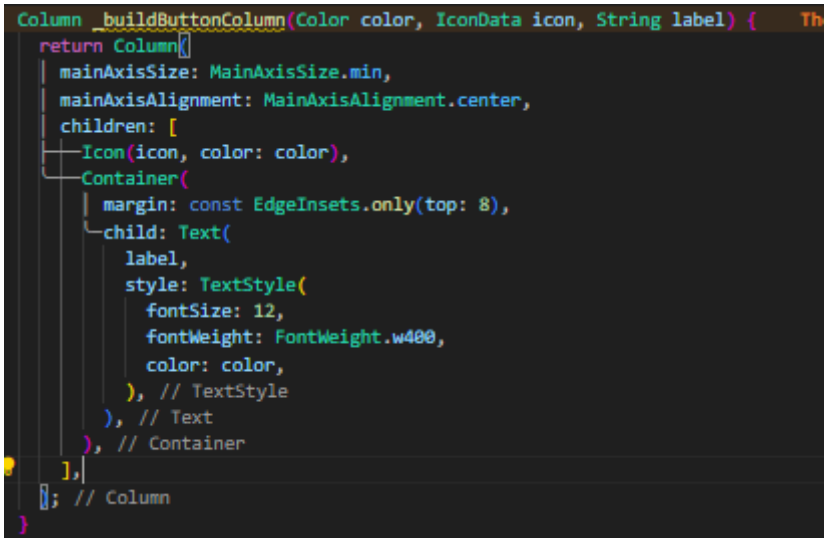
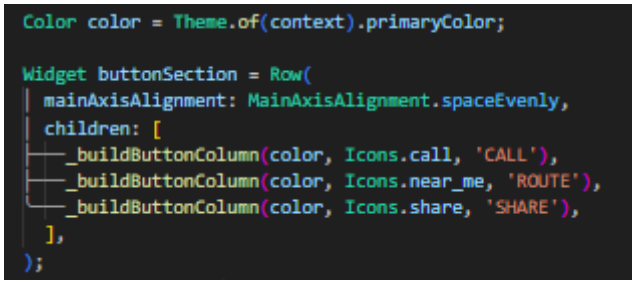
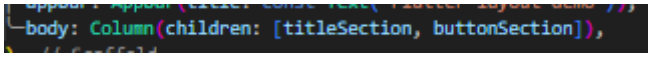
```dart
import 'package:flutter/material.dart';

Run | Debug | Profile
void main() => runApp(const MyApp());

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

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter layout: Fawwaz Alifio Farsa (2341720128)',
      home: Scaffold(
        appBar: AppBar(
          title: const Text('Flutter layout demo'),
        ), // AppBar
        body: const Center(
          child: Text('Hello World'),
        ), // Center
      ), // Scaffold
    ); // MaterialApp
  }
}
```

4 Mengimplementasi title row

```dart
Widget titleSection = Container(
  padding: const EdgeInsets.all(32),
  child: Row(
    children: [
      Expanded(
        /*1*/
        child: Column(
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            /*2*/
            Container(
              padding: const EdgeInsets.only(bottom: 8),
              child: const Text(
                'Oeschinen Lake Campground',
                style: TextStyle(fontWeight: FontWeight.bold),
              ), // Text
            ), // Container
            Text(
              'Kandersteg, Switzerland',
              style: TextStyle(color: Colors.grey[500]),
            ), // Text
          ],
        ), // Column
      ), // Expanded
      /*3*/
      Icon(Icons.star, color: Colors.red[500]),
      const Text('41'),
    ],
  ), // Row
); // Container
```

