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## **PRAKTIKUM\_6**

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## 1 menu\_makanan

### 1.1 lib/menu\_page.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:menu_makanan/menu.dart';
3 import 'package:menu_makanan/pesan_page.dart';
4
5 //ignore: must_be_immutable
6 class MenuPage extends StatelessWidget {
7   MenuPage({super.key});
8   List<Menu> listMenu = [];
9   void dummyMenu() {
10     listMenu.add(Menu(
11       nama: 'Sate Ayam',
12       deskripsi: "Sate yang dibuat dari Ayam",
13       harga: 20000,
14       gambar: 'sate.jpg'));
15     listMenu.add(Menu(
16       nama: "Soto Ayam",
17       deskripsi: "Soto ayam gurih kuah kental kentul",
18       harga: 15000,
19       gambar: 'soto.jpg'));
20     listMenu.add(Menu(
21       nama: "Bubur Ayam",
22       deskripsi: "Bubur Ayam Jakarta",
23       harga: 18000,
24       gambar: 'bubur.jpg'));
25     listMenu.add(Menu(
26       nama: "Steak",
27       deskripsi: "Steak ala Waroeng",
28       harga: 25000,
29       gambar: 'steak.jpg'));
30     listMenu.add(Menu(
31       nama: "Es Teh Ajib",
32       deskripsi: "Es Teh Ajib segar menyegarkan #estehajib",
33       harga: 3000,
34       gambar: 'esteh1.jpg'));
35   }
36
37   @override
38   Widget build(BuildContext context) {
39     dummyMenu();
40     return Scaffold(
41       appBar: AppBar(title: const Text('Aplikasi Menu Makanan')),
42       body: Column(children: [
43         const SizedBox(
44           width: double.infinity,
45           child: Text("Pilih Menu"),
46         ),
```

```
47     Expanded(
48       child: ListView.builder(
49         itemCount: listMenu.length,
50         shrinkWrap: true,
51         itemBuilder: (BuildContext context, int index) {
52           return ListTile(
53             leading:
54               Image.asset('assets/images/${listMenu[index].
55                 gambar}'),
56             title: Container(
57               padding: const EdgeInsets.only(bottom: 10),
58               child: Text(listMenu[index].nama)),
59             subtitle: Column(
60               crossAxisAlignment: CrossAxisAlignment.start,
61               children: [
62                 Text(listMenu[index].deskripsi),
63                 Text("Rp. ${listMenu[index].harga}")
64               ],
65             ),
66             trailing: ElevatedButton(
67               child: const Text("Pesanan"),
68               onPressed: () {
69                 Navigator.push(
70                   context,
71                   MaterialPageRoute(
72                     builder: (context) =>
73                       PesananPage(pesananMenu: listMenu[index]
74                         ))));
75             ),
76           );
77         },
78       );
79     );
80   }
81 }
```

## 1.2 lib/menu.dart

```
1 class Menu {
2   String nama;
3   String deskripsi;
4   int harga;
5   String? gambar;
6   Menu(
7     {required this.nama,
8     required this.deskripsi,
9     required this.harga,
```

```
10     this.gambar});  
11 }
```

### 1.3 lib/nota\_page.dart

```
1  import 'package:flutter/material.dart';  
2  import 'package:menu_makanan/menu.dart';  
3  import 'package:menu_makanan/menu_page.dart';  
4  
5  //ignore: must_be_immutable  
6  class NotaPage extends StatelessWidget {  
7    NotaPage({super.key, required this.pesanan, required this.jumlah});  
8    Menu pesanan;  
9    int jumlah;  
10   @override  
11   Widget build(BuildContext context) {  
12     return Scaffold(  
13       appBar: AppBar(title: const Text("Nota Anda")),  
14       body: Column(  
15         children: [  
16           const Text("Pemesanan"),  
17           Text(pesanan.nama),  
18           Text("${pesanan.harga} x $jumlah"),  
19           const Text("Berhasil Disimpan"),  
20           const Text("Total Bayar:"),  
21           Text((pesanan.harga * jumlah).toString()),  
22           ElevatedButton(  
23             onPressed: () {  
24               Navigator.of(context).pushAndRemoveUntil(  
25                 MaterialPageRoute(builder: (context) => MenuPage  
26                   ()),  
27                 (Route<dynamic> r) => false);  
28             },  
29             child: const Text("Kembali ke Menu"))  
30         ],  
31       ));  
32   }
```

### 1.4 lib/pesan\_page.dart

```
1  import 'package:flutter/material.dart';  
2  //import 'package:flutter/services.dart';  
3  import 'package:menu_makanan/menu.dart';  
4  import 'package:menu_makanan/nota_page.dart';  
5  
6  //ignore: must_be_immutable
```

