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UTS DAFTAR ISI

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UTS WARUNG_AJIB

1 WARUNG AJIB

1.1 lib/models/product.dart

```
class Product {
     final int id;
2
     final String name;
     final String description;
     final int price; // Menggunakan int untuk price
     final String image;
     Product({
8
9
       required this.id,
10
       required this.name,
11
       required this.description,
       required this.price,
12
13
       required this.image,
14
     });
15
16
     // Factory method untuk membuat instance dari JSON
     factory Product.fromJson(Map<String, dynamic> json) {
17
       return Product(
18
19
         id: json['id'],
         name: json['name'],
20
         description: json['description'],
21
22
         price: json['price'], // Tidak perlu konversi
23
         image: json['image'],
24
       );
25
     }
26
27
     // Method untuk mengubah instance menjadi JSON
28
     Map<String, dynamic> toJson() {
29
       return {
         'id': id,
31
          'name': name,
32
          'description': description,
         'price': price, // Tetap int
34
         'image': image,
35
       };
     }
37
   }
```

1.2 lib/main.dart

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

void main() {
```

```
runApp(const MyApp());
6 }
   class MyApp extends StatelessWidget {
8
     const MyApp({super.key});
10
11
     @override
     Widget build(BuildContext context) {
12
13
       return MaterialApp(
         title: 'Login dan Registrasi',
14
15
         theme: ThemeData(
16
           primarySwatch: Colors.blue,
17
         home: const SplashScreen(),
18
19
       );
     }
20
21 }
```

1.3 lib/splashscreen.dart

```
1 import 'dart:async';
2 import 'package:flutter/material.dart';
3 import 'package:warung_ajib/pages/login_page.dart';
5 class SplashScreen extends StatefulWidget {
     const SplashScreen({super.key});
     @override
8
     State<SplashScreen> createState() => _SplashScreenState();
9 }
10
11 class _SplashScreenState extends State<SplashScreen> {
     startSplashScreen() async {
12
13
       var duration = const Duration(seconds: 5);
14
       return Timer(duration, () {
15
         Navigator.pushReplacement(context,
16
             MaterialPageRoute(builder: (context) => const LoginPage()));
17
       });
     }
18
19
    @override
20
21
     void initState() {
22
       super.initState();
23
       startSplashScreen();
24
     }
25
26
     @override
27
     Widget build(BuildContext context) {
28
       return Scaffold(
29
         backgroundColor: Colors.blueGrey,
```

```
body: Column(
31
            mainAxisAlignment: MainAxisAlignment.center,
            crossAxisAlignment: CrossAxisAlignment.center,
            children: [
34
              Center(
                child: Image.asset(
                  "assets/Estehajib-Jumbo.png",
37
                  width: 200.0,
38
                  height: 100.0,
                  fit: BoxFit.contain,
39
                ),
40
41
              ),
42
              const SizedBox(
43
                height: 24.0,
44
              const Text(
45
46
                "Selamat Datang\ndi\nWarung Ajib",
                style: TextStyle(
47
48
                  color: Colors.white,
49
                  fontWeight: FontWeight.bold,
50
                  fontSize: 35.0,
51
                ),
52
                textAlign: TextAlign.center,
53
              ),
54
            ],
55
          ),
56
       );
57
     }
58 }
```

1.4 lib/pages/register_page.dart

```
import 'package:flutter/material.dart';
   import 'package:shared_preferences/shared_preferences.dart';
4 class RegisterPage extends StatefulWidget {
5
     const RegisterPage({super.key});
6
7
     @override
8
     _RegisterPageState createState() => _RegisterPageState();
9 }
10
11
   class _RegisterPageState extends State<RegisterPage> {
     final TextEditingController _usernameController =
         TextEditingController();
13
     final TextEditingController _passwordController =
        TextEditingController();
14
     Future < void > _ register() async {
15
```