Praktikum 2

Langkah	Jawaban/Deskripsi

1	Membuat method column _buildButtonColumn 
2	Membuat widget buttonSection 
3	Menambahkan button section ke body 

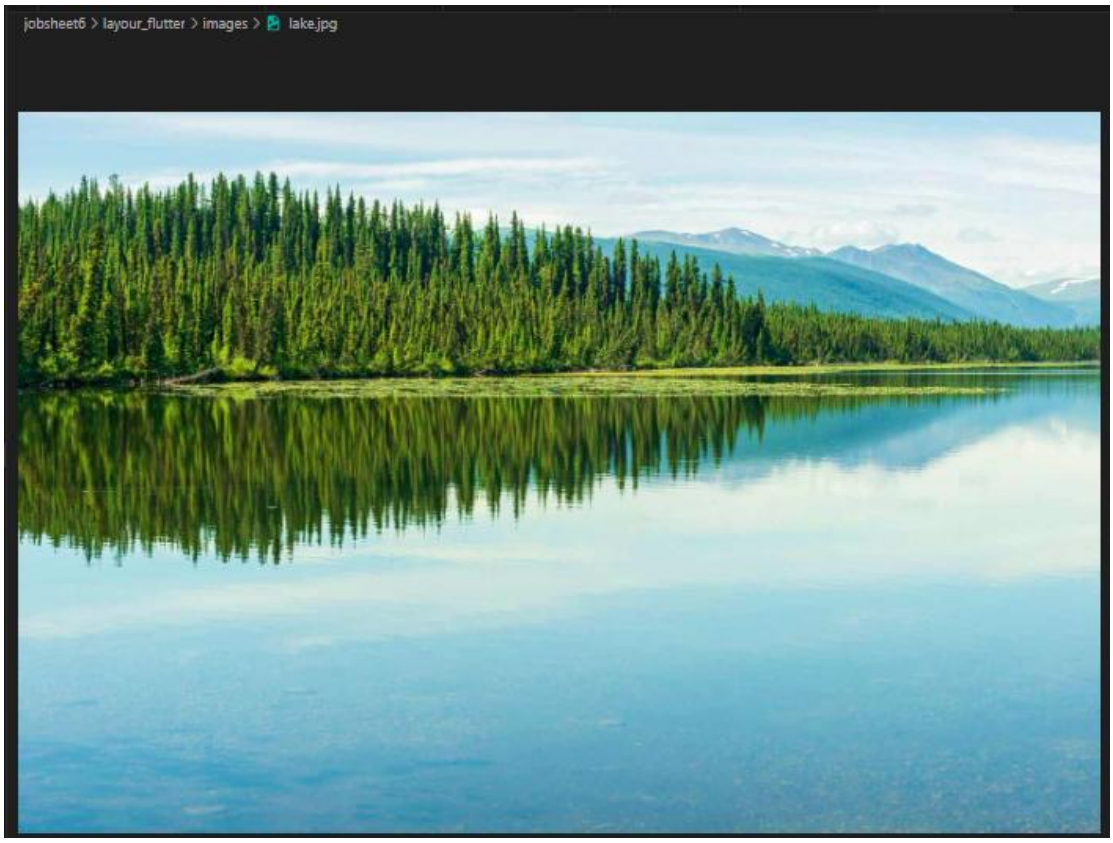
Praktikum 3

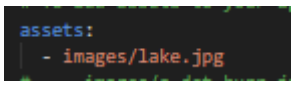
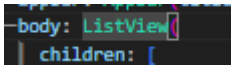
Langkah	Jawaban/Deskripsi
1	Membuat widget textSection

	``dart
	Widget textSection = Container(
	  padding: const EdgeInsets.all(32),
	  child: const Text(
	  'Fawwaz Alifio Farsa (2341720128)\n\n'
	  'Lake Oeschinen lies at the foot of the Blüemlisalp in the Bernese Alps. Situated 1,578 meters above sea level, it is one of the larger Alpine Lakes. A gondola ride from Kandersteg, followed by a half-hour walk through pastures and pine forest, leads you to the lake, which warms to 20 degrees Celsius in the summer. Activities enjoyed here include rowing, and riding the summer toboggan run.',
	  softWrap: true,
	  ), // Text
	); // Container
	``

2	Menambahkan variable text section ke body
	``dart
	body: Column(children: [titleSection, buttonSection, textSection]),
	``

