

APLIKASI PENJUALAN MAKANAN

1. Webservice, Database dan Table

a. Source code webservice yang bangun :

1. read.php

```
<?php
$conn = new mysqli("localhost","root","", "menu_makanan");
$query = mysqli_query($conn, "SELECT * FROM makanan");
$data = mysqli_fetch_all($query , MYSQLI_ASSOC);

echo json_encode($data);
?>
```

2. database.php

```
<?php
define('HOST', 'localhost');
define('USER', 'root');
define('PASS', '');
define('DB', 'menu_makanan');

$conn = mysqli_connect(HOST, USER, PASS, DB) or die ('Tidak
Tersambung')
?>
```

3. create.php

```
<?php

header('Content-Type: application/json');

$koneksi = new mysqli("localhost", "root", "", "menu_makanan");

if ($koneksi->connect_error) {
    die("Koneksi gagal: " . $koneksi->connect_error);
}

$data = json_decode(file_get_contents("php://input"), true);

$nama = $data['nama'];
$harga = $data['harga'];
$link = $data['link'];
$deskripsi = $data['deskripsi'];
$category = $data['category'];

$query = "INSERT INTO makanan (nama, harga, link, deskripsi, category)
VALUES ('$nama', '$harga', '$link', '$deskripsi', '$category')";
```

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```
$response = array(); // Ini akan menjadi respons yang dikirimkan ke
Flutter

if ($koneksi->query($query) === TRUE) {
    $response['status'] = 'success';
    $response['message'] = 'Data berhasil disimpan';
} else {
    $response['status'] = 'error';
    $response['message'] = 'Error: ' . $query . "<br>" . $koneksi-
>error;
}

echo json_encode($response);

$koneksi->close();
?>
```

4. search.php

```
<?php

header('Content-Type: application/json');

$koneksi = new mysqli("localhost", "root", "", "menu_makanan");

if ($koneksi->connect_error) {
    die("Koneksi gagal: " . $koneksi->connect_error);
}

$data = json_decode(file_get_contents("php://input"), true);

$query = $data['query'];

$sql = "SELECT * FROM makanan WHERE nama LIKE '%$query%'";

$result = $koneksi->query($sql);

$response = array();

if ($result->num_rows > 0) {
    while($row = $result->fetch_assoc()) {
        $response['data'][] = $row;
    }

    $response['status'] = 'success';
    $response['message'] = 'Data ditemukan';
} else {
    $response['status'] = 'error';
```

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```
    $response['message'] = 'Tidak ada hasil pencarian';  
}  
  
echo json_encode($response);  
  
$koneksi->close();  
?>
```

5. update.php

```
<?php  
  
header('Content-Type: application/json');  
  
$koneksi = new mysqli("localhost", "root", "", "menu_makanan");  
  
if ($koneksi->connect_error) {  
    die("Koneksi gagal: " . $koneksi->connect_error);  
}  
  
$data = json_decode(file_get_contents("php://input"), true);  
  
$id = $data['id'];  
$nama = $data['nama'];  
$harga = $data['harga'];  
$link = $data['link'];  
$deskripsi = $data['deskripsi'];  
$category = $data['category'];  
  
$query = "UPDATE makanan SET nama='$nama', harga='$harga',  
link='$link', deskripsi='$deskripsi', category='$category' WHERE  
id='$id'";  
  
if ($koneksi->query($query) === TRUE) {  
    echo json_encode(array("status" => "success", "message" => "Data  
berhasil diupdate"));  
} else {  
    echo json_encode(array("status" => "error", "message" => "Error: "  
    . $query . "<br>" . $koneksi->error));  
}  
  
$koneksi->close();  
?>
```

6. delete.php

```
<?php  
  
header('Content-Type: application/json');
```

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```
$koneksi = new mysqli("localhost", "root", "", "menu_makanan");

if ($koneksi->connect_error) {
    die("Koneksi gagal: " . $koneksi->connect_error);
}

$data = json_decode(file_get_contents("php://input"), true);

$id = $data['id'];

$query = "DELETE FROM makanan WHERE id = '$id'";

if ($koneksi->query($query) === TRUE) {
    echo json_encode(array('status' => 'success', 'message' => 'Data berhasil dihapus'));
} else {
    echo json_encode(array('status' => 'error', 'message' => 'Gagal menghapus data. Error: ' . $koneksi->error));
}

$koneksi->close();
?>
```

7. transaksi.php

```
<?php

header('Content-Type: application/json');

$koneksi = new mysqli("localhost", "root", "", "menu_makanan");

if ($koneksi->connect_error) {
    die("Koneksi gagal: " . $koneksi->connect_error);
}

$data = json_decode(file_get_contents("php://input"), true);

$qty = $data['qty'];
$hargaTotal = $data['harga_total'];
$uangPembeli = $data['uangPembeli'];
$kembalian = $data['kembalian'];

$query = "INSERT INTO transaksi (qty, harga_total, uangPembeli, kembalian) VALUES ('$qty', '$hargaTotal', '$uangPembeli', '$kembalian')";

