

Tugas 6-2

Nama : Feri Kusuma Wardhana

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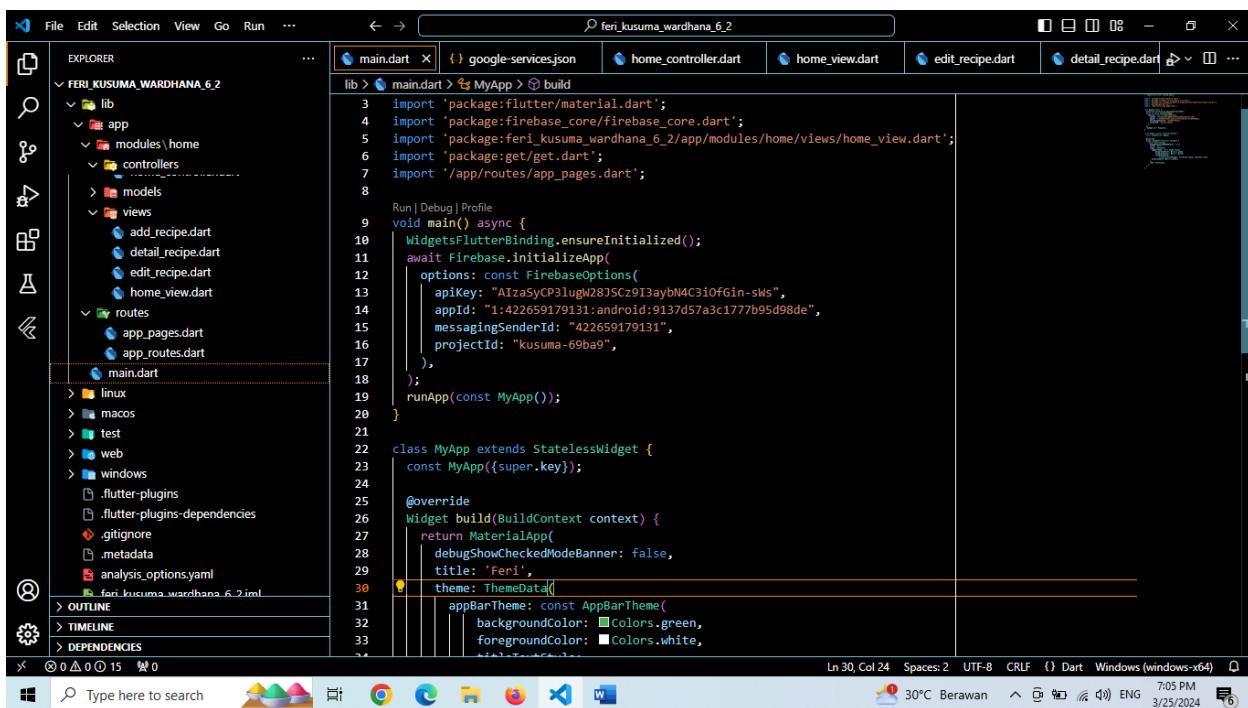
Grup : 1B

Saya telah mempersiapkan dengan kode ini ke git hub akan tetapi untuk folder build saya hapus karena file yang besar, berikut adalah linknya

Github untuk kode ini : <https://github.com/ferikw/Tugas-6-2-Feri-Kusuma-Wardhana.git>

Saya telah melakukan screenshot dari kode dan hasil tampilan dari kode yang telah saya buat , Saya telah membuat kode sesuai tugas yang ada di 6-2 , kodenya adalah sebagai berikut , saya juga sudah menghubungkan ke firebase dan menambahkan google font didalam kodenya , saya menggunakan google font poppins , berikut adalah keseluruhan kodenya

1. Kode pada main.dart



```
lib > main.dart > MyApp build
3 import 'package:flutter/material.dart';
4 import 'package:firebase_core/firebase_core.dart';
5 import 'package:feri_kusuma_wardhana_6_2/app/modules/home/views/home_view.dart';
6 import 'package:get/get.dart';
7 import '/app/routes/app_pages.dart';
8
9 Run | Debug | Profile
10 void main() async {
11   WidgetsFlutterBinding.ensureInitialized();
12   await Firebase.initializeApp(
13     options: const FirebaseOptions(
14       apiKey: "AIzaSyCP3lugW28JSCz913aybM4C3iOfGin-sWs",
15       appId: "1:422659179131:android:9137d57a3c1777b95d98de",
16       messagingSenderId: "422659179131",
17       projectId: "kusuma-69ba9",
18     ),
19   );
20   runApp(const MyApp());
21
22 class MyApp extends StatelessWidget {
23   const MyApp({super.key});
24
25   @override
26   Widget build(BuildContext context) {
27     return MaterialApp(
28       debugShowCheckedModeBanner: false,
29       title: 'Feri',
30       theme: ThemeData(
31         appBarTheme: const AppBarTheme(
32           backgroundColor: Colors.green,
33           foregroundColor: Colors.white,
34         )
35       )
36     );
37   }
38 }
39 
```

```

lib > main.dart > MyApp > build
9 void main() async {
13   apiKey: "AIzaSyCP3lugW28JSCz9I3aybN4C3lOfGin-sWs",
14   appId: "1:422659179131:android:9137d57a3c1777b95d98de",
15   messagingSenderId: "422659179131",
16   projectId: "kusuma-69ba9",
17 },
18 );
19 runApp(const MyApp());
20 }
21
22 class MyApp extends StatelessWidget {
23   const MyApp({super.key});
24
25   @override
26   Widget build(BuildContext context) {
27     return MaterialApp(
28       debugShowCheckedModeBanner: false,
29       title: 'Feri',
30       theme: ThemeData(
31         appBarTheme: const AppBarTheme(
32           backgroundColor: Colors.green,
33           foregroundColor: Colors.white,
34           titleTextStyle:
35             TextStyle(fontWeight: FontWeight.bold, fontSize: 20), // AppBarTheme
36         ),
37         primarySwatch: Colors.green,
38       ), // ThemeData
39       home: HomeView(),
40     ); // MaterialApp
41 }
42

```

2. Berikut adalah kode dari google-service.json

```

android > app > google-services.json > [ ] client > {} 0 > {} client_info
1 {
2   "project_info": {
3     "project_number": "422659179131",
4     "project_id": "kusuma-69ba9",
5     "storage_bucket": "kusuma-69ba9.appspot.com"
6   },
7   "client": [
8     {
9       "client_info": [
10         {
11           "mobilesdk_app_id": "1:422659179131:android:9137d57a3c1777b95d98de",
12           "android_client_info": {
13             "package_name": "com.example.feri_kusuma_wardhana_6_2"
14           }
15         }
16       ],
17       "oauth_client": [],
18       "api_key": [
19         {
20           "current_key": "AIzaSyCP3lugW28JSCz9I3aybN4C3lOfGin-sWs"
21         }
22       ],
23       "services": [
24         "appinvite_service": {
25           "other_platform_oauth_client": []
26         }
27       ]
28     },
29   ],
30   "configuration_version": "1"

```

3. Berikut adalah kode dari home controller

```
lib > app > modules > home > controllers > home_controller.dart > ...  
1 import 'package:cloud_firestore/cloud_firestore.dart';  
2  
3 class HomeController {  
4   final CollectionReference _recipeCollection =  
5     | FirebaseFirestore.instance.collection('recipes');  
6  
7   Stream<QuerySnapshot> getRecipes() {  
8     | return _recipeCollection.snapshots();  
9   }  
10  
11   Future<void> addRecipe(Map<String, dynamic> recipeData) {  
12     | return _recipeCollection.add(recipeData);  
13   }  
14  
15   Future<void> updateRecipe(String recipeId, Map<String, dynamic> newData) {  
16     | return _recipeCollection.doc(recipeId).update(newData);  
17   }  
18  
19   Future<void> deleteRecipe(String recipeId) {  
20     | return _recipeCollection.doc(recipeId).delete();  
21   }  
22 }  
23
```