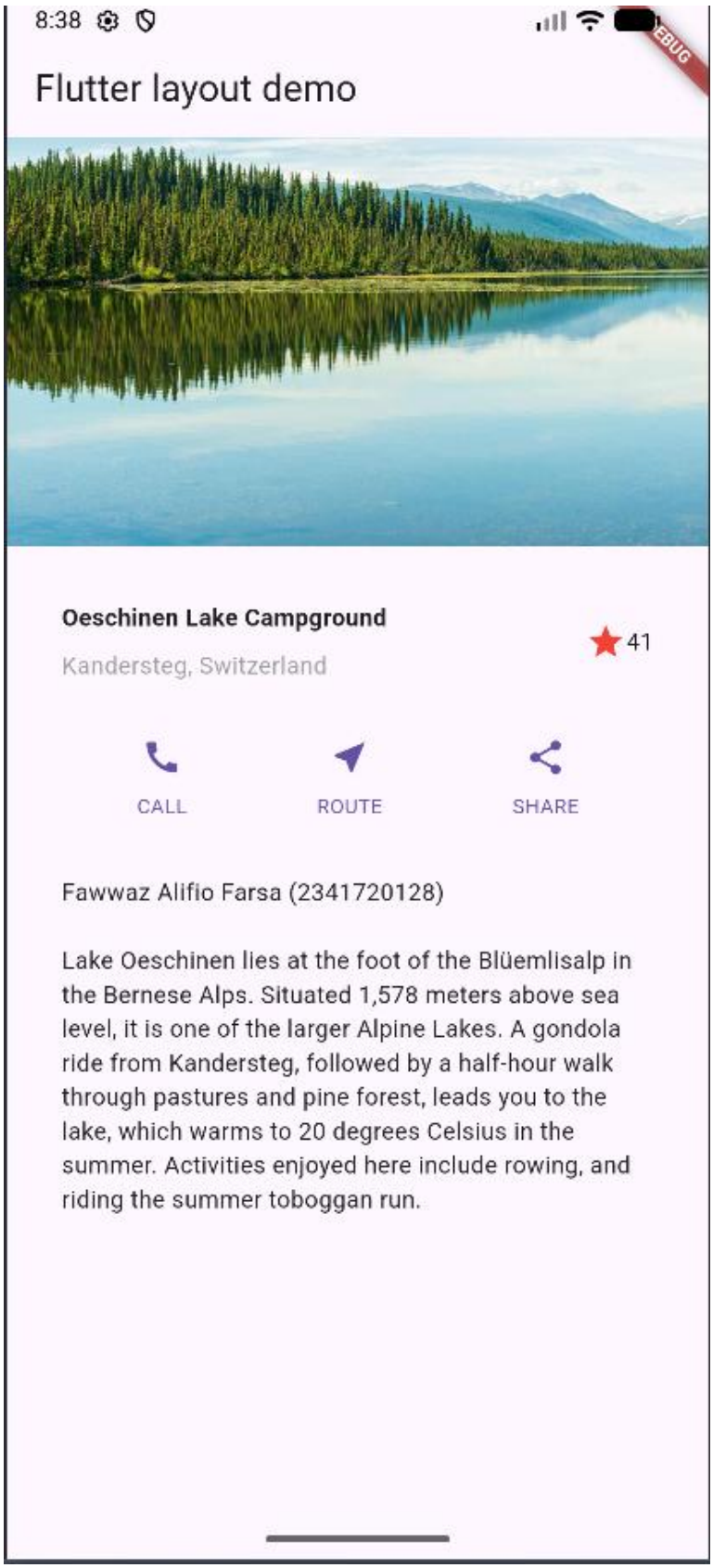
Praktikum 4

Langkah	Jawaban/Deskripsi
1	Menambahkan aset gambar 

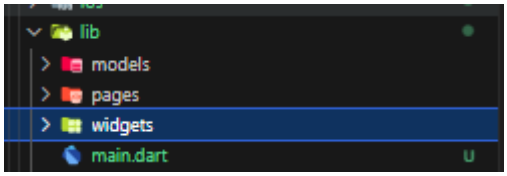
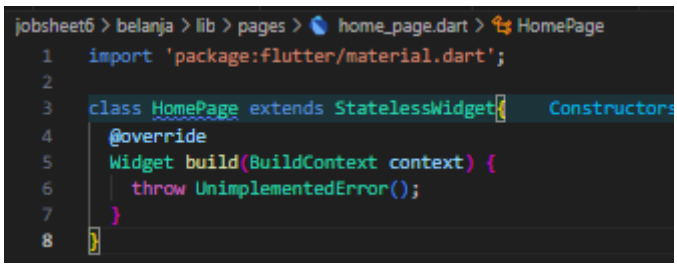
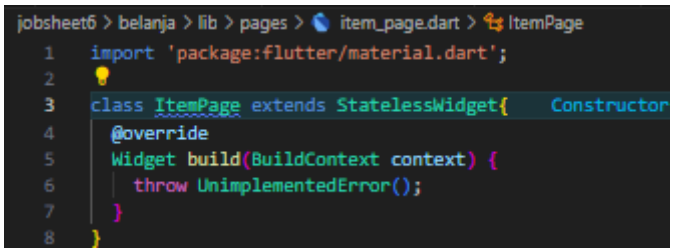
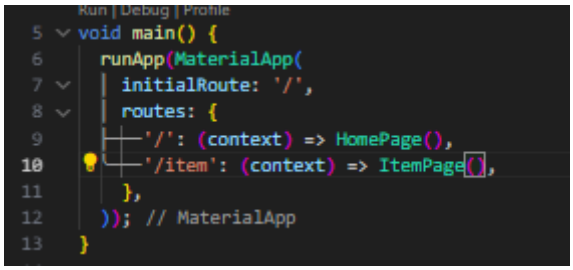
	
2	Menambahkan image ke body
3	Mengganti Column menjadi ListView 

Tugas Praktikum 1

Langkah	Jawaban/Deskripsi
1	Hasil tampilan:


8:38
DEBUG
Flutter layout demo
Oeschinen Lake Campground
Kandersteg, Switzerland
41
CALL
ROUTE
SHARE
Fawwaz Alifio Farsa (2341720128)
Lake Oeschinen lies at the foot of the Blüemlisalp in the Bernese Alps. Situated 1,578 meters above sea level, it is one of the larger Alpine Lakes. A gondola ride from Kandersteg, followed by a half-hour walk through pastures and pine forest, leads you to the lake, which warms to 20 degrees Celsius in the summer. Activities enjoyed here include rowing, and riding the summer toboggan run.

Praktikum 5

Langkah	Jawaban/Deskripsi
1	Menyiapkan project baru 
2	Membuat css HomePage  Membuat class ItemPage 
3	Mengubah isi kode main.dart 
4	Membuat data model

	jobsheet6 > belanja > lib > models > item.dart > Item
	`class Item {`
	`  String name;`
	`  int price;`
	
	`  Item({`
	`  required this.name,`
	`  required this.price,`
	`  });`
	`}`

5	Melengkapi kode di class HomePage
	`final List<Item> items = [`
	`  Item(name: 'Sugar', price: 5000),`
	`  Item(name: 'Salt', price: 2000),`
	`];`
	`}`