$response = array(); // Ini akan menjadi respons yang dikirimkan ke Flutter
```

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```
if ($koneksi->query($query) === TRUE) {  
    $response['status'] = 'success';  
    $response['message'] = 'Transaksi berhasil disimpan';  
} else {  
    $response['status'] = 'error';  
    $response['message'] = 'Error: ' . $query . "<br>" . $koneksi->error();  
}  
  
echo json_encode($response);  
  
$koneksi->close();  
?>  
8.
```

- b. Database menggunakan : MySQL
c. Nama table pada database :
- makanan dan transaksi

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> makanan	Browse Structure Search Insert Empty Drop	19	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> transaksi	Browse Structure Search Insert Empty Drop	11	InnoDB	utf8mb4_general_ci	32.0 KiB	-
2 tables Sum		30	InnoDB	utf8mb4_general_ci	48.0 KiB	0 B

2. Isi dari file pada folder lib

- a. main.dart



main.dart

```
import 'package:flutter/material.dart';  
import 'package:untitled/ui/menu.dart';  
  
void main() {  
    runApp(const MyApp());  
}  
  
class MyApp extends StatelessWidget {  
    const MyApp({super.key});  
  
    // This widget is the root of your application.  
    @override  
    Widget build(BuildContext context) {  
        return MaterialApp(  
            debugShowCheckedModeBanner: false,  
            title: 'Flutter Demo',  
            theme: ThemeData(  
                // This is the theme of your application.  
                //  
                // TRY THIS: Try running your application with "flutter run".  
                You'll see
```

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```
// the application has a purple toolbar. Then, without quitting the
app,
// try changing the seedColor in the colorScheme below to
Colors.green
// and then invoke "hot reload" (save your changes or press the
"hot
// reload" button in a Flutter-supported IDE, or press "r" if you
used
// the command line to start the app).
//
// Notice that the counter didn't reset back to zero; the
application
// state is not lost during the reload. To reset the state, use hot
// restart instead.
//
// This works for code too, not just values: Most code changes can
be
// tested with just a hot reload.
colorScheme: ColorScheme.fromSeed(seedColor: Colors.deepPurple),
useMaterial3: true,
),
// home: const MyHomePage(title: 'Flutter Demo Home Page'),
home: MenuMakanan(),
);
}
}

class MyHomePage extends StatefulWidget {
  const MyHomePage({super.key, required this.title});

  final String title;

  @override
  State<MyHomePage> createState() => _MyHomePageState();
}

class _MyHomePageState extends State<MyHomePage> {
  int _counter = 0;

  void _incrementCounter() {
    setState(() {
      // This call to setState tells the Flutter framework that something
      // has
      // changed in this State, which causes it to rerun the build method
      // below
      // so that the display can reflect the updated values. If we changed
      // _counter without calling setState(), then the build method would
      // not be
      // called again, and so nothing would appear to happen.
      _counter++;
    });
  }

  @override
  Widget build(BuildContext context) {
    // This method is rerun every time setState is called, for instance as
    // done
    // by the _incrementCounter method above.
    //
    // The Flutter framework has been optimized to make rerunning build
```

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```
methods
  // fast, so that you can just rebuild anything that needs updating
rather
  // than having to individually change instances of widgets.
  return Scaffold(
    appBar: AppBar(
      // TRY THIS: Try changing the color here to a specific color (to
      // Colors.amber, perhaps?) and trigger a hot reload to see the
AppBar
      // change color while the other colors stay the same.
      backgroundColor: Theme.of(context).colorScheme.inversePrimary,
      // Here we take the value from the MyHomePage object that was
created by
      // the App.build method, and use it to set our appBar title.
      title: Text(widget.title),
    ),
    body: Center(
      // Center is a layout widget. It takes a single child and positions
it
      // in the middle of the parent.
      child: Column(
        // Column is also a layout widget. It takes a list of children
and
        // arranges them vertically. By default, it sizes itself to fit
its
        // children horizontally, and tries to be as tall as its parent.
        //
        // Column has various properties to control how it sizes itself
and
        // how it positions its children. Here we use mainAxisAlignment
to
        // center the children vertically; the main axis here is the
vertical
        // axis because Columns are vertical (the cross axis would be
        // horizontal).
        //
        // TRY THIS: Invoke "debug painting" (choose the "Toggle Debug
Paint"
        // action in the IDE, or press "p" in the console), to see the
        // wireframe for each widget.
        mainAxisAlignment: MainAxisAlignment.center,
        children: <Widget>[
          const Text(
            'You have pushed the button this many times:',
          ),
          Text(
            '$_counter',
            style: Theme.of(context).textTheme.headlineMedium,
          ),
        ],
      ),
    ),
    floatingActionButton: FloatingActionButton(
      onPressed: _incrementCounter,
      tooltip: 'Increment',
      child: const Icon(Icons.add),
    ),
  );
}
```