```
7 class PesanPage extends StatefulWidget {
8   PesanPage({super.key, required this.pesananMenu});
9   Menu pesananMenu;
10  @override
11  State<StatefulWidget> createState() => _PesanPage(pesananMenu:
    pesananMenu);
12 }
13
14 class _PesanPage extends State {
15   _PesanPage({required this.pesananMenu});
16   Menu pesananMenu;
17   int total = 0;
18   int curJml = 0;
19   TextEditingController jmlCtrl = TextEditingController();
20   @override
21   void initState() {
22     super.initState();
23     jmlCtrl.text = '0';
24   }
25
26   void changeJml(String op) {
27     curJml = int.tryParse(jmlCtrl.text.toString()) ?? 0;
28     if (op == '+') {
29       curJml++;
30     } else if (op == '-') {
31       curJml--;
32     }
33     jmlCtrl.text = curJml.toString();
34     setState(() {
35       total = curJml * pesananMenu.harga;
36     });
37   }
38
39   @override
40   Widget build(BuildContext context) {
41     return Scaffold(
42       appBar: AppBar(title: const Text("Pesanan Anda")),
43       body: Column(
44         children: [
45           Image.asset('assets/images/${pesananMenu.gambar}'),
46           Container(
47             margin: const EdgeInsets.only(top: 20),
48             child: Text(pesananMenu.nama),
49           ),
50           Container(
51             margin: const EdgeInsets.only(top: 10),
52             child: Text(pesananMenu.deskripsi),
53           ),
54           Container(
55             child: Text("Rp. ${pesananMenu.harga}"),
56           ),
57           Row(
```

```
57         children: [
58           Center(
59             child: Ink(
60               decoration: const ShapeDecoration(
61                 shape: CircleBorder(), color: Colors.pink),
62               child: IconButton(
63                 onPressed: () {
64                   changeJml('-');
65                 },
66                 color: Colors.amber,
67                 icon: const Icon(Icons.remove, size: 20)),
68             ),
69           ),
70           SizedBox(width: 70, child: TextField(controller: jmlCtrl)
71             ),
72           IconButton(
73             onPressed: () {
74               changeJml('+');
75             },
76             color: Colors.greenAccent,
77             icon: const Icon(Icons.add, size: 10)),
78           Expanded(child: Text(total.toString())),
79         ],
80       ),
81       SizedBox(
82         width: double.infinity,
83         child: ElevatedButton(
84           onPressed: () {
85             Navigator.push(
86               context,
87               MaterialPageRoute(
88                 builder: (context) => NotaPage(
89                   pesanan: pesananMenu, jumlah: curJml)))
90             ;
91           },
92           child: const Text("Pesanan Sekarang"))
93         ),
94       );
95     }
```

### 1.5 lib/main.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:menu_makanan/menu_page.dart';
3
4 void main() {
5   runApp(const MainApp());
6 }
```

```
6 }  
7  
8 class MainApp extends StatelessWidget {  
9   const MainApp({super.key});  
10  @override  
11  Widget build(BuildContext context) {  
12    return MaterialApp(  
13      title: "Aplikasi Pemesanan Makanan",  
14      home: MenuPage(),  
15    );  
16  }  
17 }
```

