



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

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Pertemuan Ke- : 6

Laporan Jobsheet

Praktikum 1

Langkah	Jawaban/Deskripsi
1	<p>Membuat project baru Flutter</p> <pre>fawwaz@LAPTOP-NWOT93248 MINGW64 /c/Flo/College/Semester 5/PEMR_MCB/pemr_mcb/jobsheet6 (master) \$ flutter create layour_flutter Creating project layour_flutter... Resolving dependencies in 'layour_flutter'... (1.4s) Downloading packages... Got dependencies in 'layour_flutter'. Wrote 130 files. All done! You can find general documentation for Flutter at: https://docs.flutter.dev/ Detailed API documentation is available at: https://api.flutter.dev/ If you prefer video documentation, consider: https://www.youtube.com/c/flutterdev In order to run your application, type: \$ cd layour_flutter \$ flutter run Your application code is in layour_flutter\lib\main.dart.</pre>
2	<p>Memodifikasi main.dart</p>



	<pre>jobsheet6 > layour_flutter > lib > main.dart > MyApp 1 import 'package:flutter/material.dart'; 2 3 Run Debug Profile 4 void main() => runApp(const MyApp()); 5 6 class MyApp extends StatelessWidget { 7 const MyApp({super.key}); 8 9 @override 10 Widget build(BuildContext context) { 11 return MaterialApp(12 title: 'Flutter layout: Fawwaz Alifio Farsa (2341720128)', 13 home: Scaffold(14 appBar: AppBar(15 title: const Text('Flutter layout demo'), 16), // AppBar 17 body: const Center(18 child: Text('Hello World'), 19), // Center 20), // Scaffold 21); // MaterialApp 22 }</pre>
4	<p>Mengimplementasi title row</p> <pre>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('Deschinen 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</pre>

Praktikum 2

Langkah	Jawaban/Deskripsi
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1	<p>Membuat method <code>column_buildButtonColumn</code></p> <pre>Column _buildButtonColumn(Color color, IconData icon, String label) { return Column(mainAxisAlignment: MainAxisAlignment.center, children: [Icon(icon, color: color), Container(margin: const EdgeInsets.only(top: 8), child: Text(label, style: TextStyle(fontSize: 12, fontWeight: FontWeight.w400, color: color,), // TextStyle), // Text), // Container],); // Column }</pre>
2	<p>Membuat widget <code>buttonSection</code></p> <pre>Color color = Theme.of(context).primaryColor; Widget buttonSection = Row(mainAxisAlignment: MainAxisAlignment.spaceEvenly, children: [_buildButtonColumn(color, Icons.call, 'CALL'), _buildButtonColumn(color, Icons.near_me, 'ROUTE'), _buildButtonColumn(color, Icons.share, 'SHARE'),],);</pre>
3	<p>Menambahkan button section ke body</p> <pre>body: Column(children: [titleSection, buttonSection]),</pre>