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b. menu.dart



menu.dart

```
import 'package:flutter/material.dart';
import 'package:untitled/model.dart';
import 'package:untitled/response.dart';
import 'package:untitled/service.dart';
import 'package:untitled/ui/detail_page.dart';
import 'package:untitled/ui/tambah_data.dart';

class MenuMakanan extends StatefulWidget {
  const MenuMakanan({Key? key}) : super(key: key);

  @override
  State<MenuMakanan> createState() => _MenuMakananState();
}

class _MenuMakananState extends State<MenuMakanan> {
  final ApiService = ApiService();
  late Future<ResponseMakanan> futureMakanan = ApiService().getapi();
  List<ModelMakanan> searchResults = [];
  final TextEditingController searchController = TextEditingController();

  void fetchData() async {
    try {
      ResponseMakanan response = await ApiService.getapi();
      setState(() {
        futureMakanan = Future.value(response);
      });
    } catch (error) {
      // Handle error
      debugPrint('Error fetching data: $error');
    }
  }

  void searchMakanan(String query) async {
    print('Search Query: $query');

    try {
      // Panggil metode pencarian dari ApiService
      List<ModelMakanan> results = await ApiService.searchMakanan(query);

      setState(() {
        if (results.isNotEmpty) {
          // Jika terdapat hasil pencarian, gunakan hasil tersebut
          searchResults = results;
          print('Search Results: $searchResults');
        } else {
          // Jika tidak ada hasil pencarian
          print('Tidak ada hasil pencarian');
          searchResults = [];
        }
      });
    } catch (error) {
      // Handle kesalahan lainnya
    }
  }
}
```


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```
        print('Error: $error');
    }
}

@override
void initState() {
    super.initState();
    fetchData();
}

@override
Widget build(BuildContext context) {
    return Scaffold(
        backgroundColor: Color(0xffffFE6C7),
        appBar: AppBar(
            actions: [
                IconButton(
                    onPressed: () {
                        fetchData();
                    },
                    icon: Icon(
                        Icons.refresh,
                        color: Colors.white70,
                    ))
            ],
            title: Center(
                child: Text(
                    'Menu Makanan',
                    style: TextStyle(color: Color(0xffffFA559)),
                ),
            ),
            backgroundColor: Color(0xFF454545),
        ),
        body: SingleChildScrollView(
            child: Container(
                padding: EdgeInsets.all(8.0),
                child: Column(
                    children: [
                        Container(
                            padding: EdgeInsets.all(10.0),
                            decoration: BoxDecoration(
                                border: Border.all(color: Color(0xFF454545)),
                                borderRadius: BorderRadius.circular(15.0),
                            ),
                            child: Column(
                                children: [
                                    Row(
                                        children: [
                                            Expanded(
                                                child: TextField(
                                                    controller: searchController,
                                                    onChanged: (value) {},
                                                    decoration: InputDecoration(
                                                        hintText: 'Cari Makanan Mu..',
                                                        hintStyle: TextStyle(color:
Color(0xFF454545)),
                                                        border: InputBorder.none,
                                                    ),
                                                ),
                                            ),
                                        ],
                                    ),
                                ],
                            ),
                        ),
                    ],
                ),
            ),
        ),
    );
}
```

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[illegible]

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```
        leading: Container(  
          height: 80,  
          width: 80,  
          child: Container(  
            decoration: BoxDecoration(  
              borderRadius: BorderRadius.circular(8.0),  
              boxShadow: [  
                BoxShadow(  
                  color: Colors.black.withOpacity(0.3),  
                  spreadRadius: 2,  
                  blurRadius: 5,  
                  offset: Offset(  
                    0, 3),  
                  ),  
              ],  
            ),  
            child: ClipRRect(  
              borderRadius: BorderRadius.circular(8.0),  
              child: Image.network(  
                '${makanan.link}',  
                fit: BoxFit.cover,  
              ),  
            ),  
          ),  
          title: Text('${makanan.nama}'),  
          subtitle: Text('Rp.${makanan.harga}'),  
        );  
      },  
    );  
  }  
  return Container();  
},  
) ,  
) ,  
FilledButton(  
  onPressed: () {  
    Navigator.push(  
      context,  
      MaterialPageRoute(  
        builder: (context) => AddMakananPage(),  
      ),  
    ).then((value) {  
      if (value != null && value == true) {  
        fetchData();  
      }  
    });  
  },  
  child: Text(  
    'Tambah Data',  
    style: TextStyle(color: Color(0xffffFE6C7)),  
  ),  
  style: ButtonStyle(  
    backgroundColor:  
MaterialStateProperty.all<Color>(Color(0xffffF6000)),  
  ),  
],
```

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```
    ),  
  ),  
),  
);  
}  
}
```

c. detail_page.dart



detail_page.dart

```
import 'package:flutter/material.dart';  
import 'package:untitled/model.dart';  
import 'package:untitled/service.dart';  
import 'package:untitled/ui/transaksi.dart';  
import 'package:untitled/ui/update.dart';  
  
class DetailPage extends StatefulWidget {  
  final ModelMakanan makanan;  
  
  DetailPage({required this.makanan});  
  