```
SharedPreferences prefs = await SharedPreferences.getInstance();
16
17
        await prefs.setString(_usernameController.text, _passwordController
           .text);
18
        ScaffoldMessenger.of(context).showSnackBar(
19
20
          const SnackBar(content: Text('Registrasi berhasil!')),
21
        );
22
23
        Navigator.of(context).pop(); // Kembali ke halaman login
24
     }
25
26
     @override
27
     Widget build(BuildContext context) {
        return Scaffold(
28
29
          appBar: AppBar(
            title: const Text('Registrasi'),
31
          ),
32
          body: Padding(
            padding: const EdgeInsets.all(16.0),
34
            child: Column(
              children: [
                TextField(
37
                  controller: usernameController.
                  decoration: const InputDecoration(labelText: 'Username'),
38
                ),
30
                TextField(
40
41
                  controller: _passwordController,
42
                  decoration: const InputDecoration(labelText: 'Password'),
43
                  obscureText: true,
44
45
                const SizedBox(height: 20),
46
                ElevatedButton(
47
                  onPressed: _register,
                  child: const Text('Registrasi'),
48
49
                ),
50
              ],
51
            ),
52
          ),
53
        );
54
     }
55
   }
```

1.5 lib/pages/user_update_page.dart

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

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

```
6
 7
     @override
      _UserUpdatePageState createState() => _UserUpdatePageState();
 8
 9
10
11
   class _UserUpdatePageState extends State<UserUpdatePage> {
     final _nameController = TextEditingController();
12
      final _currentPasswordController = TextEditingController();
13
14
     final _newPasswordController = TextEditingController();
15
     @override
16
17
     void initState() {
       super.initState();
18
19
        _loadUserData();
20
21
22
     Future<void> _loadUserData() async {
23
       final prefs = await SharedPreferences.getInstance();
24
        setState(() {
          _nameController.text = prefs.getString('currentUser') ?? '';
25
26
       });
27
     }
28
      Future<void> _updateUserInfoAndPassword() async {
29
       final prefs = await SharedPreferences.getInstance();
30
31
        String currentUser = _nameController.text;
32
        String currentPassword = _currentPasswordController.text;
33
       String newPassword = _newPasswordController.text;
34
        // Validasi dan perbarui password
        String? storedPassword = prefs.getString(currentUser);
        if (storedPassword != null && storedPassword == currentPassword) {
37
          await prefs.setString('userPassword', newPassword);
38
          ScaffoldMessenger.of(context).showSnackBar(
            const SnackBar(
40
41
                content:
                    Text('Informasi pengguna dan password berhasil
42
                       diperbarui!')),
43
          );
44
       } else {
45
          ScaffoldMessenger.of(context).showSnackBar(
46
            const SnackBar(content: Text('Password sekarang salah!')),
47
          );
48
       }
     }
49
50
51
     @override
52
     Widget build(BuildContext context) {
53
       return Scaffold(
54
          appBar: AppBar(
            title: const Text('Update User & Password'),
55
```