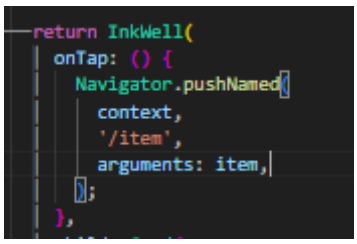
6	Membuat ListView dan itemBuilder

jobsheet6 > belanja > lib > pages > home_page.dart > HomePage > build

```dart
import 'package:belanja/models/item.dart';
import 'package:flutter/material.dart';

class HomePage extends StatelessWidget {    Constructors for public widget
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Container(
        margin: EdgeInsets.all(8),
        child: ListView.builder(
          padding: EdgeInsets.all(8),
          itemCount: items.length,
          itemBuilder: (context, index) {
            final item = items[index];
            return Card(
              child: Container(
                margin: EdgeInsets.all(8),
                child: Row(
                  children: [
                    Expanded(child: Text(item.name)),
                    Expanded(
                      child: Text(
                        item.price.toString(),
                        textAlign: TextAlign.end,
                      ), // Text
                    ), // Expanded
                  ],
                ), // Row
              ), // Container
            ); // Card
          },
        ), // ListView.builder
      ), // Container
    ); // Scaffold
  }

  final List<Item> items = [
    Item(name: 'Sugar', price: 5000),
    Item(name: 'Salt', price: 2000),
  ];
}
```

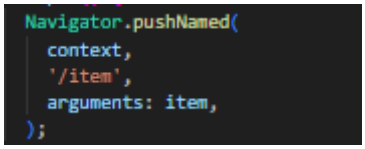
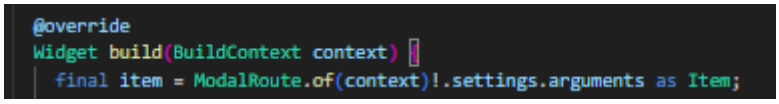
Hasil Tampilan:

7	Menambahkan aksi pada ListView

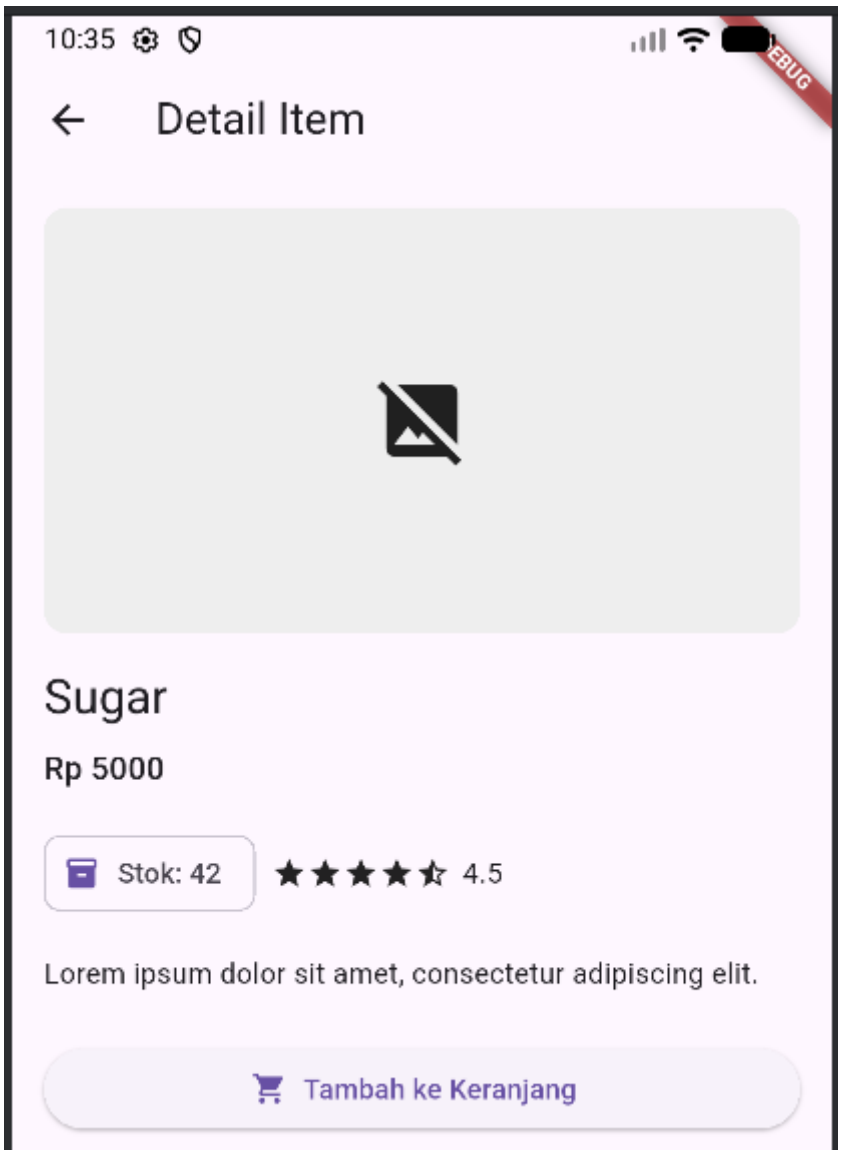
```
return InkWell(
  onTap: () {
    Navigator.pushNamed(
      context,
      '/item',
      arguments: item,
    );
  },
```

Tugas Praktikum 2

Langkah	Jawaban/Deskripsi
1	Memperbarui kode Navigator 
2	Menambahkan pembacaan nilai pada ItemPage 
3	Hasil tampilan setelah implementasi Hero widget

```
Navigator.pushNamed(
  context,
  '/item',
  arguments: item,
);
```

```
@override
Widget build(BuildContext context) {
  final item = ModalRoute.of(context)!.settings.arguments as Item;
```


10:35
DEBUG
Detail Item
Sugar
Rp 5000
Stok: 42
4.5
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Tambah ke Keranjang