  @override  
  State<DetailPage> createState() => _DetailPageState();  
}  
  
class _DetailPageState extends State<DetailPage> {  
  final ApiService = ApiService();  
  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      backgroundColor: Color(0xffffE6C7),  
      appBar: AppBar(  
        backgroundColor: Color(0xFF454545),  
        title: Text(  
          'Detail Makanan',  
          style: TextStyle(color: Color(0xffFFA559)),  
        ),  
      ),  
      body: SingleChildScrollView(  
        child: Column(  
          crossAxisAlignment: CrossAxisAlignment.end,  
          children: [  
            Padding(  
              padding: const EdgeInsets.all(16.0),  
              child: Column(  
                crossAxisAlignment: CrossAxisAlignment.start,  
                children: [  
                  Container(  
                    decoration: BoxDecoration(  
                      borderRadius: BorderRadius.circular(8.0),  
                      boxShadow: [  
                        BoxShadow(  
                          color: Colors.black.withOpacity(0.5),  
                          spreadRadius: 3,  
                          blurRadius: 5,  
                          offset: Offset(1, 2),  
                        ),  
                      ],  
                    ),  
                  ),  
                ],  
              ),  
            ),  
          ],  
        ),  
      ),  
    );  
  }  
}
```

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```
    ],  
    ),  
    child: ClipRRect(  
      borderRadius: BorderRadius.circular(8.0),  
      child: Image.network(  
        widget.makanan.link ?? '',  
        height: 200,  
        width: double.infinity,  
        fit: BoxFit.cover,  
      ),  
    ),  
  ),  
  SizedBox(height: 16),  
  Text(  
    '${widget.makanan.nama ?? ''}',  
    style: TextStyle(fontSize: 30, fontWeight:  
FontWeight.bold),  
  ),  
  SizedBox(height: 8),  
  Text('Rp.${widget.makanan.harga ?? ''}',  
    style: TextStyle(fontSize: 18)),  
  SizedBox(height: 8),  
  Text('Deskripsi: ${widget.makanan.deskripsi ?? ''}',  
    style: TextStyle(fontSize: 18)),  
  SizedBox(height: 8),  
  Text('Kategori: ${widget.makanan.category ?? ''}',  
    style: TextStyle(fontSize: 18)),  
  ],  
),  
),  
SizedBox(height: 20),  
AppBar(  
  alignment: MainAxisAlignment.center,  
  children: [  
    ElevatedButton(  
      onPressed: () {  
        Navigator.push(  
          context,  
          MaterialPageRoute(  
            builder: (context) =>  
              UpdateMakananPage(makanan:  
widget.makanan)));  
      },  
      child: Text(  
        'Update Data',  
        style: TextStyle(color: Colors.white),  
      ),  
      style: ButtonStyle(  
        backgroundColor:  
MaterialStateProperty.all<Color>(Color(0xffff6000)),  
      ),  
      ElevatedButton(  
        onPressed: () {  
          hapusData();  
        },  
        style: ElevatedButton.styleFrom(  
          backgroundColor:  
            Colors.red,  
          child:
```

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```

        Text('Hapus Data', style: TextStyle(color:
Colors.white)),
      ),
    ],
  ),
  SizedBox(height: 60),
  Container(
    padding: EdgeInsets.all(20),
    child: FloatingActionButton(
      onPressed: () {
        Navigator.push(
          context,
          MaterialPageRoute(
            builder: (context) => TransaksiPage(makanan:
widget.makanan)));
      },
      child: Icon(Icons.shopping_cart),
      backgroundColor: Color(0xffFFA559),
    ))
  ],
),
),
);
}

void hapusData() async {
  try {
    await apiService.hapusDataMakanan(widget.makanan.id!);

    ScaffoldMessenger.of(context).showSnackBar(
      SnackBar(
        content: Text('Data Makanan berhasil dihapus!'),
      ),
    );

    Navigator.pop(context);
  } catch (e) {

    debugPrint('Error hapus data: $e');
    ScaffoldMessenger.of(context).showSnackBar(
      SnackBar(
        content: Text('Gagal menghapus data. Silakan coba lagi.'),
      ),
    );
  }
}
}

```

d. tambah data.dart



tambah data.dart

```
import 'package:dio/dio.dart';
import 'package:flutter/material.dart';
import 'package:untitled/service.dart';