```
56
57
          body: Padding(
            padding: const EdgeInsets.all(16.0),
58
59
            child: SingleChildScrollView(
60
              child: Column(
61
                children: [
62
                  TextField(
                    controller: _nameController,
63
64
                    decoration: const InputDecoration(labelText: 'Username'
                        ),
                  ),
                  const SizedBox(height: 20),
                  TextField(
67
                    controller: _currentPasswordController,
                    decoration:
                        const InputDecoration(labelText: 'Password Sekarang
71
                    obscureText: true,
72
                  ),
                  TextField(
                    controller: _newPasswordController,
74
                    decoration: const InputDecoration(labelText: 'Password
                        Baru'),
76
                    obscureText: true,
77
                  ),
                  const SizedBox(height: 20),
78
79
                  ElevatedButton(
80
                    onPressed: _updateUserInfoAndPassword,
                    child: const Text('Update'),
81
                  ),
82
83
                  const SizedBox(height: 10),
84
                  ElevatedButton(
                    onPressed: () => Navigator.pop(context),
85
                    child: const Text('Batal'),
86
87
                  ),
88
                ],
89
             ),
90
            ),
91
         ),
92
       );
93
     }
94
   }
```

1.6 lib/pages/sms_page.dart

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

class SmsPage extends StatelessWidget {
```

```
5
     final String phoneNumber = '081234567890';
 6
 7
     const SmsPage({super.key}); // Ganti dengan nomor telepon penjual
 8
 9
     @override
10
     Widget build(BuildContext context) {
11
        return Scaffold(
12
          appBar: AppBar(
13
            title: const Text('SMS ke Penjual'),
14
15
          body: Padding(
16
            padding: const EdgeInsets.all(16.0),
            child: Column(
17
              mainAxisAlignment: MainAxisAlignment.center,
18
19
              children: [
20
                const Text(
21
                  'Kirim SMS ke Penjual',
                  style: TextStyle(fontSize: 24, fontWeight: FontWeight.
22
                      bold),
23
                  textAlign: TextAlign.center,
24
                ),
25
                const SizedBox(height: 20),
26
                const Text(
27
                  'Jika Anda ingin menghubungi penjual melalui SMS, silakan
                       tekan tombol di bawah ini:',
28
                  textAlign: TextAlign.center,
29
                  style: TextStyle(fontSize: 18),
                ),
31
                const SizedBox(height: 20),
32
                  phoneNumber,
                  style: const TextStyle(fontSize: 22, color: Colors.blue),
34
                ),
                const SizedBox(height: 20),
                ElevatedButton(
                  onPressed: () => _sendSms(phoneNumber),
                  child: const Text('Kirim SMS'),
40
                ),
              ],
41
42
            ),
43
          ),
44
        );
     }
45
46
      Future<void> _sendSms(String phoneNumber) async {
47
48
        final Uri launchUri = Uri(
          scheme: 'sms',
49
          path: phoneNumber,
50
51
        );
        await launchUrl(launchUri);
53
```

8

```
54 }
```

1.7 lib/pages/maps_page.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:flutter_svg/flutter_svg.dart';
3 import 'package:map_launcher/map_launcher.dart';
   class MapsPage extends StatelessWidget {
6
     final String address =
7
          'Jl. Pd. Majapahit I No.b.13, Bandungmulyo, Bandungrejo, Kec.
             Mranggen, Kabupaten Demak, Jawa Tengah 59567'; // Ganti dengan
              alamat penjual
8
9
     const MapsPage({super.key});
10
11
     @override
     Widget build(BuildContext context) {
12
13
       return Scaffold(
14
         appBar: AppBar(
15
           title: const Text('Lokasi Penjual'),
16
         ),
         body: Padding(
17
           padding: const EdgeInsets.all(16.0),
18
19
           child: Column(
20
             mainAxisAlignment: MainAxisAlignment.center,
21
             children: [
                const Text(
23
                  'Temukan Lokasi Kami',
                  style: TextStyle(fontSize: 24, fontWeight: FontWeight.
24
                     bold),
                 textAlign: TextAlign.center,
                ),
                const SizedBox(height: 20),
27
28
                const Text(
29
                  'Jika Anda ingin mengunjungi kami, berikut adalah
                     alamatnya: ',
                  textAlign: TextAlign.center,
31
                  style: TextStyle(fontSize: 18),
32
                ),
33
                const SizedBox(height: 20),
34
                Text(
                  address,
                  style: const TextStyle(fontSize: 22, color: Colors.blue),
                 textAlign: TextAlign.center,
                ),
39
                const SizedBox(height: 20),
40
                ElevatedButton(
41
                  onPressed: () => _openMap(context),
```