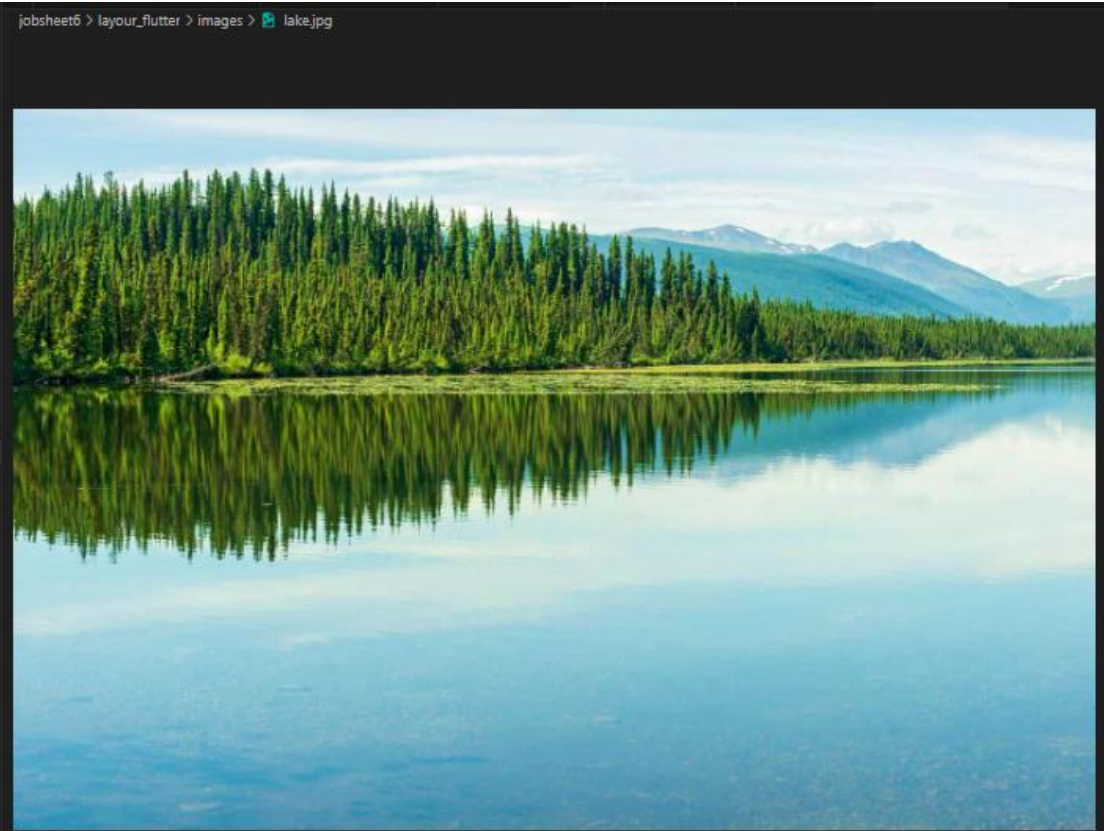
Praktikum 3

Langkah	Jawaban/Deskripsi
1	Membuat widget <code>textSection</code>



	<pre>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</pre>
2	Menambahkan variable text section ke body <pre>Appbar: Appbar(title: const Text('Flutter Layout Demo'), body: Column(children: [titleSection, buttonSection, textSection]), // 6x55x34</pre>

Praktikum 4

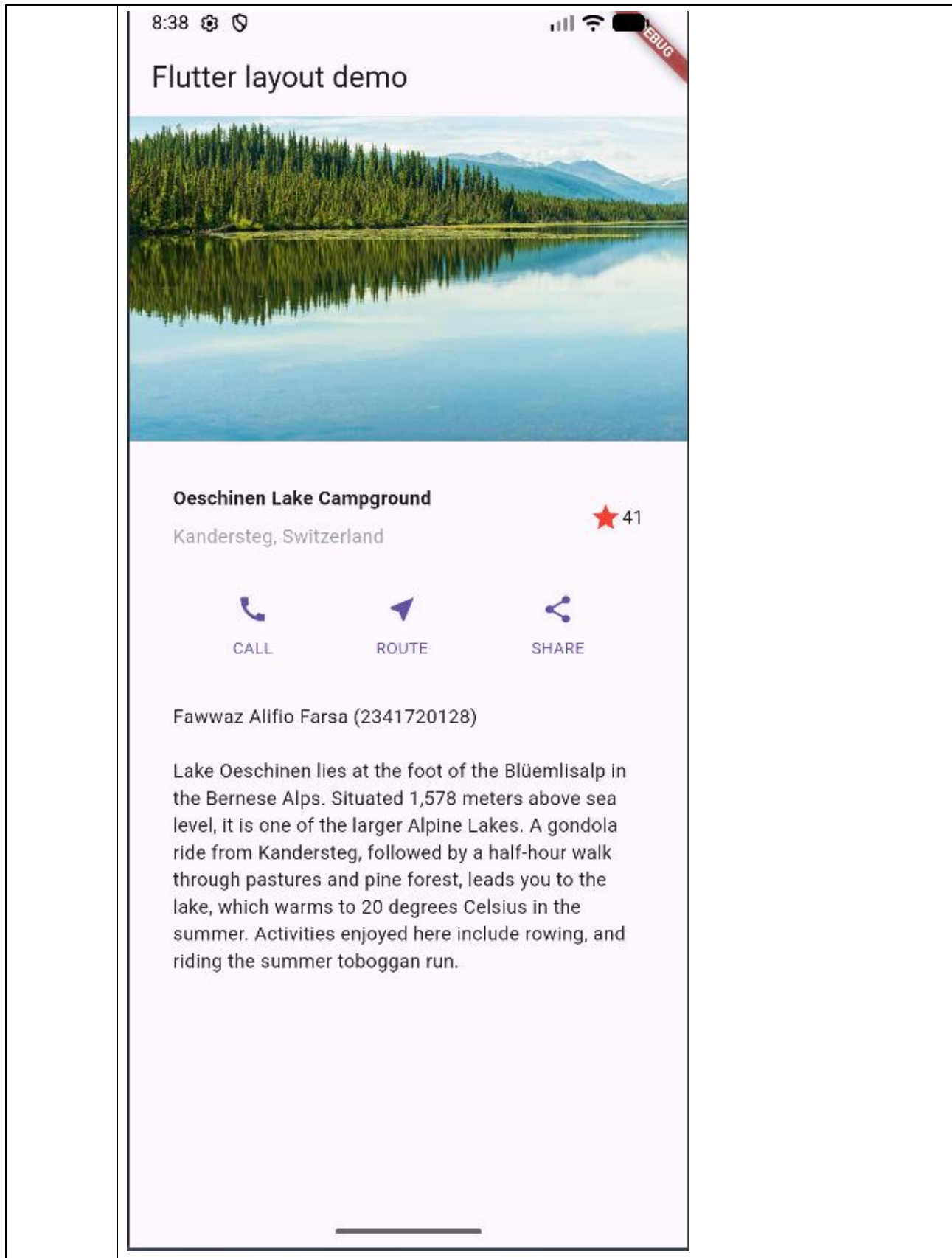
Langkah	Jawaban/Deskripsi
1	Menambahkan aset gambar 