class AddMakananPage extends StatefulWidget {
  @override
  AddMakananPageState createState() => AddMakananPageState();
}
```

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```
}  
  
class _AddMakananPageState extends State<AddMakananPage> {  
  final TextEditingController namaController = TextEditingController();  
  final TextEditingController hargaController = TextEditingController();  
  final TextEditingController linkController = TextEditingController();  
  final TextEditingController deskripsiController =  
TextEditingController();  
  final TextEditingController categoryController = TextEditingController();  
  
  final apiService = ApiService();  
  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      backgroundColor: Color(0xffFFE6C7),  
      appBar: AppBar(  
        backgroundColor: Color(0xFF454545),  
        title: Text('Tambah Makanan', style: TextStyle(color:  
Color(0xffFA559))),  
      ),  
      body: Padding(  
        padding: const EdgeInsets.all(16.0),  
        child: Column(  
          crossAxisAlignment: CrossAxisAlignment.stretch,  
          children: [  
            TextFormField(  
              controller: namaController,  
              decoration: InputDecoration(labelText: 'Nama Makanan'),  
            ),  
            TextFormField(  
              controller: hargaController,  
              keyboardType: TextInputType.number,  
              decoration: InputDecoration(labelText: 'Harga'),  
            ),  
            TextFormField(  
              controller: linkController,  
              decoration: InputDecoration(labelText: 'Link Gambar'),  
            ),  
            TextFormField(  
              controller: deskripsiController,  
              decoration: InputDecoration(labelText: 'Deskripsi'),  
            ),  
            TextFormField(  
              controller: categoryController,  
              decoration: InputDecoration(labelText: 'Kategori'),  
            ),  
            SizedBox(height: 16),  
            ElevatedButton(  
              onPressed: () {  
                tambahDataMakanan();  
              },  
              child: Text('Tambahkan Makanan', style: TextStyle(color:  
Colors.white)),  
              style: ButtonStyle(  
                backgroundColor:  
MaterialStateProperty.all<Color>(Color(0xffff6000))  
              ),  
            ),  
          ],  
        ),  
      ),  
    );  
  }  
}
```

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```
    ),  
    ),  
);  
}  
  
void tambahDataMakanan() async {  
  try {  
    await apiService.tambahDataMakanan(  
      nama: namaController.text,  
      harga: hargaController.text,  
      link: linkController.text,  
      deskripsi: deskripsiController.text,  
      category: categoryController.text,  
    );  
    Navigator.pop(context, true);  
  
    ScaffoldMessenger.of(context).showSnackBar(  
      SnackBar(  
        content: Text('Data Makanan berhasil ditambahkan!'),  
      ),  
    );  
  } catch (e) {  
    print('Error during API request: $e');  
  
    if (e is DioError) {  
      // Cetak informasi lengkap dari DioError  
      print('DioError details: ${e.response?.data}, ${e.response  
        ?.statusCode}, ${e.response?.statusMessage}');  
    }  
  
    if (e is DioException) {  
      print('Error Dio: ${e.error}');  
      ScaffoldMessenger.of(context).showSnackBar(  
        SnackBar(  
          content: Text('Gagal menambahkan data. Silakan coba lagi.'),  
        ),  
      );  
    } else {  
      print('Error lain: ${e.toString()}');  
  
      if (e is FormatException) {  
        ScaffoldMessenger.of(context).showSnackBar(  
          SnackBar(  
            content: Text(  
              'Gagal menambahkan data. Respons tidak sesuai dengan  
format JSON.'),  
          ),  
        );  
      } else {  
        if (e is DioError) {  
          print('DioError details: ${e.response?.data}, ${e.response  
            ?.statusCode}, ${e.response?.statusMessage}');  
          ScaffoldMessenger.of(context).showSnackBar(  
            SnackBar(  
              content: Text('Gagal menambahkan data. Silakan coba  
lagi.'),  
            ),  
          );  
        }  
      }  
    }  
  }  
}
```


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```
    );  
  }  
}  
}  
}  
}
```

e. update.dart



update.dart

```
import 'package:flutter/material.dart';  
import 'package:untitled/model.dart';  
import 'package:untitled/service.dart';  
  
class UpdateMakananPage extends StatefulWidget {  
  final ModelMakanan makanan;  
  
  UpdateMakananPage({required this.makanan});  
  
  @override  
  _UpdateMakananPageState createState() => _UpdateMakananPageState();  
}  
  
class _UpdateMakananPageState extends State<UpdateMakananPage> {  
  final TextEditingController namaController = TextEditingController();  
  final TextEditingController hargaController = TextEditingController();  
  final TextEditingController linkController = TextEditingController();  
  final TextEditingController deskripsiController =  
TextEditingController();  
  final TextEditingController categoryController = TextEditingController();  
  
  final ApiService = ApiService();  
  
  @override  
  void initState() {  
    super.initState();  
    namaController.text = widget.makanan.nama ?? '';  
    hargaController.text = widget.makanan.harga ?? '';  
    linkController.text = widget.makanan.link ?? '';  
    deskripsiController.text = widget.makanan.deskripsi ?? '';  
    categoryController.text = widget.makanan.category ?? '';  
  }  
  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      backgroundColor: Color(0xffFFE6C7),  
      appBar: AppBar(  
        backgroundColor: Color(0xFF454545),  
        title: Text('Update Makanan', style: TextStyle(color:  
Color(0xffFFA559))),  
      ),  
      body: Padding(  
        padding: const EdgeInsets.all(16.0),  
        child: Column(  