4. Berikut adalah kode dari home view

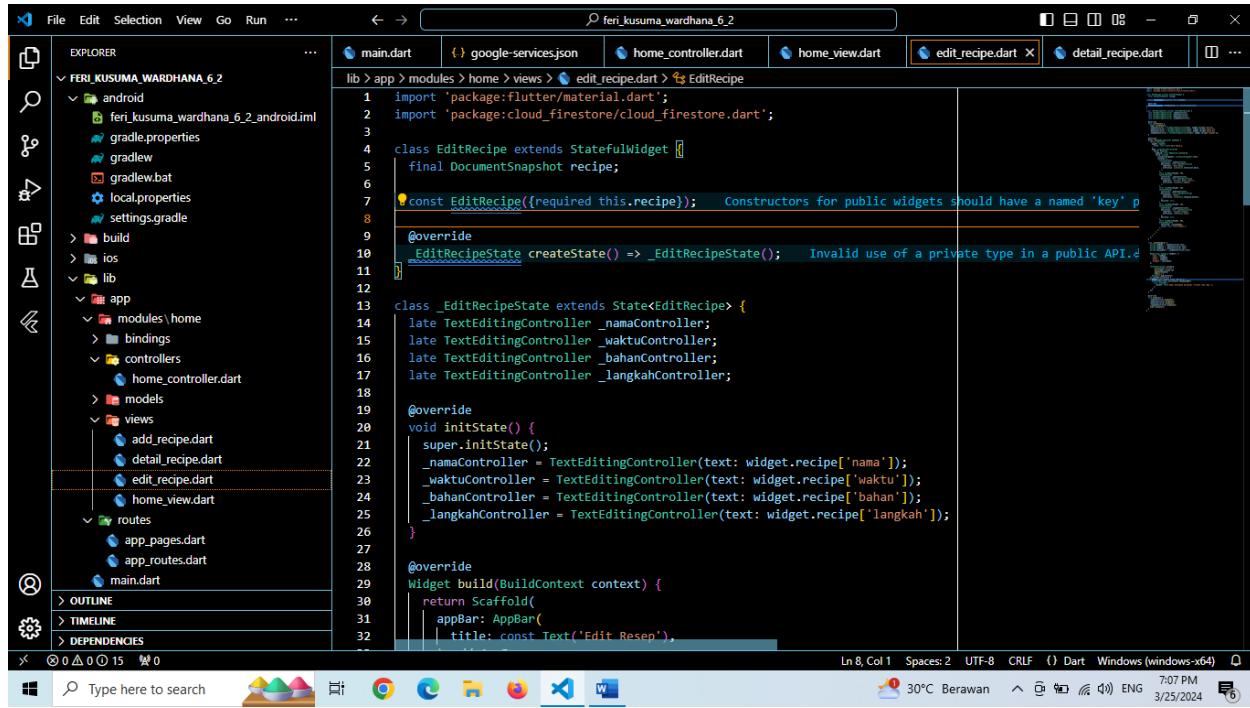
The screenshot shows a Dart code editor with the file `feri_kusuma_wardhana_6_2/lib/app/modules/home/views/home_view.dart` open. The code implements the `HomeView` class as a `StatelessWidget`. It uses a `ListView.builder` to build a list of cards, where each card contains a `ListTile` with a title and subtitle. Tapping on a card navigates to a `DetailRecipe` page. A `FloatingActionButton` is also present at the bottom of the screen.

```
lib > app > modules > home > views > HomeView.dart > HomeView > build
11   class HomeView extends StatelessWidget {
12     Widget build(BuildContext context) {
13       return ListView.builder(
14         itemCount: snapshot.data!.docs.length,
15         itemBuilder: (context, index) {
16           DocumentSnapshot<Object>? recipe = snapshot.data!.docs[index];
17           return Card(
18             child: ListTile(
19               title: Text(
20                 recipe['nama'],
21                 style: GoogleFonts.poppins(),
22               ),
23               subtitle: Text(
24                 'Estimasi Waktu: ${recipe['waktu']} menit',
25                 style: GoogleFonts.poppins(),
26               ),
27               onTap: () {
28                 Navigator.push(
29                   context,
30                   MaterialPageRoute(
31                     builder: (context) => DetailRecipe(recipe: recipe),
32                   ),
33                 );
34               },
35             ),
36           );
37         },
38       );
39     }
40   }
41   }
42   }
43   }
44   }
45   }
46   }
47   }
48   }
49   }
50   }
51   }
52   }
53   }
54   }
55   }
56   }
57   }
58   }
59   }
60   }
61   }
62   }
63   }
64   );
65   );
66   );
67   );
68   );
69   );
70   );
71   );
72   );
73   );
74   );
75   );
76   );
77   );
78   );
```

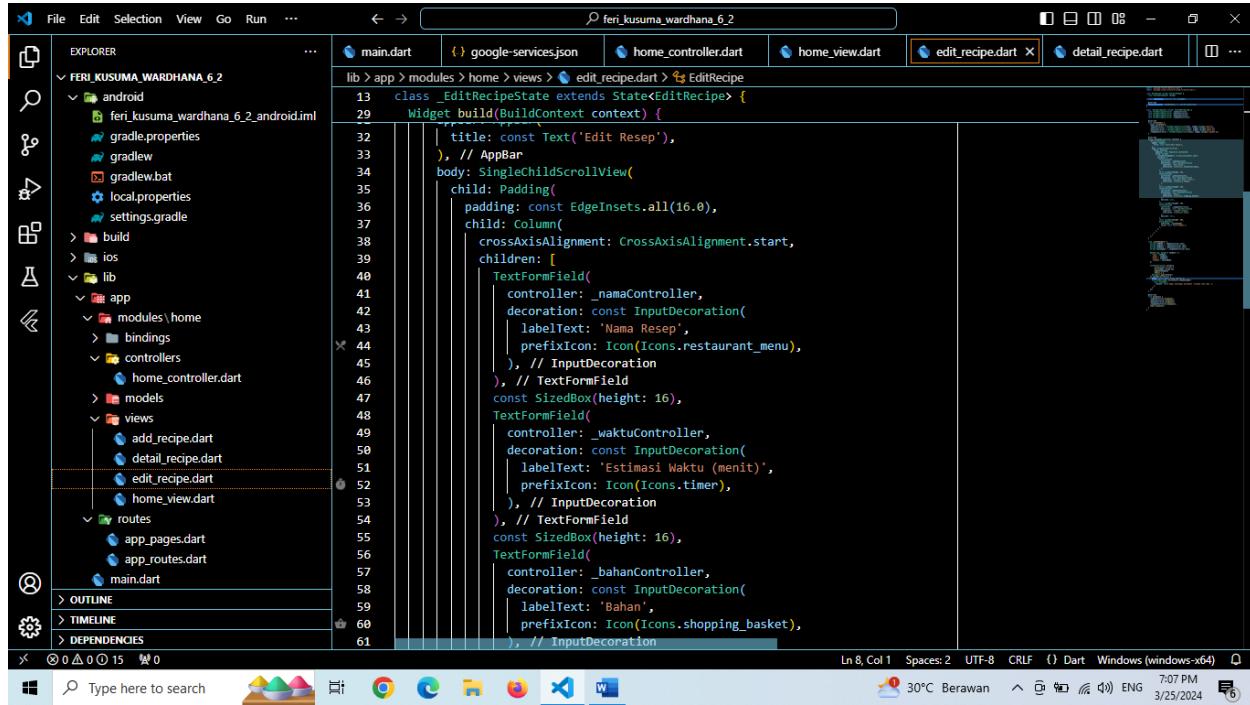
The screenshot shows the same Dart code editor as the first one, but with a warning message appearing in the code area. The message is: "The 'child' argument should be last in widget constructor invocations." This warning is triggered by the `FloatingActionButton` line at the bottom of the code, where the `child` parameter is specified before the `onPressed` parameter.

```
lib > app > modules > home > views > HomeView.dart > HomeView > build
11   class HomeView extends StatelessWidget {
12     Widget build(BuildContext context) {
13       Navigator.push(
14         context,
15         MaterialPageRoute(
16           builder: (context) => DetailRecipe(recipe: recipe),
17         ),
18       );
19       );
20     );
21     );
22     );
23     );
24     );
25     );
26     );
27     );
28     );
29     );
30     );
31     );
32     );
33     );
34     );
35     );
36     );
37     );
38     );
39     );
40     );
41     );
42     );
43     );
44     );
45     );
46     );
47     );
48     );
49     );
50     );
51     );
52     );
53     );
54     );
55     );
56     );
57     );
58     );
59     );
60     );
61     );
62     );
63     );
64     );
65     );
66     );
67     );
68     );
69     );
70     );
71     );
72     );
73     );
74     );
75     );
76     );
77     );
78     );
```

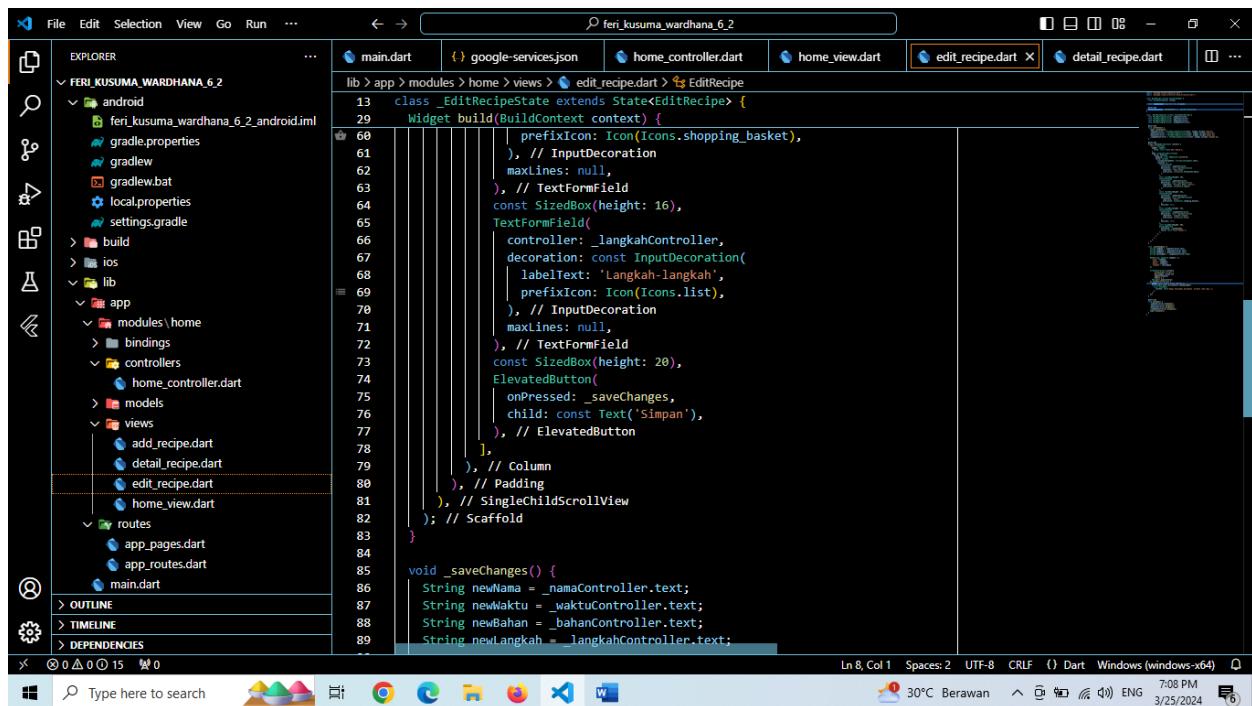
5. Berikut adalah kode dari edit_recipe.dart