```
child: const Text('Buka di Google Maps'),
42
43
                ),
              ],
44
45
            ),
46
          ),
47
        );
     }
48
49
50
     Future<void> _openMap(BuildContext context) async {
51
          try {
            final coords = Coords(-7.022162, 110.506912);
52
53
            const title = "Warung Ajib";
54
            final availableMaps = await MapLauncher.installedMaps;
55
            showModalBottomSheet(
56
57
              context: context,
58
              builder: (BuildContext context) {
                return SafeArea(
59
60
                  child: SingleChildScrollView(
                     child: Container(
61
                       child: Wrap(
62
                         children: <Widget>[
63
64
                           for (var map in availableMaps)
                             ListTile(
65
                               onTap: () => map.showMarker(
66
67
                                 coords: coords,
                                 title: title,
69
                               ),
                               title: Text(map.mapName),
                               leading: SvgPicture.asset(
71
72
                                 map.icon,
73
                                 height: 30.0,
74
                                 width: 30.0,
75
                               ),
76
                             ),
                        ],
77
                   ),
78
79
80
                  ),
                );
81
82
              },
            );
83
84
          } catch (e) {
85
            print(e);
86
          }
87
     }
   }
88
```

1.8 lib/pages/login_page.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:shared_preferences/shared_preferences.dart';
3 import 'package:warung_ajib/pages/dashboard_page.dart';
4 import 'package:warung_ajib/pages/register_page.dart';
6 class LoginPage extends StatefulWidget {
     const LoginPage({super.key});
8
9
     @override
10
     _LoginPageState createState() => _LoginPageState();
11 }
12
13
  class _LoginPageState extends State<LoginPage> {
     final TextEditingController _usernameController =
14
         TextEditingController();
15
     final TextEditingController _passwordController =
        TextEditingController();
17
     Future<void> _login() async {
18
       SharedPreferences prefs = await SharedPreferences.getInstance();
19
       String? storedPassword = prefs.getString(_usernameController.text);
20
21
       if (storedPassword != null && storedPassword == _passwordController
          .text) {
         // Login berhasil
23
         prefs.setString('currentUser', _usernameController.text);
24
         ScaffoldMessenger.of(context).showSnackBar(
25
           const SnackBar(content: Text('Login berhasil!')),
26
27
         Navigator.pushReplacement(
28
           context,
29
           MaterialPageRoute(builder: (context) => const DashboardPage()),
         );
31
       } else {
         // Gagal login
32
         ScaffoldMessenger.of(context).showSnackBar(
34
           const SnackBar(content: Text('Username atau password salah.')),
         );
       }
     }
39
     @override
40
     Widget build(BuildContext context) {
41
       return Scaffold(
42
         appBar: AppBar(
43
           title: const Text('Login'),
44
         ),
45
         body: Padding(
46
           padding: const EdgeInsets.all(16.0),
           child: Column(
47
```

```
children: [
48
49
                TextField(
                  controller: _usernameController,
50
51
                  decoration: const InputDecoration(labelText: 'Username'),
52
                ),
                TextField(
53
                  controller: _passwordController,
54
55
                  decoration: const InputDecoration(labelText: 'Password'),
56
                  obscureText: true,
57
                ),
58
                const SizedBox(height: 20),
59
                ElevatedButton(
                  onPressed: _login,
                  child: const Text('Login'),
61
62
                TextButton(
63
64
                  onPressed: () {
65
                    Navigator.of(context).push(MaterialPageRoute(
                      builder: (context) => const RegisterPage(),
67
                    ));
                  },
68
                  child: const Text('Belum punya akun? Registrasi di sini')
69
70
                ),
71
              ],
72
            ),
73
         ),
74
        );
     }
75
76 }
```