```

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```
crossAxisAlignment: CrossAxisAlignment.stretch,  
children: [  
  TextField(  
    controller: namaController,  
    decoration: InputDecoration(labelText: 'Nama Makanan'),  
  ),  
  TextField(  
    keyboardType: TextInputType.number,  
    controller: hargaController,  
    decoration: InputDecoration(labelText: 'Harga'),  
  ),  
  TextField(  
    controller: linkController,  
    decoration: InputDecoration(labelText: 'Link Gambar'),  
  ),  
  TextField(  
    controller: deskripsiController,  
    decoration: InputDecoration(labelText: 'Deskripsi'),  
  ),  
  TextField(  
    controller: categoryController,  
    decoration: InputDecoration(labelText: 'Kategori'),  
  ),  
  SizedBox(height: 16),  
  FilledButton(  
    onPressed: () {  
      updateDataMakanan();  
    },  
    child: Text('Update Makanan', style: TextStyle(fontSize:  
16)),  
    style: ButtonStyle(  
      backgroundColor:  
        MaterialStateProperty.all<Color>(Color(0xffff6000)),  
    ),  
  ),  
],  
,  
,  
,  
,  
);  
}  
  
void updateDataMakanan() async {  
  try {  
    int makananId = int.parse(widget.makanan.id ?? '0');  
    await apiService.updateDataMakanan(  
      id: makananId.toString(),  
      nama: namaController.text,  
      harga: hargaController.text,  
      link: linkController.text,  
      deskripsi: deskripsiController.text,  
      category: categoryController.text,  
    );  
  
    ScaffoldMessenger.of(context).showSnackBar(  
      SnackBar(  
        content: Text('Data Makanan berhasil diupdate!'),  
      ),  
    );  
    Navigator.pop(context);  
  } catch (e) {
```

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```
print('Error during API request: $e');  
ScaffoldMessenger.of(context).showSnackBar(  
  SnackBar(  
    content: Text('Gagal mengupdate data. Silakan coba lagi.'),  
  ),  
);  
}  
}
```

f. laporantransaksi.dart



laporantransaksi.dart

```
import 'package:flutter/material.dart';  
import 'package:untitled/model.dart';  
  
class LaporanPage extends StatelessWidget {  
  final ModelMakanan makanan;  
  final int quantity;  
  final int hargaTotal;  
  final int uangPembeli;  
  final int kembalian;  
  
  LaporanPage({  
    required this.makanan,  
    required this.quantity,  
    required this.hargaTotal,  
    required this.uangPembeli,  
    required this.kembalian,  
  });  
  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      body: Padding(  
        padding: const EdgeInsets.all(16.0),  
        child: Container(  
          decoration: BoxDecoration(  
            border: Border.all(color: Colors.black),  
          ),  
          child: Column(  
            crossAxisAlignment: CrossAxisAlignment.start,  
            children: [  
              Container(  
                padding: EdgeInsets.all(16.0),  
                color: Colors.grey,  
                child: Center(  
                  child: Text(  
                    'Bon Transaksi',  
                    style: TextStyle(fontSize: 20, fontWeight:  
FontWeight.bold),  
                  ),  
                ),  
              ),  
            ],  
          ),  
        ),  
      ),  
    );  
  }  
}
```

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```
    ),  
    ),  
  );  
}  
}
```

g. model.dart



model.dart

```
class ModelMakanan {  
  String? id;  
  String? nama;  
  String? harga;  
  String? link;  
  String? deskripsi;  
  String? category;  
  
  ModelMakanan({  
    this.id,  
    this.nama,  
    this.harga,  
    this.link,  
    this.deskripsi,  
    this.category,  
  });  
  
  factory ModelMakanan.fromJson(Map<String, dynamic> json) {  
    return ModelMakanan(  
      id: json['id'],  
      nama: json['nama'],  
      harga: json['harga'],  
      link: json['link'],  
      deskripsi: json['deskripsi'],  
      category: json['category'],  
    );  
  }  
}  
  
class Transaction {  
  final int quantity;  
  final int totalPrice;  
  final int costmerMoney;  
  final int changeAmount;  
  
  Transaction({  
    required this.quantity,  
    required this.totalPrice,  
    required this.costmerMoney,  
    required this.changeAmount,  
  });  
}
```

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h. response.dart



response.dart

```
import 'package:untitled/model.dart';
import 'dart:convert';

class ResponseMakanan {
  List<ModelMakanan> listMakanan = [];

  ResponseMakanan.fromJson(String jsonString) {
    List<dynamic> jsonList = json.decode(jsonString);
    listMakanan = jsonList.map((item) =>
ModelMakanan.fromJson(item)).toList();
  }

  List<ModelMakanan> get makananList => listMakanan;
}
```

i. service.dart

```
import 'dart:convert';

import 'package:dio/dio.dart';
import 'package:flutter/material.dart';
import 'package:untitled/model.dart';
import 'package:untitled/response.dart';

final dio = Dio();

class ApiService {
  Future<ResponseMakanan> getapi() async {
    try {
      final response = await
dio.get('http://192.168.1.6/makananmobile/data.php');
      print('API Response: $response');
      final data = ResponseMakanan.fromJson(response.data);
      print('Converted Data: $data');
      if (response.statusCode == 200) {
        // debugPrint('GET Product : ${response.data}');
        return ResponseMakanan.fromJson(response.data);
      } else {
        debugPrint('Failed to load data. Status code:
${response.statusCode}');
        throw Exception('Failed to load data. Status code:
${response.statusCode}');
      }
    } catch (e) {
      debugPrint('Error during API request: $e');
      throw Exception('Failed to load data: $e');
    }
  }