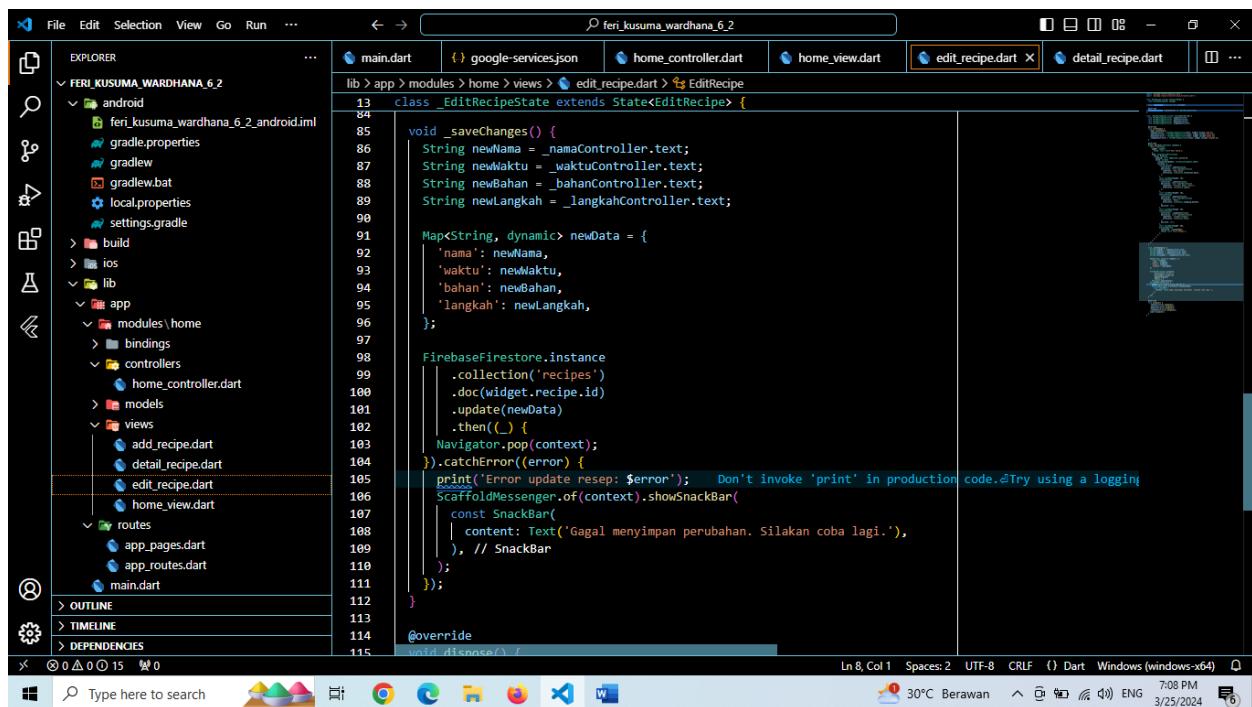
```
lib > app > modules > home > views > edit_recipe.dart > EditRecipe
1 import 'package:flutter/material.dart';
2 import 'package:cloud_firestore/cloud_firestore.dart';
3
4 class EditRecipe extends StatefulWidget {
5   final DocumentSnapshot recipe;
6
7   const EditRecipe({required this.recipe}); Constructors for public widgets should have a named 'key' parameter.
8
9   @override
10   _EditRecipeState createState() => _EditRecipeState(); Invalid use of a private type in a public API.
11 }
12
13 class _EditRecipeState extends State<EditRecipe> {
14   late TextEditingController _namaController;
15   late TextEditingController _waktuController;
16   late TextEditingController _bahanController;
17   late TextEditingController _langkahController;
18
19   @override
20   void initState() {
21     super.initState();
22     _namaController = TextEditingController(text: widget.recipe['nama']);
23     _waktuController = TextEditingController(text: widget.recipe['waktu']);
24     _bahanController = TextEditingController(text: widget.recipe['bahan']);
25     _langkahController = TextEditingController(text: widget.recipe['langkah']);
26   }
27
28   @override
29   Widget build(BuildContext context) {
30     return Scaffold(
31       appBar: AppBar(
32         title: const Text('Edit Resep'),
33       ), // AppBar
34       body: SingleChildScrollView(
35         child: Padding(
36           padding: const EdgeInsets.all(16.0),
37           child: Column(
38             crossAxisAlignment: CrossAxisAlignment.start,
39             children: [
40               TextFormField(
41                 controller: _namaController,
42                 decoration: const InputDecoration(
43                   labelText: 'Nama Resep',
44                   prefixIcon: Icon(Icons.restaurant_menu),
45                 ), // InputDecoration
46                 const SizedBox(height: 16),
47               TextFormField(
48                 controller: _waktuController,
49                 decoration: const InputDecoration(
50                   labelText: 'Estimasi Waktu (menit)',
51                   prefixIcon: Icon(Icons.timer),
52                 ), // InputDecoration
53                 const SizedBox(height: 16),
54               TextFormField(
55                 controller: _bahanController,
56                 decoration: const InputDecoration(
57                   labelText: 'Bahan',
58                   prefixIcon: Icon(Icons.shopping_basket),
59                 ), // InputDecoration
60               ),
61             ],
62           ),
63         ),
64       ),
65     );
66   }
67 }
```



```
lib > app > modules > home > views > edit_recipe.dart > EditRecipe
13 class _EditRecipeState extends State<EditRecipe> {
14   Widget build(BuildContext context) {
15     return Scaffold(
16       appBar: AppBar(
17         title: const Text('Edit Resep'),
18       ), // AppBar
19       body: SingleChildScrollView(
20         child: Padding(
21           padding: const EdgeInsets.all(16.0),
22           child: Column(
23             crossAxisAlignment: CrossAxisAlignment.start,
24             children: [
25               TextFormField(
26                 controller: _namaController,
27                 decoration: const InputDecoration(
28                   labelText: 'Nama Resep',
29                   prefixIcon: Icon(Icons.restaurant_menu),
30                 ), // InputDecoration
31                 const SizedBox(height: 16),
32               TextFormField(
33                 controller: _waktuController,
34                 decoration: const InputDecoration(
35                   labelText: 'Estimasi Waktu (menit)',
36                   prefixIcon: Icon(Icons.timer),
37                 ), // InputDecoration
38                 const SizedBox(height: 16),
39               TextFormField(
40                 controller: _bahanController,
41                 decoration: const InputDecoration(
42                   labelText: 'Bahan',
43                   prefixIcon: Icon(Icons.shopping_basket),
44                 ), // InputDecoration
45               ),
46             ],
47           ),
48         ),
49       ),
50     );
51   }
52 }
```



```
lib > app > modules > home > views > edit_recipe.dart > EditRecipe
13 class _EditRecipeState extends State<EditRecipe> {
29   Widget build(BuildContext context) {
30     ...
31     |   prefixIcon: Icon(Icons.shopping_basket),
32     |   // InputDecoration
33     |   maxLines: null,
34     |   ), // TextFormField
35     |   const SizedBox(height: 16),
36     |   TextFormField(
37     |     controller: _langkahController,
38     |     decoration: const InputDecoration(
39     |       labelText: 'Langkah-langkah',
40     |       prefixIcon: Icon(Icons.list),
41     |       // InputDecoration
42     |       maxLines: null,
43     |       ), // TextFormField
44     |       const SizedBox(height: 20),
45     |       ElevatedButton(
46     |         onPressed: _saveChanges,
47     |         child: const Text('Simpan'),
48     |       ), // ElevatedButton
49     |     ],
50     |   ), // Column
51     |   // Padding
52   ), // SingleChildScrollView
53 }, // Scaffold
54
55 void _saveChanges() {
56   String newNama = _namaController.text;
57   String newWaktu = _waktuController.text;
58   String newBahan = _bahanController.text;
59   String newLangkah = _langkahController.text;
60 }
```



```
lib > app > modules > home > views > edit_recipe.dart > EditRecipe
13 class _EditRecipeState extends State<EditRecipe> {
84
85   void _saveChanges() {
86     String newNama = _namaController.text;
87     String newWaktu = _waktuController.text;
88     String newBahan = _bahanController.text;
89     String newLangkah = _langkahController.text;
90
91     Map<String, dynamic> newData = {
92       'nama': newNama,
93       'waktu': newWaktu,
94       'bahan': newBahan,
95       'langkah': newLangkah,
96     };
97
98     FirebaseFirestore.instance
99       .collection('recipes')
100      .doc(widget.recipe.id)
101      .update(newData)
102      .then((_) {
103        Navigator.pop(context);
104      }).catchError((error) {
105        print('Error update resep: $error'); // Don't invoke 'print' in production code. Try using a logging
106        ScaffoldMessenger.of(context).showSnackBar(
107          const SnackBar(
108            content: Text('Gagal menyimpan perubahan. Silakan coba lagi.'),
109          ),
110        );
111      });
112    }
113
114  @override
115  void dispose() {
```

The screenshot shows the VS Code interface with the file 'edit_recipe.dart' open. The code is a stateful widget named '_EditRecipeState' that extends 'State<EditRecipe>'. It contains logic for saving changes to a Firestore database collection 'recipes' under the document with the id 'widget.recipe.id'. If successful, it navigates back to the previous screen. If there's an error, it shows aSnackBar with an error message. The code also overrides the dispose method to dispose of its controllers. The code editor has syntax highlighting for Dart and Flutter code.

```
lib > app > modules > home > views > edit_recipe.dart > EditRecipe
13 class _EditRecipeState extends State<EditRecipe> {
85 void _saveChanges() {
95 |   Langkah : newLangkah,
96 |
97 |   FirebaseFirestore.instance
98 |     .collection('recipes')
99 |     .doc(widget.recipe.id)
100 |     .update(newData)
101 |     .then((_) {
102 |       Navigator.pop(context);
103 |     }).catchError((error) {
104 |       print('Error update resep: $error'); Don't invoke 'print' in production code. Try using a logging
105 |       ScaffoldMessenger.of(context).showSnackBar(
106 |         const SnackBar(
107 |           content: Text('Gagal menyimpan perubahan. Silakan coba lagi.'),
108 |         ), // SnackBar
109 |       );
110 |     });
111 |
112 |   @override
113 |   void dispose() {
114 |     namaController.dispose();
115 |     waktuController.dispose();
116 |     bahanController.dispose();
117 |     langkahController.dispose();
118 |     super.dispose();
119 |   }
120 |
121 | }
```