1.9 lib/pages/payment_page.dart

```
import 'package:flutter/material.dart';
   import 'package:warung_ajib/models/product.dart';
3
4 class PaymentPage extends StatelessWidget {
     final int totalTransaction;
     final Map<Product, int> productQuantityMap;
     final VoidCallback onPaymentComplete;
7
8
9
     const PaymentPage({
       super.key,
10
       required this.totalTransaction,
11
       required this.productQuantityMap,
12
13
       required this.onPaymentComplete,
14
     });
15
16
     @override
```

```
Widget build(BuildContext context) {
17
18
        return Scaffold(
19
          appBar: AppBar(
20
            title: const Text('Pembayaran'),
21
          ),
          body: Padding(
            padding: const EdgeInsets.all(16.0),
23
            child: Column(
24
25
              children: [
26
                const Center(
27
                  child: Text(
28
                     'Daftar Produk:',
29
                    style: TextStyle(fontSize: 20, fontWeight: FontWeight.
                        bold),
                  ),
                ),
31
32
                const SizedBox(height: 10),
                Expanded(
34
                  child: ListView(
                     children: productQuantityMap.entries
                         .where((entry) => entry.value > 0)
37
                         .map((entry) => ListTile(
38
                               title: Text(entry.key.name),
                               subtitle: Text('Jumlah: ${entry.value}'),
39
                               trailing: Text('Rp. ${entry.key.price * entry
40
                                   .value}'),
41
                             ))
42
                         .toList(),
                  ),
43
                ),
44
45
                const SizedBox(height: 20),
46
                const Center(
                  child: Text(
47
                     'Total Transaksi:',
48
49
                    style: TextStyle(fontSize: 20, fontWeight: FontWeight.
                        bold),
                  ),
                ),
51
52
                Center(
53
                  child: Text(
                    'Rp. $totalTransaction',
54
55
                    style: const TextStyle(fontSize: 18),
56
                  ),
57
                ),
                const SizedBox(height: 20),
59
                ElevatedButton(
60
                  onPressed: () async {
61
                     final result = await showDialog<bool>(
                       context: context,
62
                       builder: (context) => AlertDialog(
63
64
                         title: const Text('Konfirmasi Pembayaran'),
```

```
content: const Text('Apakah Anda yakin ingin
65
                             melakukan pembayaran?'),
                         actions: [
                           TextButton(
                             onPressed: () => Navigator.pop(context, false),
68
69
                             child: const Text('Batal'),
                           ),
                           TextButton(
71
72
                             onPressed: () => Navigator.pop(context, true),
73
                             child: const Text('Ya'),
74
                           ),
75
                         ],
                       ),
                     );
77
78
79
                     if (result == true) {
80
                       onPaymentComplete();
81
                       Navigator.pop(context);
82
83
                  },
84
                  child: const Text('Bayar'),
85
                ),
86
              ],
            ),
87
          ),
88
89
        );
90
     }
91 }
```

1.10 lib/pages/call_center_page.dart

```
import 'package:flutter/material.dart';
   import 'package:url_launcher/url_launcher.dart';
   class CallCenterPage extends StatelessWidget {
4
5
     final String phoneNumber = '081234567890';
6
7
     const CallCenterPage({super.key}); // Ganti dengan nomor telepon
        penjual
8
9
     @override
10
     Widget build(BuildContext context) {
11
       return Scaffold(
12
         appBar: AppBar(
13
           title: const Text('Call Center Penjual'),
14
15
         body: Padding(
16
           padding: const EdgeInsets.all(16.0),
17
           child: Column(
```

```
18
              mainAxisAlignment: MainAxisAlignment.center,
19
              children: [
20
                const Text(
                  'Hubungi Call Center Kami',
21
                  style: TextStyle(fontSize: 24, fontWeight: FontWeight.
22
23
                  textAlign: TextAlign.center,
24
                ),
25
                const SizedBox(height: 20),
26
                const Text(
                  'Jika Anda memiliki pertanyaan atau masalah, silakan
                      hubungi kami di:',
28
                  textAlign: TextAlign.center,
                  style: TextStyle(fontSize: 18),
29
                const SizedBox(height: 20),
31
32
                Text(
                  phoneNumber,
34
                  style: const TextStyle(fontSize: 22, color: Colors.blue),
                ),
                const SizedBox(height: 20),
37
                ElevatedButton(
38
                  onPressed: () => makePhoneCall(phoneNumber),
                  child: const Text('Hubungi Sekarang'),
39
40
                ),
              ],
41
            ),
42
43
         ),
44
        );
45
     }
46
      Future<void> _makePhoneCall(String phoneNumber) async {
47
        final Uri launchUri = Uri(
48
          scheme: 'tel',
49
50
          path: phoneNumber,
51
        );
        await launchUrl(launchUri);
52
53
     }
54 }
```