	<pre>assets: - images/lake.jpg</pre>
2	<p>Menambahkan image ke body</p> <pre>children: [Image.asset('images/lake.jpg', width: 600, height: 240, fit: BoxFit.cover,), // Image.asset titleSection, buttonSection, textSection,],</pre>
3	<p>Mengganti Column menjadi ListView</p> <pre>body: ListView(children: [Image.asset('images/lake.jpg', width: 600, height: 240, fit: BoxFit.cover,), // Image.asset titleSection, buttonSection, textSection,],</pre>

Tugas Praktikum 1

Langkah	Jawaban/Deskripsi
1	Hasil tampilan:





Praktikum 5

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



	<pre>jobsheet6 > belanja > lib > models > item.dart > Item 1 class Item { 2 String name; 3 int price; 4 5 Item({ 6 required this.name, 7 required this.price, 8 }); 9 }</pre>
5	Melengkapi kode di class HomePage <pre>final List<Item> items = [Item(name: 'Sugar', price: 5000), Item(name: 'Salt', price: 2000),];</pre>
6	Membuat ListView dan itemBuilder



```
jobsheet6 > belanja > lib > pages > home_page.dart > HomePage > build
1  import 'package:belanja/models/item.dart';
2  import 'package:flutter/material.dart';
3
4  class HomePage extends StatelessWidget {
5    @override
6    Widget build(BuildContext context) {
7      return Scaffold(
8        body: Container(
9          margin: EdgeInsets.all(8),
10         child: ListView.builder(
11           padding: EdgeInsets.all(8),
12           itemCount: items.length,
13           itemBuilder: (context, index) {
14             final item = items[index];
15             return Card(
16               child: Container(
17                 margin: EdgeInsets.all(8),
18                 child: Row(
19                   children: [
20                     Expanded(child: Text(item.name)),
21                     Expanded(
22                       child: Text(
23                         item.price.toString(),
24                         textAlign: TextAlign.end,
25                       ), // Text
26                     ), // Expanded
27                   ],
28                 ), // Row
29               ), // Container
30             ); // Card
31           }, // ListView.builder
32         ), // Container
33       ); // Scaffold
34     }
35
36     final List<Item> items = [
37       Item(name: 'Sugar', price: 5000),
38       Item(name: 'Salt', price: 2000),
39     ];
40   }
41 }
```

Hasil Tampilan:



7 Menambahkan aksi pada ListView



	<pre>return InkWell(onTap: () { Navigator.pushNamed(context, '/item', arguments: item,); },);</pre>
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Tugas Praktikum 2

Langkah	Jawaban/Deskripsi
1	Memperbarui kode Navigator <pre>Navigator.pushNamed(context, '/item', arguments: item,);</pre>
2	Menambahkan pembacaan nilai pada ItemPage <pre>@override Widget build(BuildContext context) { final item = ModalRoute.of(context)!.settings.arguments as Item; }</pre>
3	Hasil tampilan setelah implementasi Hero widget