6. Berikut adalah kode dari halaman detail_recipe.dart

The screenshot shows the VS Code interface with the file 'detail_recipe.dart' open. The code defines a StatelessWidget named 'DetailRecipe' that takes a key and a required 'this.recipe' parameter. It uses a Scaffold with an AppBar containing a title ('Text(recipe['nama'])) and actions. The actions include two IconButton: one for deleting the recipe (Icon(Icons.delete)) and another for navigating to an edit screen (Icon(Icons.edit)). The code editor has syntax highlighting for Dart and Flutter code.

```
lib > app > modules > home > views > detail_recipe.dart > DetailRecipe > detail_recipe.dart
1 import 'package:flutter/material.dart';
2 import 'package:cloud_firestore/cloud_firestore.dart';
3 import 'package:feri_kusuma_wardhana_6_2/app/modules/home/views/edit_recipe.dart';
4
5 class DetailRecipe extends StatelessWidget {
6   final DocumentSnapshot recipe;
7
8   const DetailRecipe({Key? key, required this.recipe}); Constructors for public widgets should have a n
9
10  @override
11  Widget build(BuildContext context) {
12    return Scaffold(
13      appBar: AppBar(
14        title: Text(recipe['nama']),
15        actions: [
16          IconButton(
17            onPressed: () => _deleteRecipe(context),
18            icon: const Icon(Icons.delete),
19          ), // IconButton
20          IconButton(
21            onPressed: () {
22              Navigator.push(
23                context,
24                MaterialPageRoute(
25                  builder: (context) => EditRecipe(
26                    recipe: recipe,
27                  ), // EditRecipe
28                ), // MaterialPageRoute
29              );
30            },
31            icon: const Icon(Icons.edit),
32          ), // IconButton
33        ],
34      ),
35    );
36  }
37}
```

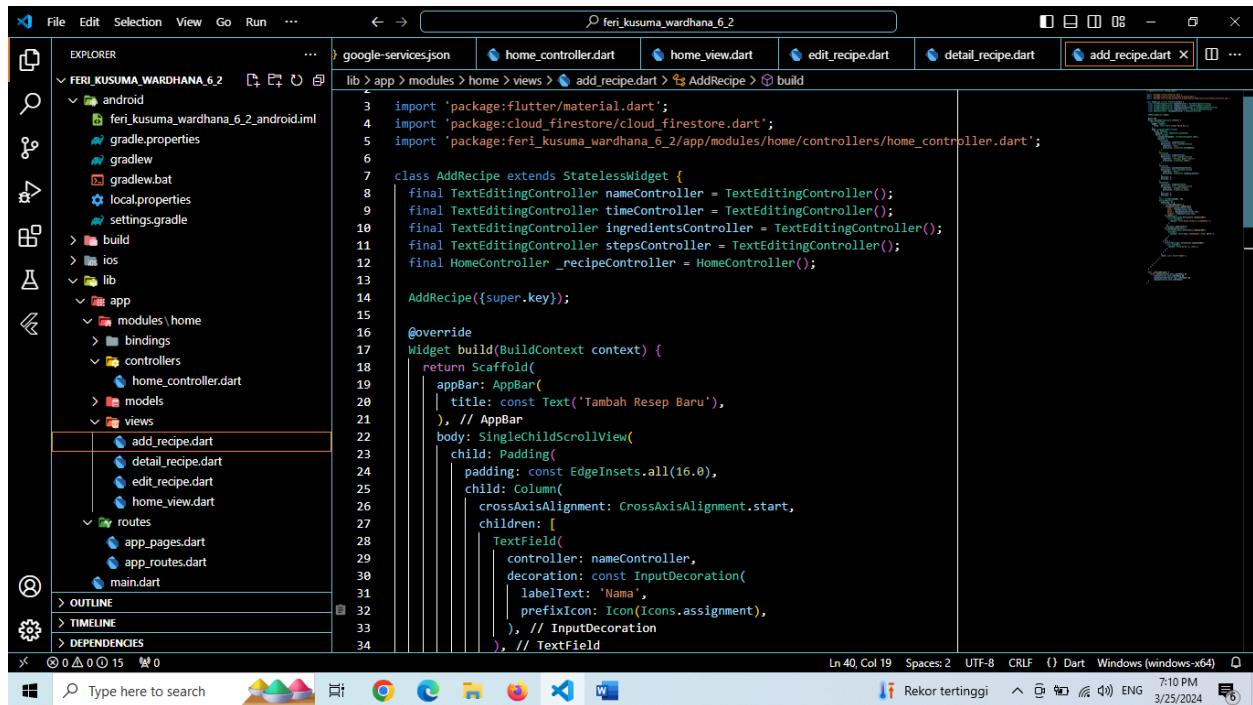
```
lib > app > modules > home > views > detail_recipe.dart > DetailRecipe > build
5   class DetailRecipe extends StatelessWidget {
11     Widget build(BuildContext context) {
32       |   ),
33       |   ],
34     ),
35     body: SingleChildScrollView(
36       child: Padding(
37         padding: const EdgeInsets.all(16.0),
38         child: Column(
39           crossAxisAlignment: CrossAxisAlignment.start,
40           children: [
41             Text(
42               'Estimasi Waktu: ${recipe['waktu']} menit',
43               style: const TextStyle(fontWeight: FontWeight.bold),
44               ],
45               const SizedBox(height: 16),
46               const Text(
47                 'Bahan',
48                 style: TextStyle(
49                   fontWeight: FontWeight.bold,
50                   fontSize: 18,
51                 ),
52               ),
53               const SizedBox(height: 8),
54               Container(
55                 padding: const EdgeInsets.all(8),
56                 decoration: BoxDecoration(
57                   border: Border.all(
58                     color: Colors.grey,
59                   ),
60                 ),
61               ),
62             ),
63             Text(
64               recipe['baham'],
65               style: const TextStyle(fontSize: 16),
66             ),
67           ),
68           const SizedBox(height: 16),
69           const Text(
70             'Langkah-langkah',
71             style: TextStyle(
72               fontWeight: FontWeight.bold,
73               fontSize: 18,
74             ),
75           ),
76           const SizedBox(height: 8),
77           Container(
78             padding: const EdgeInsets.all(8),
79             decoration: BoxDecoration(
80               border: Border.all(
81                 color: Colors.grey,
82               ),
83             ),
84             child: Text(
85               recipe['langkah'],
86               style: const TextStyle(fontSize: 16),
87             ),
88           ),
89           ],
90         ),
91       ),
92     ),
93   ),
94 }
```

```
lib > app > modules > home > views > detail_recipe.dart > DetailRecipe > build
5   class DetailRecipe extends StatelessWidget {
11     Widget build(BuildContext context) {
62       |
63       |
64       |
65       |
66       |
67       |
68       |
69       |
70       |
71       |
72       |
73       |
74       |
75       |
76       |
77       |
78       |
79       |
80       |
81       |
82       |
83       |
84       |
85       |
86       |
87       |
88       |
89       |
90       |
91       |
92       |
93     },
94   },
95 }
```

The screenshot shows a Dart development environment with the following details:

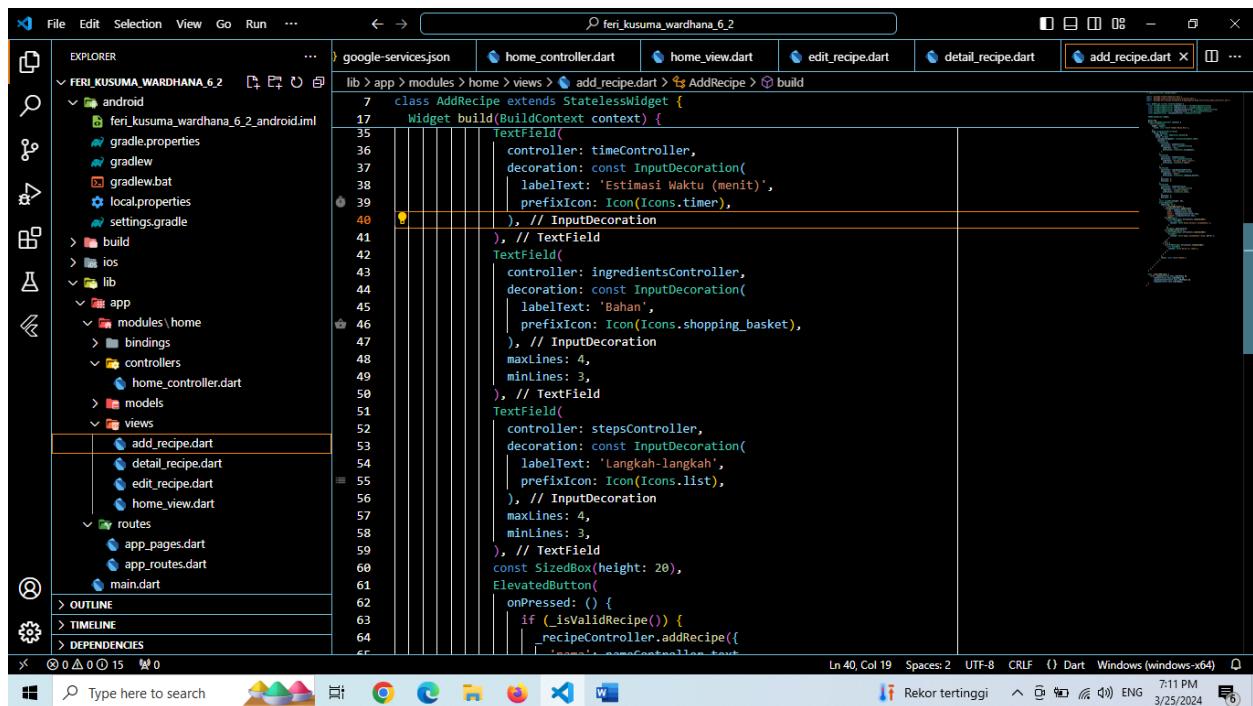
- File Explorer:** Shows the project structure for "FERI_KUSUMA_WARDHANA_6_2". The `lib` directory contains `main.dart`, `google-services.json`, `home_controller.dart`, `home_view.dart`, `edit_recipe.dart`, and `detail_recipe.dart`. The `lib/app/modules/home/views` folder contains `add_recipe.dart`, `detail_recipe.dart`, `edit_recipe.dart`, and `home_view.dart`. The `lib/routes` folder contains `app_pages.dart` and `app_routes.dart`.
- Code Editor:** The current file is `detail_recipe.dart`. The code implements a `DetailRecipe` StatelessWidget that handles the deletion of a recipe from Firestore. It uses `AlertDialog` to prompt the user before deletion and `SnackBar` to show a confirmation message.
- Status Bar:** Shows the line number (Ln 42), column (Col 54), spaces (Spaces: 2), encoding (UTF-8), and file type (Dart). It also indicates the operating system as Windows (windows-x64).
- Bottom Navigation:** Includes icons for File, Edit, Selection, View, Go, Run, and other development tools like Outline, Timeline, and Dependencies.
- Taskbar:** Shows the search bar "feri_kusuma_wardhana_6_2", the Start button, and pinned application icons for File Explorer, File Manager, Task View, and Edge browser.