  Future<Response> tambahDataMakanan({
    required String nama,
    required String harga,
```

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```
        required String link,  
        required String deskripsi,  
        required String category,  
    }) async {  
        try {  
            final response = await dio.post(  
Uri.parse('http://192.168.1.6/makananmobile/create.php').toString(),  
                data: {  
                    'nama': nama,  
                    'harga': harga,  
                    'link': link,  
                    'deskripsi': deskripsi,  
                    'category': category,  
                },  
            );  
  
            return response;  
        } catch (e) {  
            print('Error during API request: ${e.toString()}');  
            throw Exception('Gagal menambahkan data: ${e.toString()}');  
        }  
    }  
}  
  
Future<void> updateDataMakanan({  
    required String id,  
    required String nama,  
    required String harga,  
    required String link,  
    required String deskripsi,  
    required String category,  
}) async {  
    try {  
        final response = await dio.post(  
            'http://192.168.1.6/makananmobile/update.php',  
            data: {  
                'id': id,  
                'nama': nama,  
                'harga': harga,  
                'link': link,  
                'deskripsi': deskripsi,  
                'category': category,  
            },  
        );  
  
        debugPrint('Respons dari server: ${response.data}');  
  
        if (response.statusCode == 200) {  
            debugPrint('Data berhasil diupdate: ${response.data}');  
  
            // Cek apakah status success  
            if (response.data['status'] == 'success') {  
                return; // Data berhasil diupdate  
            } else {  
                throw Exception('Gagal mengupdate data:  
${response.data['message']}');  
            }  
        } else {  
            throw Exception('Gagal mengupdate data. Status code:  
${response.statusCode}');
```

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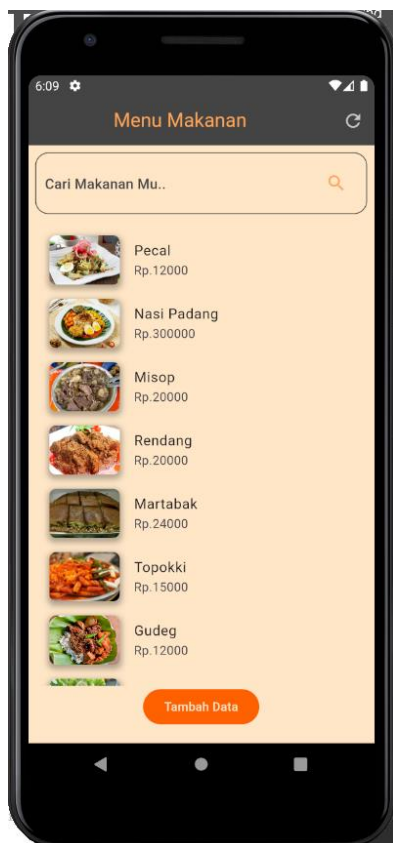
```
    }  
  } catch (e) {  
    debugPrint('Error during API request: $e');  
    throw Exception('Gagal mengupdate data: $e');  
  }  
}  
  
Future<void> hapusDataMakanan(String id) async {  
  try {  
    final response = await dio.post(  
Uri.parse('http://192.168.1.6/makananmobile/delete.php').toString(),  
      data: {'id': id},  
    );  
  
    if (response.statusCode == 200) {  
      // Data berhasil dihapus  
      debugPrint('Data berhasil dihapus: ${response.data}');  
    } else {  
      // Permintaan tidak berhasil  
      debugPrint('Gagal menghapus data. Status code:  
${response.statusCode}');  
      throw Exception('Gagal menghapus data. Status code:  
${response.statusCode}');  
    }  
  } catch (e) {  
    debugPrint('Error during API request: $e');  
    throw Exception('Gagal menghapus data: $e');  
  }  
}  
  
Future<void> tambahTransaksi({required Transaction transaction}) async {  
  try {  
    final response = await dio.post(  
Uri.parse('http://192.168.1.6/makananmobile/transaksi.php').toString(),  
      data: {  
        'qty': transaction.quantity.toString(),  
        'harga_total': transaction.totalPrice.toString(),  
        'uangPembeli': transaction.costmerMoney.toString(),  
        'kembalian': transaction.changeAmount.toString(),  
      },  
    );  
  
    // Cek apakah request sukses atau tidak  
    if (response.statusCode == 200) {  
      print('Transaksi berhasil ditambahkan.');    } else {  
      print('Gagal menambahkan transaksi. Status code:  
${response.statusCode}');  
      throw Exception('Gagal menambahkan transaksi. Status code:  
${response.statusCode}');  
    }  
  } catch (e) {  
    print('Error during API request: $e');  
    throw Exception('Gagal menambahkan transaksi: $e');  
  }  
}
```