1.11 lib/pages/dashboard_page.dart

```
import 'dart:convert';
import 'package:flutter/services.dart' show rootBundle;
import 'package:flutter/material.dart';
import 'package:warung_ajib/models/product.dart';
import 'package:warung_ajib/pages/call_center_page.dart';
import 'package:warung_ajib/pages/login_page.dart';
import 'package:warung_ajib/pages/maps_page.dart';
```

```
8 import 'package:warung_ajib/pages/payment_page.dart';
    import 'package:warung_ajib/pages/sms_page.dart';
import 'package:warung_ajib/pages/user_update_page.dart';
11
   class DashboardPage extends StatefulWidget {
12
13
      const DashboardPage({super.key});
14
15
      @override
16
      _DashboardPageState createState() => _DashboardPageState();
17
18
19 class _DashboardPageState extends State<DashboardPage> {
     late Map<Product, int> productQuantityMap = {};
20
21
      int totalHarga = 0;
22
      @override
23
24
      void initState() {
25
        super.initState();
        _loadProducts();
26
27
28
29
      Future < void > _ loadProducts() async {
        final String response = await rootBundle.loadString('assets/
           products.json');
        final List<dynamic> data = json.decode(response);
31
32
        setState(() {
33
          productQuantityMap = {
34
            for (var product in data.map((json) => Product.fromJson(json)))
              product: 0
          };
37
        });
38
40
      void _tambahKeTotal(Product product) {
        setState(() {
41
          totalHarga += product.price;
42
          productQuantityMap[product] = (productQuantityMap[product] ?? 0)
43
             + 1;
44
        });
      }
45
46
47
      void _resetTransaction() {
48
        setState(() {
49
          totalHarga = 0;
          productQuantityMap = {
51
            for (var product in productQuantityMap.keys) product: 0
52
          };
53
        });
54
55
      void _showMenu(String choice) {
```

```
57
        switch (choice) {
58
          case 'Update User & Password':
59
            Navigator.push(
               context,
               MaterialPageRoute(builder: (context) => const UserUpdatePage
61
                  ()),
62
            );
            break;
63
64
          case 'Call Center Penjual':
65
            Navigator.push(
              context,
67
               MaterialPageRoute(builder: (context) => const CallCenterPage
            );
69
            break;
          case 'SMS ke Penjual':
71
            Navigator.push(
72
               context,
              MaterialPageRoute(builder: (context) => const SmsPage()),
73
            );
74
75
            break;
76
          case 'Maps Lokasi Agen':
77
            Navigator.push(
78
              context,
79
               MaterialPageRoute(builder: (context) => const MapsPage()),
            );
81
            break;
82
          case 'Pembayaran':
83
            Navigator.push(
84
               context,
85
               MaterialPageRoute(
                 builder: (context) => PaymentPage(
86
                   totalTransaction: totalHarga,
87
                   productQuantityMap: productQuantityMap,
89
                   onPaymentComplete: _resetTransaction,
90
                 ),
              ),
91
92
            );
            break;
          case 'Logout':
94
            Navigator.pushReplacement(
96
               MaterialPageRoute(builder: (context) => const LoginPage()),
97
98
            );
99
            break;
        }
      }
102
103
      @override
      Widget build(BuildContext context) {
104
105
        return Scaffold(
```

```
106
           appBar: AppBar(
107
             title: const Text('Warung Ajib'),
108
             actions: [
109
               PopupMenuButton<String>(
110
                 onSelected: _showMenu,
111
                 itemBuilder: (BuildContext context) {
                   return [
112
113
                      const PopupMenuItem(
114
                       value: 'Update User & Password',
                        child: Text('Update User & Password'),
115
                     ),
116
117
                     const PopupMenuItem<String>(
                       value: 'Call Center Penjual',
118
119
                        child: Text('Call Center Penjual'),
120
121
                     const PopupMenuItem<String>(
122
                       value: 'SMS ke Penjual',
123
                        child: Text('SMS ke Penjual'),
                     ),
124
125
                     const PopupMenuItem<String>(
                       value: 'Maps Lokasi Agen',
126
127
                        child: Text('Maps Lokasi Agen'),
128
                     ),
129
                     const PopupMenuItem<String>(
                       value: 'Pembayaran',
130