7. Berikut adalah kode dari halaman add_detail.dart



The screenshot shows the VS Code interface with the file `add_recipe.dart` open in the editor. The code defines a `AddRecipe` StatelessWidget that builds a form for adding a new recipe. It includes fields for name, time estimate, ingredients, and steps.

```
3 import 'package:flutter/material.dart';
4 import 'package:cloud_firestore/cloud_firestore.dart';
5 import 'package:feri_kusuma_wardhana_6_2/app/modules/home/controllers/home_controller.dart';
6
7 class AddRecipe extends StatelessWidget {
8   final TextEditingController nameController = TextEditingController();
9   final TextEditingController timeController = TextEditingController();
10  final TextEditingController ingredientsController = TextEditingController();
11  final TextEditingController stepsController = TextEditingController();
12  final HomeController _recipeController = HomeController();
13
14  AddRecipe({super.key});
15
16  @override
17  Widget build(BuildContext context) {
18    return Scaffold(
19      appBar: AppBar(
20        title: const Text('Tambah Resep Baru'),
21      ), // AppBar
22      body: singleChildScrollView(
23        child: Padding(
24          padding: const EdgeInsets.all(16.0),
25          child: Column(
26            crossAxisAlignment: CrossAxisAlignment.start,
27            children: [
28              TextField(
29                controller: nameController,
30                decoration: const InputDecoration(
31                  labelText: 'Nama',
32                  prefixIcon: Icon(Icons.assignment),
33                ), // InputDecoration
34              ), // TextField
35              TextField(
36                controller: timeController,
37                decoration: const InputDecoration(
38                  labelText: 'Estimasi Waktu (menit)',
39                  prefixIcon: Icon(Icons.timer),
40                ), // InputDecoration
41              ), // TextField
42              TextField(
43                controller: ingredientsController,
44                decoration: const InputDecoration(
45                  labelText: 'Bahan',
46                  prefixIcon: Icon(Icons.shopping_basket),
47                ), // InputDecoration
48                maxLines: 4,
49                minLines: 3,
50              ), // TextField
51              TextField(
52                controller: stepsController,
53                decoration: const InputDecoration(
54                  labelText: 'Langkah-langkah',
55                  prefixIcon: Icon(Icons.list),
56                ), // InputDecoration
57                maxLines: 4,
58                minLines: 3,
59              ), // TextField
60              const SizedBox(height: 20),
61              ElevatedButton(
62                onPressed: () {
63                  if (_isValidRecipe()) {
64                    _recipeController.addRecipe({
65                      ...
66                    });
67                  }
68                },
69              ),
70            ],
71          ),
72        ),
73      ),
74    );
75  }
76}
```



The screenshot shows the same VS Code interface as the previous one, but with the cursor positioned at the beginning of the `class AddRecipe` line. This highlights the start of the class definition.

```
7 class AddRecipe extends StatelessWidget {
```

```
lib > app > modules > home > views > add_recipe.dart > AddRecipe > build
7   class AddRecipe extends StatelessWidget {
17     Widget build(BuildContext context) {
64       recipeController.addRecipe({
65         'nama': nameController.text,
66         'waktu': timeController.text,
67         'bahan': ingredientsController.text,
68         'langkah': stepsController.text,
69       }).then((_) {
70         ScaffoldMessenger.of(context).showSnackBar(
71           const SnackBar(
72             content: Text('Resep berhasil ditambahkan!'),
73           ), // SnackBar
74         );
75         Navigator.pop(context);
76       }).catchError((error) {
77         ScaffoldMessenger.of(context).showSnackBar(
78           const SnackBar(
79             content: Text('Gagal menambahkan resep: $error'),
80           ), // SnackBar
81         );
82       });
83     } else {
84       ScaffoldMessenger.of(context).showSnackBar(
85         const SnackBar(
86           content: Text('Harap isi semua'),
87         ), // SnackBar
88       );
89     },
90   },
91   child: const Text('Tambah'),
92 ],
93 ); // ElevatedButton
```

```
lib > app > modules > home > views > add_recipe.dart > AddRecipe > build
7   class AddRecipe extends StatelessWidget {
17     Widget build(BuildContext context) {
80       ],
81     );
82   } else {
83     ScaffoldMessenger.of(context).showSnackBar(
84       const SnackBar(
85         content: Text('Harap isi semua'),
86       ), // SnackBar
87     );
88   },
89   ],
90   child: const Text('Tambah'),
91 ],
92 ],
93 ); // ElevatedButton
94 ),
95 ),
96 );
97 ); // Scaffold
98 }
99 bool _isValidRecipe() {
100   return nameController.text.isNotEmpty &&
101   timeController.text.isNotEmpty &&
102   ingredientsController.text.isNotEmpty &&
103   stepsController.text.isNotEmpty;
104 }
105 }
106 }
107 }
```

A. Tampilan Aplikasi

- Berikut adalah tampilan dari home kemudian jika ingin menambahkan bisa klik floating di kanan bawah untuk menambahkan resep

The screenshot shows the Android Studio interface. On the left is the Project Explorer with files like main.dart, google-services.json, home_controller.dart, and home_view.dart. The main code editor shows the main.dart file with Dart code for initializing Firebase and running the application. To the right is a preview window showing a list of recipes: "Resep Makanan & Minuman Feri", "Feri Ayam Goreng" (Estimasi Waktu: 30 menit), "Ikan Bakar Feri" (Estimasi Waktu: 55 menit), and "Iga Bakar Feri" (Estimasi Waktu: 100 menit). At the bottom, the status bar shows the date as 3/25/2024.

```
lib/main.dart
import 'package:flutter/material.dart';
import 'package:firebase_core/firebase_core.dart';
import 'package:feri_kusuma_wardhana_6_2/app/modules/home/views/home_view.dart';
import 'package:get/get.dart';
import 'app/routes/app_pages.dart';

void main() async {
  WidgetsFlutterBinding.ensureInitialized();
  await Firebase.initializeApp(
    options: const FirebaseOptions(
      apiKey: "AIzaSyCP3lugh283SCz9I3aybnM4C31OfGin-sWs",
      appId: "1:422659179131:android:9137d57a3c1777b95d98de",
      messagingSenderId: "422659179131",
      projectId: "kusuma-69ba9",
    ),
  );
  runApp(const MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      title: 'Feri',
      theme: ThemeData(
        appBarTheme: const AppBarTheme(
          backgroundColor: Colors.green,
          foregroundColor: Colors.white,
        ),
      ),
    );
  }
}
```

The screenshot shows the Google Chrome browser displaying the Firebase Firestore database. The left sidebar shows project settings and database collections. The main area shows the 'recipes' collection with documents like '1dt3ZgiUpe5SN9h7gRR1' containing fields such as 'bahan', 'langkah', 'nama', and 'waktu'. The status bar at the bottom shows the date as 3/25/2024.

Firebase

Kusuma - Cloud Firestore - Data

Project Overview

Authentication

Firestore Database

App Check

What's new

Extensions

Release Monitor

Build

Release & Monitor

Spark No-cost \$0/month Upgrade

Cloud Firestore

(default)

+ Start collection

recipes

+ Add document

1dt3ZgiUpe5SN9h7gRR1

G1lsuQrsFiDuIFQACR0A

bwTIKNhiZWC042LwaCPV

+ Start collection

+ Add field

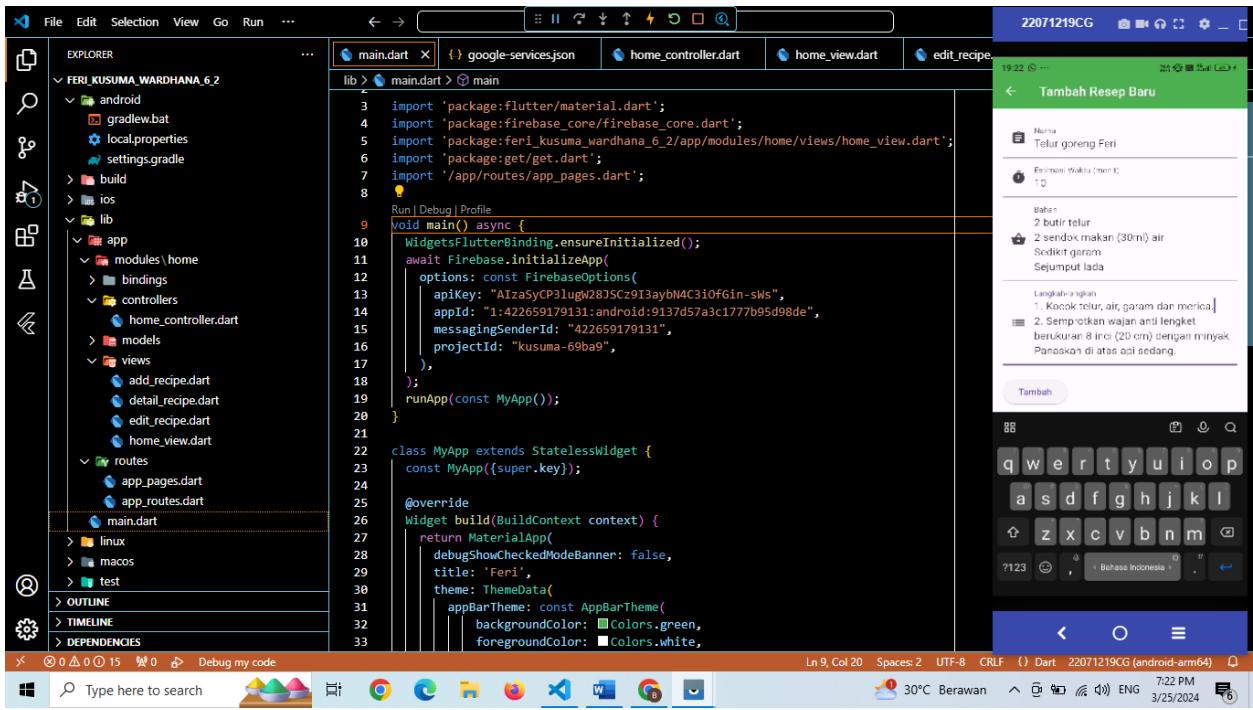
bahan: "nsnsns"

langkah: "hshsjsjs"

nama: "Feri Ayam Goreng"

waktu: "30"