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```
}  
  
Future<List<ModelMakanan>> searchMakanan(String query) async {  
  try {  
    final response = await dio.post(  
      'http://192.168.1.6/makananmobile/search.php',  
      data: {'query': query},  
    );  
  
    if (response.statusCode == 200) {  
      List<dynamic> jsonList = response.data['data'] ?? [];  
      return jsonList.map((item) =>  
ModelMakanan.fromJson(item)).toList();  
    } else {  
      print('Gagal menghubungi server. Status Code:  
${response.statusCode}');  
      throw Exception('Gagal menghubungi server. Status Code:  
${response.statusCode}');  
    }  
  } catch (e) {  
    print('Error saat permintaan API: $e');  
    throw Exception('Gagal melakukan pencarian: $e');  
  }  
}
```

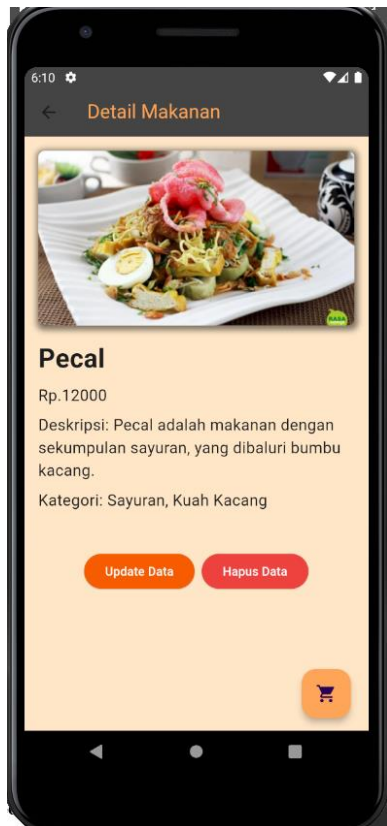
3. Ouput dari aplikasi

a. Menu Utama

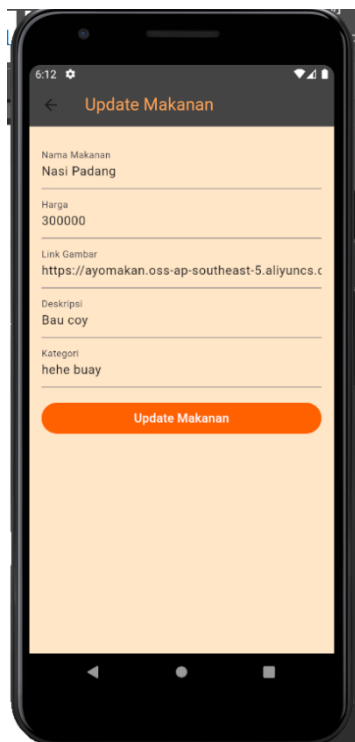


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b. Detail Makanan

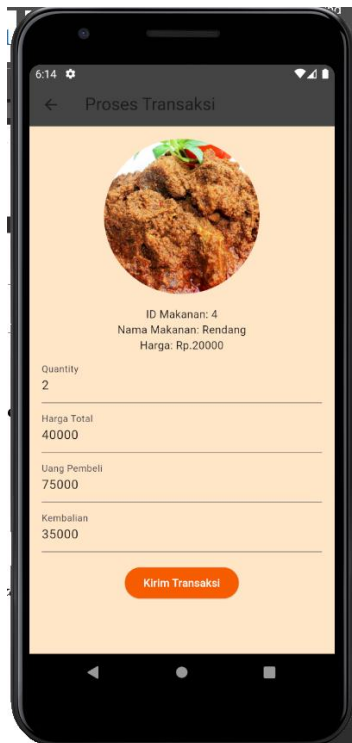


c. Update Data

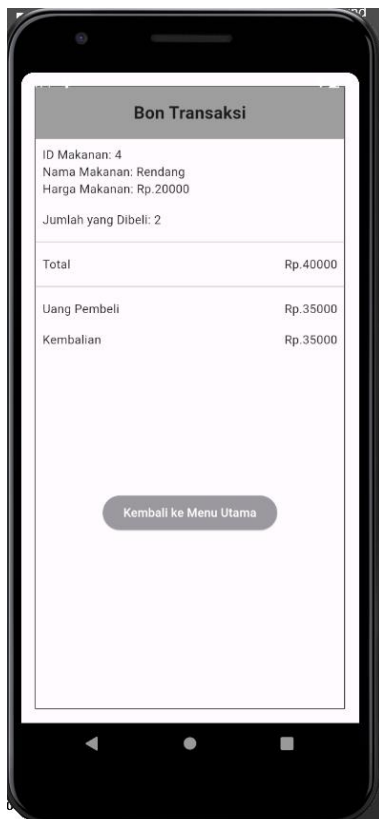


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d. Transaksi



e. Laporan Transaksi



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f. Pencarian



4. Link channel Youtube berisi penjelasan dan penggunaan aplikasi (durasi video maksimal 15 menit)

Link : <https://youtu.be/wcUNDfMVeRg>

Catatan:

- *Mohon masing-masing peserta ujian mengikuti template ini.*
- *Jika anda tidak mengikuti format template ini, maka akan menyulitkan proses penilaian dan akan mengurangi penilaian anda.*