## 1.6 OUTPUT



## 2 ayamku

### 2.1 lib/menu\_page.dart

```
1 import 'package:flutter/material.dart';
2 import 'package:ayamku/menu.dart';
3
4 class MenuPage extends StatefulWidget {
5   const MenuPage({super.key});
6
7   @override
8   _MenuPageState createState() => _MenuPageState();
9 }
10
11 class _MenuPageState extends State<MenuPage> {
12   late List<Menu> listMenu;
13   int totalHarga = 0; // Variabel untuk menyimpan total harga
14
15   @override
16   void initState() {
17     super.initState();
18     listMenu = _initializeMenu();
19   }
20
21   List<Menu> _initializeMenu() {
22     return [
23       Menu(
24         nama: 'Ayam Betutu',
25         deskripsi:
26           "Olahan ayam khas Gilimanuk, Bali. Olahan pedas ini pasti
27             akan memanjakan lidahmu dengan bumbu kuning yang lezat."
28         ,
29         harga: 20000,
30         gambar: 'ayam_betutu.jpg',
31       ),
32       Menu(
33         nama: "Ayam Taliwang",
34         deskripsi:
35           "Ayam Taliwang adalah makanan khas Taliwang, Sumbawa Barat,
36             Nusa Tenggara Barat.",
37         harga: 15000,
38         gambar: 'ayam_taliwang.jpg',
39       ),
40       Menu(
41         nama: "Pepes Ayam",
42         deskripsi:
43           "Olahan ayam khas Sunda ini sangat pas nikmat disajikan
44             dengan sepiring nasi putih hangat.",
45         harga: 18000,
46         gambar: 'pepes_ayam.jpg',
```

```
43     ),
44     Menu(
45       nama: "Ayam Bumbu Kemangi",
46       deskripsi:
47         "Aroma kemangi yang khas akan membuat masakan ini semakin
          nikmat.",
48       harga: 25000,
49       gambar: 'ayam_bumbu_kemangi.jpg',
50     ),
51     Menu(
52       nama: "Ayam Rica-Rica",
53       deskripsi: "Ayam juga nikmat dimasak rica-rica.",
54       harga: 30000,
55       gambar: 'ayam_rica_rica.jpg',
56     ),
57     Menu(
58       nama: "Ayam Panggang",
59       deskripsi: "Ayam panggang bisa kamu beli di banyak tempat makan
          .",
60       harga: 30000,
61       gambar: "ayam_panggang.jpg",
62     ),
63   ];
64 }
65
66 void _tambahKeTotal(int harga) {
67   setState(() {
68     totalHarga += harga; // Tambahkan harga menu ke total
69   });
70 }
71
72 @override
73 Widget build(BuildContext context) {
74   return Scaffold(
75     appBar: AppBar(title: const Text('Aplikasi Menu Makanan')),
76     body: SingleChildScrollView(
77       child: Column(
78         children: [
79           const Padding(
80             padding: EdgeInsets.all(16.0),
81             child: Text(
82               "Pilih Menu",
83               style: TextStyle(fontSize: 20, fontWeight: FontWeight.
84                 bold),
85             ),
86           GridView.builder(
87             gridDelegate: const
88               SliverGridDelegateWithFixedCrossAxisCount(
89               crossAxisCount: 2,
90               crossAxisSpacing: 8.0,
```

```
90         mainAxisAlignmentSpacing: 8.0,
91         childAspectRatio: 0.7, // Mengatur aspect ratio untuk
           card
92     ),
93     itemCount: listMenu.length,
94     shrinkWrap: true,
95     physics: const NeverScrollableScrollPhysics(),
96     itemBuilder: (context, index) {
97         return _buildMenuCard(context, listMenu[index]);
98     },
99 ),
100 ],
101 ),
102 ),
103 bottomNavigationBar: BottomAppBar(
104     color: Colors.lightBlue,
105     elevation: 4.0,
106     child: Padding(
107         padding: const EdgeInsets.all(16.0),
108         child: Text(
109             "Total: Rp. $totalHarga", // Tampilkan total di bagian
               bawah layar
110             style: const TextStyle(fontSize: 18, fontWeight: FontWeight
               .bold),
111             textAlign: TextAlign.center,
112         ),
113     ),
114 ),
115 );
116 }
117
118 Widget _buildMenuCard(BuildContext context, Menu menu) {
119     return GestureDetector(
120         onTap: () {
121             _tambahKeTotal(
122                 menu.harga); // Tambahkan harga menu ke total saat di-klik
123         },
124         child: Card(
125             elevation: 4.0,
126             shape: RoundedRectangleBorder(borderRadius: BorderRadius.circular(10)),
127             child: Column(
128                 crossAxisAlignment: CrossAxisAlignment.stretch,
129                 children: [
130                     ClipRRect(
131                         borderRadius:
132                             const BorderRadius.vertical(top: Radius.circular(10))
133                     ,
134                     child: Image.asset(
135                         'assets/images/${menu.gambar}',
136                         fit: BoxFit.cover,
```

```
136         height: 100,  
137         width: double.infinity,  
138     ),  
139 ),  
140 Expanded(  
141   child: Padding(  
142     padding: const EdgeInsets.all(8.0),  
143     child: Column(  
144       crossAxisAlignment: CrossAxisAlignment.start,  
145       children: [  
146         Text(  
147           menu.nama,  
148           maxLines: 1,  
149           style: const TextStyle(  
150             fontSize: 14, fontWeight: FontWeight.bold),  
151         ),  
152         const SizedBox(height: 4),  
153         Text(  
154           menu.deskripsi,  
155           maxLines: 4,  
156           overflow: TextOverflow.ellipsis,  
157           style: const TextStyle(fontSize: 14),  
158         ),  
159         const Spacer(),  
160         Text(  
161           "Rp. ${menu.harga}",  
162           style: const TextStyle(  
163             fontSize: 16,  
164             fontWeight: FontWeight.bold,  
165           ),  
166         ),  
167       ],  
168     ),  
169   ),  
170 ),  
171 ],  
172 ),  
173 ),  
174 );  
175 }  
176 }
```

## 2.2 lib/menu.dart

```
1 class Menu {  
2   String nama;  
3   String deskripsi;  
4   int harga;  
5   String? gambar;
```

```
6   Menu(  
7     {required this.nama,  
8     required this.deskripsi,  
9     required this.harga,  
10    this.gambar});  
11 }
```

## 2.3 lib/main.dart

```
1 import 'package:flutter/material.dart';  
2 import 'package:ayamku/menu_page.dart';  
3 import 'package:flutter_driver/driver_extension.dart';  
4  
5 void main() {  
6   enableFlutterDriverExtension();  
7   runApp(const MainApp());  
8 }  
9  
10 class MainApp extends StatelessWidget {  
11   const MainApp({super.key});  
12   @override  
13   Widget build(BuildContext context) {  
14     return const MaterialApp(  
15       title: "Aplikasi Pemesanan Makanan",  
16       home: MenuPage(),  
17     );  
18   }  
19 }
```

## 2.4 OUTPUT