- 2) Pada halaman Tambahan resep baru bisa melakukan penambahan resep kemudian data akan dikirim ke firebase



The screenshot shows the Android Studio interface. On the left is the Explorer panel with project files like lib/main.dart, google-services.json, home_controller.dart, home_view.dart, and edit_recipe.dart. The main code editor shows the main.dart file with Dart code for initializing Firebase and running the application. A floating window titled "Tambah Resep Baru" (Add New Recipe) is open on the right, containing fields for "Nama" (Name) set to "Telur goreng Feri", "Estimasi Waktu" (Estimated Time) set to "10", and a text area for "Langkah-langkah" (Steps) with the following text:

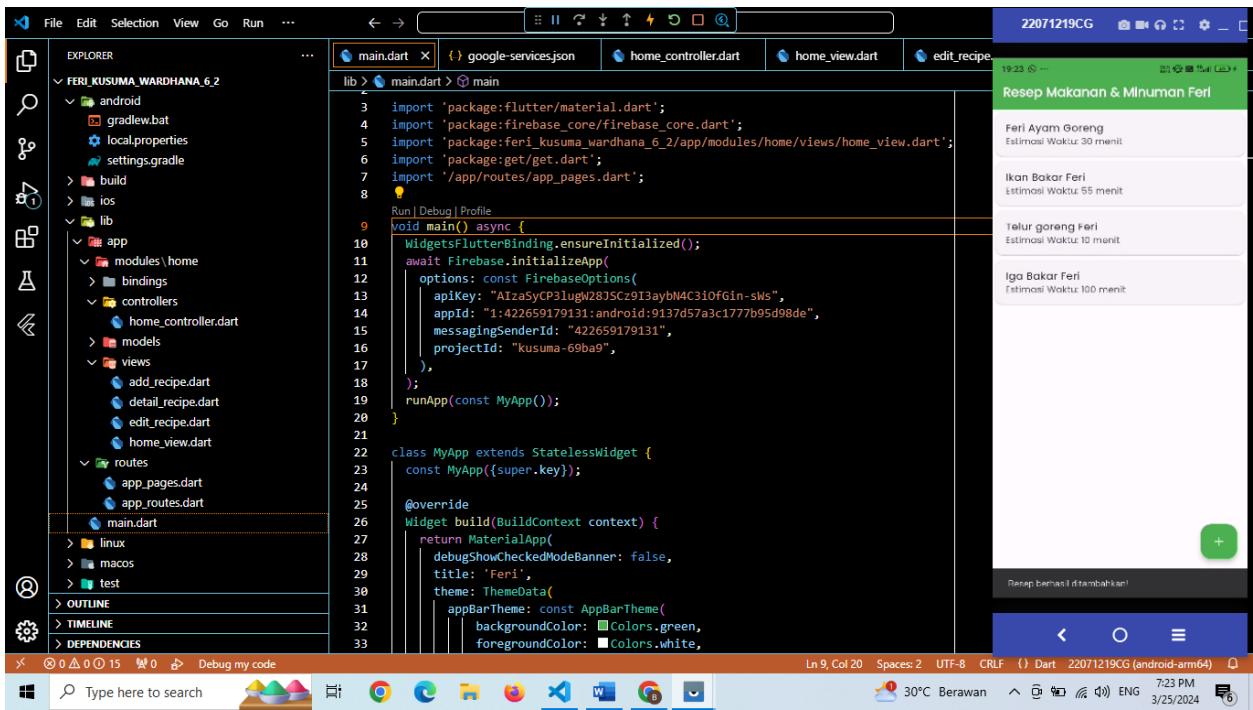
```

1. Kocok telur, air, garam dan merica
2. Sempotkan wajan anti lengket
berukuran 8 inci (20 cm) dengan minyak
Panaskan di atas api sedang.

```

Below the floating window is a keyboard. At the bottom of the screen, there's a taskbar with icons for various apps and a system status bar showing the date and time.

- 3) Pada halaman home resep tersebut akan otomatis bertambah



This screenshot is similar to the previous one, showing the Android Studio interface with the main.dart file in the code editor. A floating window titled "Resep Makanan & Minuman Feri" (Feri's Food & Drink Recipes) is displayed, listing four recipes with their names and estimated times:

- Feri Ayam Goreng (Estimated Time: 30 minutes)
- Ikan Bakar Feri (Estimated Time: 55 minutes)
- Telur goreng Feri (Estimated Time: 10 minutes)
- Iga Bakar Feri (Estimated Time: 100 minutes)

A green button labeled "+" is visible at the bottom right of the floating window. The bottom of the screen shows the taskbar and system status bar.

4) Pada firebase juga otomatis bertambah seperti dibawah ini

The screenshot shows the Firebase Cloud Firestore interface for a project named 'Kusuma'. On the left sidebar, under 'Firestore Database', the 'recipes' collection is selected. A specific document, 'GxYiB2P58TDkopR8ps5P', is expanded, showing its fields and their values:

- bahan: "2 butir telur 2 sendok makan (30ml) air Sedikit garam Sejumput lada"
- langkah: "1. Kocok telur, air, garam dan merica. 2. Sempotkan wajan anti lengket berukuran 8 inci (20 cm) dengan minyak. Panaskan di atas api sedang. 3. Tuang adonan telur."
- nama: "Telur goreng Feri"
- waktu: "10"

5) Berikut adalah halaman dari detail resep dimana disini juga terdapat icon sampah untuk melakukan penghapusan data dan icon pena untuk melakukan pengeditan

The screenshot shows the Android Studio IDE with a Flutter project named 'FERI_KUSUMA_WARDHANA_6.2'. The main.dart file is open in the code editor, showing the Dart code for the application's entry point. To the right of the editor, a preview window displays a recipe card for 'Telur goreng Feri'. The card includes the recipe title, estimated time ('10 menit'), ingredients, and steps. A floating action button (FAB) with a pen icon is visible in the bottom right corner of the preview area, indicating an edit mode.

- 6) Berikut jika melakukan pengeditan dimana akan muncul seperti dibawah ini kemudian tinggal diganti dan kemudian juga sudah tinggal disimpan

The screenshot shows the Android Studio interface. The code editor displays the main.dart file with the following code:

```

lib > main.dart > main
1 import 'package:flutter/material.dart';
2 import 'package:firebase_core/firebase_core.dart';
3 import 'package:feri_kusuma_wardhana_6_2/app/modules/home/views/home_view.dart';
4 import 'package:get/get.dart';
5 import '/app/routes/app_pages.dart';
6
7 void main() async {
8   WidgetsFlutterBinding.ensureInitialized();
9   await Firebase.initializeApp(
10     options: const FirebaseOptions(
11       apiKey: "AIzaSyCP3IugW285Cz9I3aybN4C3i0fGin-sWs",
12       appId: "1:422659179131:android:9137d57a3c1777b95d98de",
13       messagingSenderId: "422659179131",
14       projectId: "kusuma-69ba9",
15     ),
16   );
17   runApp(const MyApp());
18 }
19
20 class MyApp extends StatelessWidget {
21   const MyApp({super.key});
22
23   @override
24   Widget build(BuildContext context) {
25     return MaterialApp(
26       debugShowCheckedModeBanner: false,
27       title: 'Feri',
28       theme: ThemeData(
29         appBarTheme: const AppBarTheme(
30           backgroundColor: Colors.green,
31           foregroundColor: Colors.white,
32         ),
33       ),
34     );
35   }
36 }
37
38 void main() {
39   runApp(MyApp());
40 }
41
42 
```

A floating window titled "Edit Resep" is open on the right side of the screen. It contains a text input field with the placeholder "Nama Resep: Telur goreng Feri". Below the input field is a text area with the following text:

```

Bahan:
1. 2 butir telur
2. 2 sendok makan (30ml) air
Sedikit garam
Sejumput lada

Langkah-langkah:
1. Kocok telur, air, garam dan merica.
2. Sempitkan wajan anti lengket berukuran 8 inci (20 cm) dengan minyak. Panaskan di atas api sedang.
3. Tuang adonan telur.

Simpan

```

- 7) Berikut saya sudah melakukan pergantian dimana saya ganti untuk nama dan bahan dan langkah - langkah

The screenshot shows the Android Studio interface with the same floating "Edit Resep" window. The "Nama Resep" field now contains "Feri Telur". The "Bahan" section has been updated to:

```

Bahan:
1. 2 butir telur
2. 2 sendok makan (30ml) air
Sedikit garam
Sejumput lada

```

The "Langkah-langkah" section has been updated to:

