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## Hasil Tugas Pertemuan 3 dan 4

Recipe by Fikry 19230392

localhost:52408

Foodie Recipes by Fikry 19230392




**Nasi Goreng Fikry**

Makanan Berat 15 menit

**Bahan-bahan:**  
Nasi, Telur, Ayam, Kecap Manis

**Langkah-langkah:**  
1. Panaskan minyak  
2. Masukkan telur  
3. Tambahkan nasi dan bumbu



**Mie Goreng Fikry**

Makanan Berat 10 menit

mockapio/projects/68db5d0e23ebc87faa32bcf7

```
[
  {
    "id": "1",
    "title": "Nasi Goreng Fikry",
    "ingredients": "Nasi, Telur, Ayam, Kecap Manis",
    "steps": "1. Panaskan minyak\n2. Masukkan telur\n3. Tambahkan nasi dan bumbu",
    "category": "Makanan Berat",
    "cookingTime": "15 menit",
    "imageUrl": "https://encrypted-tbn0.gstatic.com/images?q=tbn:AND96cT1rfkDLS8Fj79z5BjowoLNKPG2JFhDPQiRuw&s"
  },
  {
    "id": "2",
    "title": "Mie Goreng Fikry",
    "ingredients": "Mie, Telur, Ayam, Kecap Manis",
    "steps": "1. Panaskan minyak\n2. Masukkan telur\n3. Tambahkan mie dan bumbu",
    "category": "Makanan Berat",
    "cookingTime": "10 menit",
    "imageUrl": "https://encrypted-tbn0.gstatic.com/images?q=tbn:AND96cSSMdtmf8vLKAsDvnM1UuuczTizLbQJs6XWdQ&s"
  },
  {
    "id": "3",
    "title": "Siomay Bandung Fikry",
    "ingredients": "Ikan, Tepung, Daun Bawang, Bumbu Kacang,"
  }
]
```

Close Update

```

lib > services > recipe_service.dart > ...
1 import 'dart:convert';
2 import 'package:http/http.dart' as http;
3 import 'package:foodie_app/model/recipe.dart';
4
5 class RecipeService {
6   int get statusCode
7     static const StatusType int
8     'https://68db5d9e23ebc87faa32bcf6.mockapi.io/recipes/recipe'
9     package:http/src/base_response.dart
10   static Future<List<Recipe>> fetchRecipes() async {
11     final response = await http.get(Uri.parse(baseUrl));
12     if (response.statusCode == 200) {
13       List jsonResponse = json.decode(response.body);
14       return jsonResponse.map((data) => Recipe.fromJson(data));
15     } else {
16       throw Exception("Failed to load recipes");
17     }
18   }
19 }

lib > provider > recipe_provider.dart > ...
1 import 'dart:convert';
2 import 'package:flutter/foundation.dart';
3 import 'package:http/http.dart' as http;
4 import '../model/recipe.dart';
5
6 class RecipeProvider with ChangeNotifier {
7   List<Recipe> _recipes = [];
8   List<Recipe> get recipes => _recipes;
9
10   final String apiUrl =
11     'https://68db5d9e23ebc87faa32bcf6.mockapi.io/recipes/recipe';
12
13   Future<void> fetchRecipes() async {
14     try {
15       final response = await http.get(Uri.parse(apiUrl));
16       if (response.statusCode == 200) {
17         final List data = json.decode(response.body);
18         _recipes = data.map((json) => Recipe.fromJson(json));
19         notifyListeners();
20       }
21     } catch (e) {
22       if (kDebugMode) {
23         print("Error fetching recipes: $e");
24       }
25     }
26   }
27
28   Future<void> addRecipe(String title, String category) async {
29     try {
30       final response = await http.post(
31         Uri.parse(apiUrl),
32         headers: {"Content-Type": "application/json"},
33         body: json.encode({"title": title, "category": category});
34     } catch (e) {
35       if (kDebugMode) {
36         print("Error adding recipe: $e");
37       }
38     }
39   }
40 }
  
```

```

lib > model > recipe.dart > ...
1 class Recipe {
2   final String id;
3   final String title;
4   final String ingredients;
5   final String steps;
6   final String category;
7   final String cookingTime;
8   final String imageUrl;
9
10  Recipe({
11    required this.id,
12    required this.title,
13    required this.ingredients,
14    required this.steps,
15    required this.category,
16    required this.cookingTime,
17    required this.imageUrl});
18
19  factory Recipe.fromJson(Map<String, dynamic> json) {
20    return Recipe(
21      id: json['id'].toString(),
22      title: json['title'],
23      ingredients: json['ingredients'],
24      steps: json['steps'],
25      category: json['category'],
26      cookingTime: json['cookingTime'],
27      imageUrl: json['imageUrl'],
28    );
29  }
30
31  Map<String, dynamic> toJson() {
32    return {
33      "id": id,
34      "title": title,
35      "ingredients": ingredients,
36      "steps": steps,
37      "category": category,
38      "cookingTime": cookingTime,
39      "imageUrl": imageUrl,
40    };
41  }
42 }

lib > pages > home_page.dart > ...
1 import 'package:flutter/material.dart';
2 import 'package:foodie_app/model/recipe.dart';
3 import 'package:foodie_app/services/recipe_service.dart';
4
5 class HomePage extends StatefulWidget {
6   const HomePage({super.key});
7
8   @override
9   State<HomePage> createState() => _HomePageState();
10 }
11
12 class _HomePageState extends State<HomePage> {
13   late Future<List<Recipe>> futureRecipes;
14
15   @override
16   void initState() {
17     super.initState();
18     futureRecipes = RecipeService.fetchRecipes();
19   }
20
21   @override
22   Widget build(BuildContext context) {
23     return Scaffold(
24       appBar: AppBar(title: const Text("Foodie Recipes")),
25       body: FutureBuilder<List<Recipe>>{
26         future: futureRecipes,
27         builder: (context, snapshot) {
28           if (snapshot.hasData) {
29             return ListView.builder(
30               itemCount: snapshot.data!.length,
31               itemBuilder: (context, index) {
32                 var recipe = snapshot.data![index];
33                 return Card(
34                   child: ListTile(
35                     title: recipe.title,
36                     subtitle: recipe.ingredients,
37                     leading: Image.network(recipe.imageUrl),
38                   ),
39                 );
40               },
41             );
42           } else {
43             return const Center(
44               child: CircularProgressIndicator(),
45             );
46           }
47         },
48       ),
49     );
50   }
51 }

```