                        child: Text('Pembayaran'),
131
132
                     ),
133
                     const PopupMenuItem<String>(
134
                       value: 'Logout',
135
                        child: Text('Logout'),
136
                     ),
137
                   ];
138
                 },
               ),
139
             ],
140
          ),
141
142
           body: productQuantityMap.isEmpty
143
               ? const Center(child: CircularProgressIndicator())
144
               : SingleChildScrollView(
                   child: Column(
145
146
                     children: [
147
                       GridView.builder(
148
                          gridDelegate:
149
                              const SliverGridDelegateWithFixedCrossAxisCount
                            crossAxisCount: 2,
151
                            crossAxisSpacing: 8.0,
152
                            mainAxisSpacing: 8.0,
153
                            childAspectRatio: 0.7,
                          ),
154
155
                          itemCount: productQuantityMap.length,
```

```
156
                          shrinkWrap: true,
157
                          physics: const NeverScrollableScrollPhysics(),
158
                          itemBuilder: (context, index) {
159
                            final product = productQuantityMap.keys.elementAt
                                (index);
                            return _buildProductCard(context, product);
160
161
                          },
162
                       ),
163
                     ],
                   ),
164
                 ),
165
166
           bottomNavigationBar: GestureDetector(
167
             onTap: () {
168
               _showMenu('Pembayaran');
             },
169
170
             child: BottomAppBar(
171
               color: Colors.blue.shade100,
172
               child: Padding(
173
                 padding: const EdgeInsets.all(16.0),
174
                 child: Text(
175
                   "Total: Rp. $totalHarga",
176
                   style: const TextStyle(fontSize: 18, fontWeight:
                       FontWeight.bold),
177
                   textAlign: TextAlign.center,
178
                 ),
179
               ),
180
             ),
           ),
        );
      }
184
      Widget _buildProductCard(BuildContext context, Product product) {
185
186
        return GestureDetector(
187
           onTap: () {
             _tambahKeTotal(product);
188
189
           },
190
           child: Card(
191
             elevation: 4.0,
192
             shape: RoundedRectangleBorder(borderRadius: BorderRadius.
                circular(10)),
             child: Column(
193
194
               crossAxisAlignment: CrossAxisAlignment.stretch,
195
               children: [
196
                 ClipRRect(
197
                   borderRadius:
198
                        const BorderRadius.vertical(top: Radius.circular(10))
                   child: Image.asset(
199
                      'assets/images/${product.image}',
200
                     fit: BoxFit.cover,
201
202
                     height: 100,
```

```
width: double.infinity,
203
204
                   ),
205
                 ),
206
                 Expanded(
                   child: Padding(
207
208
                      padding: const EdgeInsets.all(8.0),
209
                      child: Column(
210
                        crossAxisAlignment: CrossAxisAlignment.start,
211
                        children: [
212
                          Text(
213
                            product.name,
214
                            maxLines: 1,
215
                            style: const TextStyle(
                                 fontSize: 14, fontWeight: FontWeight.bold),
216
217
218
                          const SizedBox(height: 4),
219
                          Text(
220
                            product.description,
221
                            maxLines: 4,
222
                            overflow: TextOverflow.ellipsis,
223
                            style: const TextStyle(fontSize: 14),
224
                          ),
225
                          const Spacer(),
226
                          Text(
227
                            "Rp. ${product.price}",
228
                            style: const TextStyle(
229
                              fontSize: 16,
230
                              fontWeight: FontWeight.bold,
231
                            ),
                          ),
232
                    ),
233
234
                   ),
235
                 ),
236
              ],
237
238
             ),
239
          ),
240
         );
241
      }
242 }
```

1.12 screenshot

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