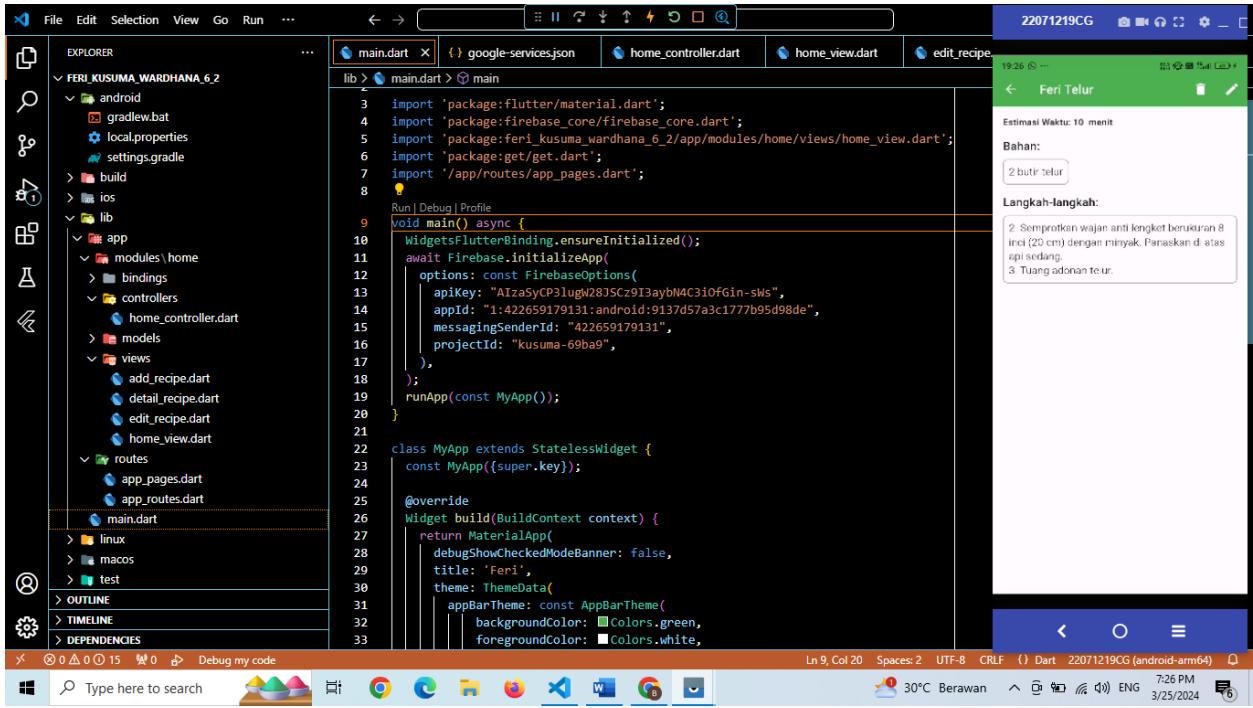
```

Langkah-langkah:
2. Sempitkan wajan anti lengket berukuran 8 inci (20 cm) dengan minyak. Panaskan di atas api sedang.
3. Tuang adonan telur.

Simpan

```

8) Kemudian akan otomatis berubah

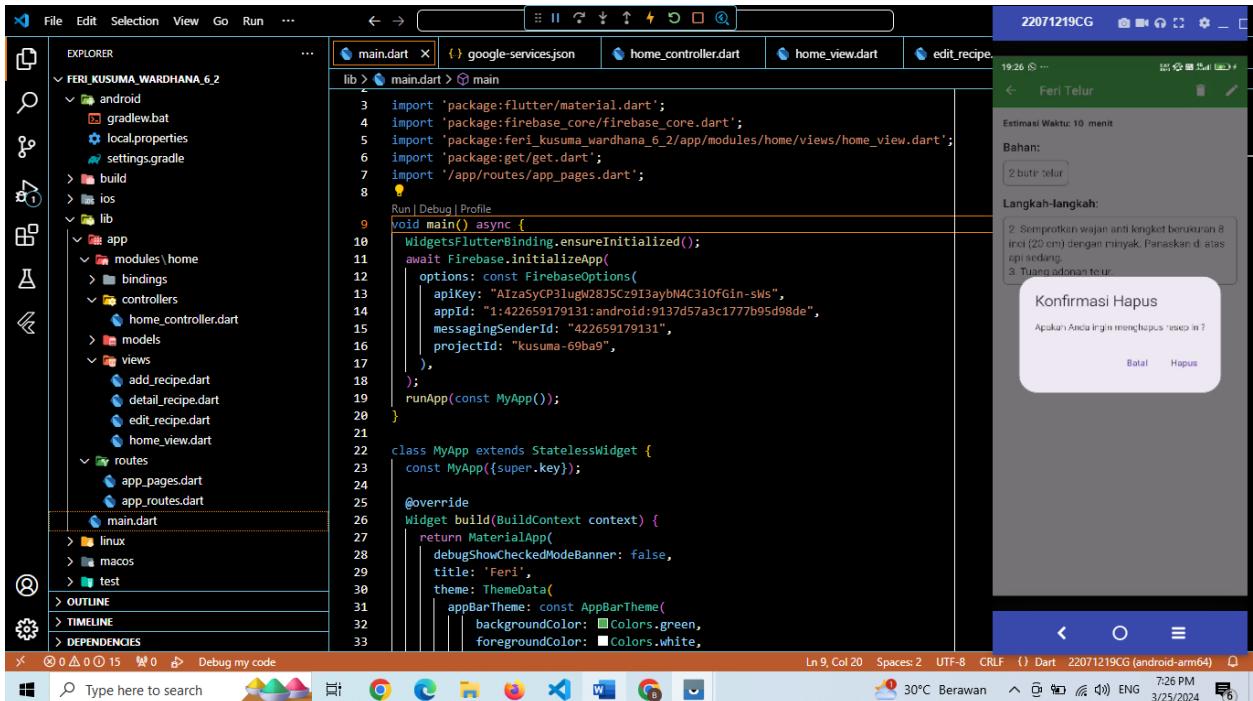


The screenshot shows the Android Studio interface with the code editor open to the main.dart file. The code is as follows:

```
lib > main.dart > main
1 import 'package:flutter/material.dart';
2 import 'package:firebase_core/firebase_core.dart';
3 import 'package:feri_kusuma_wardhana_6_2/app/modules/home/views/home_view.dart';
4 import 'package:get/get.dart';
5 import '/app/routes/app_pages.dart';
6
7 void main() async {
8   WidgetsFlutterBinding.ensureInitialized();
9   await Firebase.initializeApp(
10     options: const FirebaseOptions(
11       apiKey: "AIzaSyCP3lughW28JSCz9I3aybnN4C3i0fGin-sWs",
12       appId: "1:422659179131:android:9137d57a3c1777b95d98de",
13       messagingSenderId: "422659179131",
14       projectId: "kusuma-69ba9",
15     ),
16   );
17   runApp(const MyApp());
18 }
19
20 class MyApp extends StatelessWidget {
21   const MyApp({super.key});
22
23   @override
24   Widget build(BuildContext context) {
25     return MaterialApp(
26       debugShowCheckedModeBanner: false,
27       title: 'Feri',
28       theme: ThemeData(
29         appBarTheme: const AppBarTheme(
30           backgroundColor: Colors.green,
31           foregroundColor: Colors.white,
32         ),
33       ),
34     );
35   }
36 }
```

The code editor shows several changes made to the code, indicated by yellow highlights and squiggly underlines. A floating window on the right displays a recipe card for "Feri Telur".

9) Kemudian jika melakukan penghapusan akan muncul konfirmasi hapus



The screenshot shows the Android Studio interface with the code editor open to the main.dart file. The code is identical to the previous screenshot. A floating window on the right displays a recipe card for "Feri Telur". A modal dialog box titled "Konfirmasi Hapus" (Delete Confirmation) is overlaid on the screen, asking "Apakah Anda ingin menghapus 'exec'?" (Do you want to delete 'exec'?). The dialog has "Batal" (Cancel) and "Hapus" (Delete) buttons.

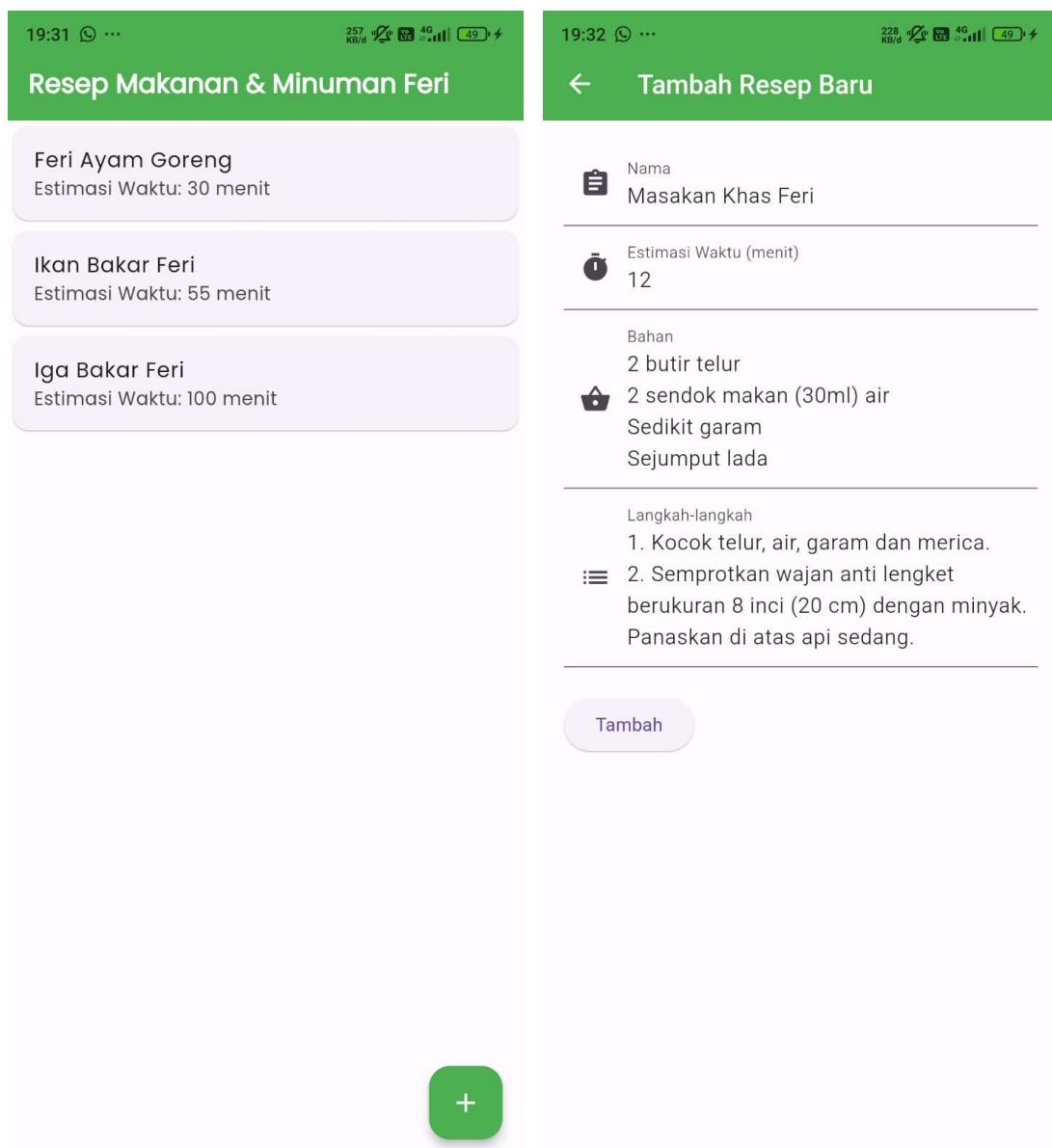
10) Kemudian juga hilang , hal ini juga akan terjadi hal sama pada database

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer (Left):** Shows the project structure for "FERI KUSUMA_WARDHANA_6_2". It includes folders for android, lib (with app, controllers, models, views, routes), and various files like main.dart, google-services.json, home_controller.dart, home_view.dart, edit_recipe.dart, add_recipe.dart, detail_recipe.dart, and edit_recipe.dart.
- Code Editor (Center):** Displays the main.dart file. The code initializes the Flutter engine, configures Firebase with specific options (including a placeholder API key), and runs the MyApp widget.
- Output (Bottom):** Shows the terminal output with the command "flutter run" and the message "Running flutter run on device Android SDK built for x86".
- Sidebar (Right):** A sidebar titled "Resep Makanan & Minuman Feri" displays three cards:
 - Feri Ayam Goreng**: Estimasi Waktu: 30 menit
 - Ikan Bakar Feri**: Estimasi Waktu: 55 menit
 - Iga Bakar Feri**: Estimasi Waktu: 100 menit
- Bottom Bar:** Includes icons for file operations, search, and help, along with the current date and time (3/25/2024) and a battery icon.

B. Berikut adalah tampilan dari hp

1. Berikut tampilan utama atau home akan seperti dibawah ini , dimana nanti bisa klik floating tambah yang ada di bawah kanan kemudian akan muncul tambah Resep Baru dan bisa diisi

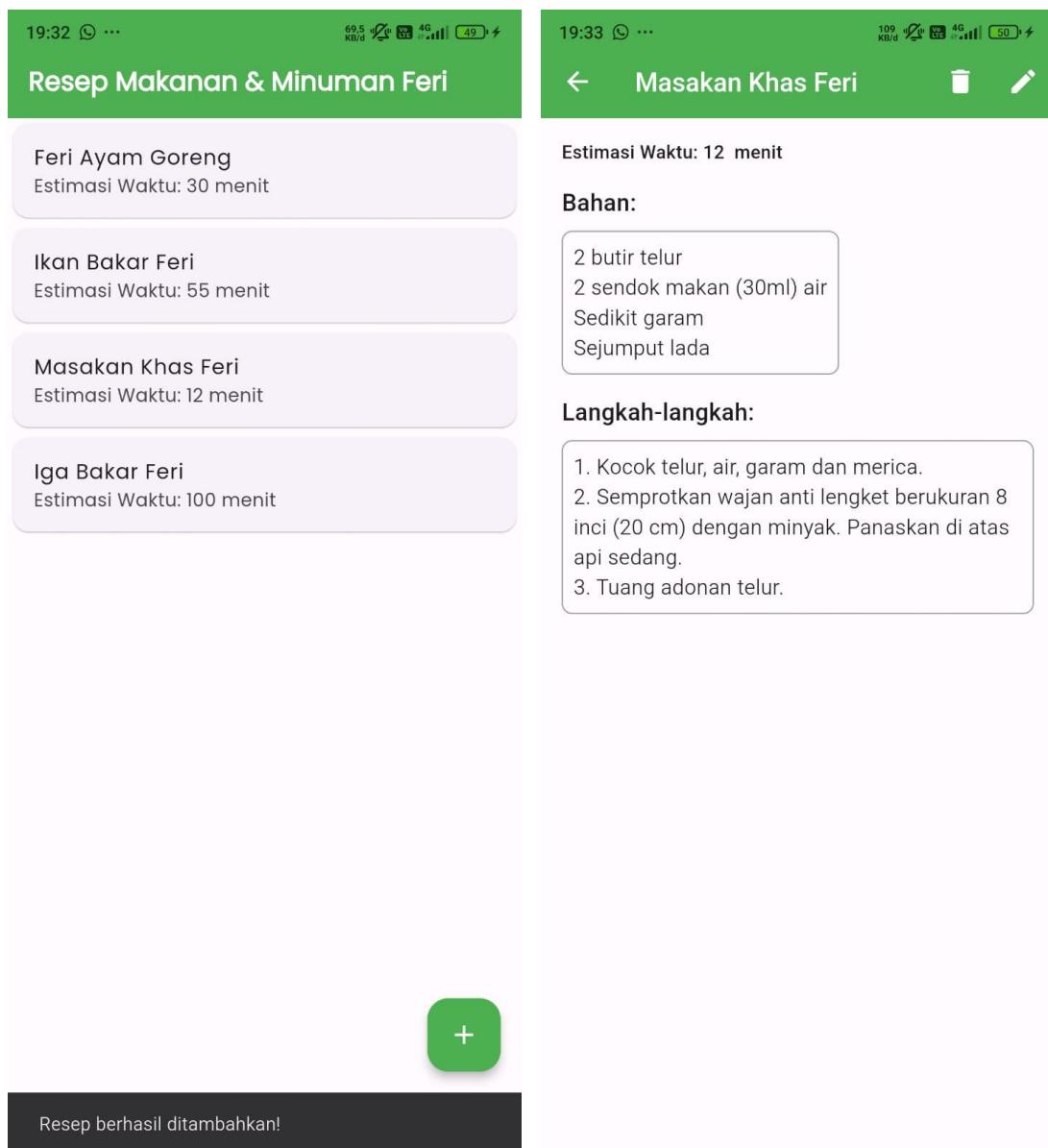


2. Kemudian di firebase akan otomatis bertambah seperti dibawah ini

The screenshot shows the Firebase Cloud Firestore interface in a Google Chrome browser. The left sidebar is collapsed, and the main area displays the 'Cloud Firestore' section for the 'Kusuma' project. A collection named 'recipes' is selected. A new document was just created, and its details are shown on the right:

- Document ID:** R2sYtiVOSZ6tVyJ6LGJL
- Fields:**
 - bahan: "2 butir telur 2 sendok makan (30ml) air Sedikit garam Sejumput lada"
 - langkah: "1. Kocok telur, air, garam dan merica. 2. Sempotkan wajan anti lengket berukuran 8 inci (20 cm) dengan minyak. Panaskan di atas api sedang. 3. Tuang adonan telur."
 - nama: "Masakan Khas Feri"
 - waktu: "12"

3. Kemudian di dalam aplikasi pun juga bertambah , kemudian jika klik Makanan Khas Feri kemudian akan muncul dari detail makanan dari data yang sudah tersimpan di firebase . disini juga ada icon sampah jika diklik maka akan menghapus resep ini dan jika klik icon pena maka akan melakukan pengeditan pada resep tersebut



4. Berikut adalah jika klik icon edit resep dimana akan melakukan pengeditan pada Makanan Khas Feri menjadi Feri Masakan dan yang lainnya juga akan diubah

The image consists of two side-by-side screenshots of a mobile application interface for editing a recipe.

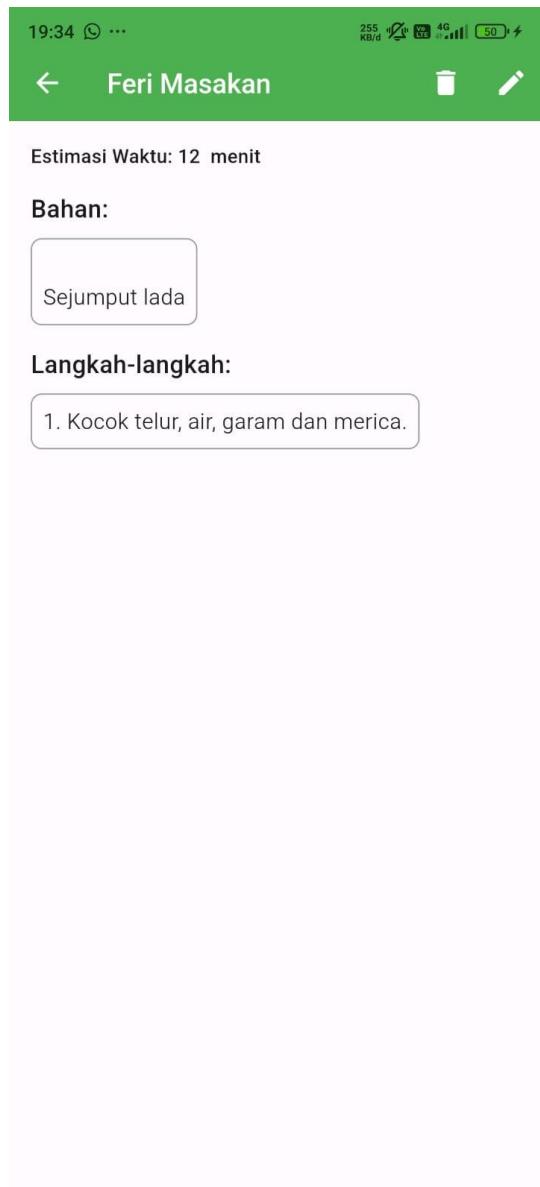
Left Screenshot (Original Recipe):

- Header:** 19:33 ⓘ ..., 256 KB/d, 4G, 50% battery.
- Title:** Edit Resep
- Recipe Details:**
 - Name:** Nama Resep
Masakan Khas Feri
 - Time Estimate:** Estimasi Waktu (menit)
12
 - Ingredients:**
 - Bahan
2 butir telur
 - 2 sendok makan (30ml) air
 - Sedikit garam
 - Sejumput lada
 - Instructions:**
 - Langkah-langkah
1. Kocok telur, air, garam dan merica.
2. Semprotkan wajan anti lengket berukuran 8 inci (20 cm) dengan minyak.
Panaskan di atas api sedang.
3. Tuang adonan telur.
- Bottom Action:** Simpan

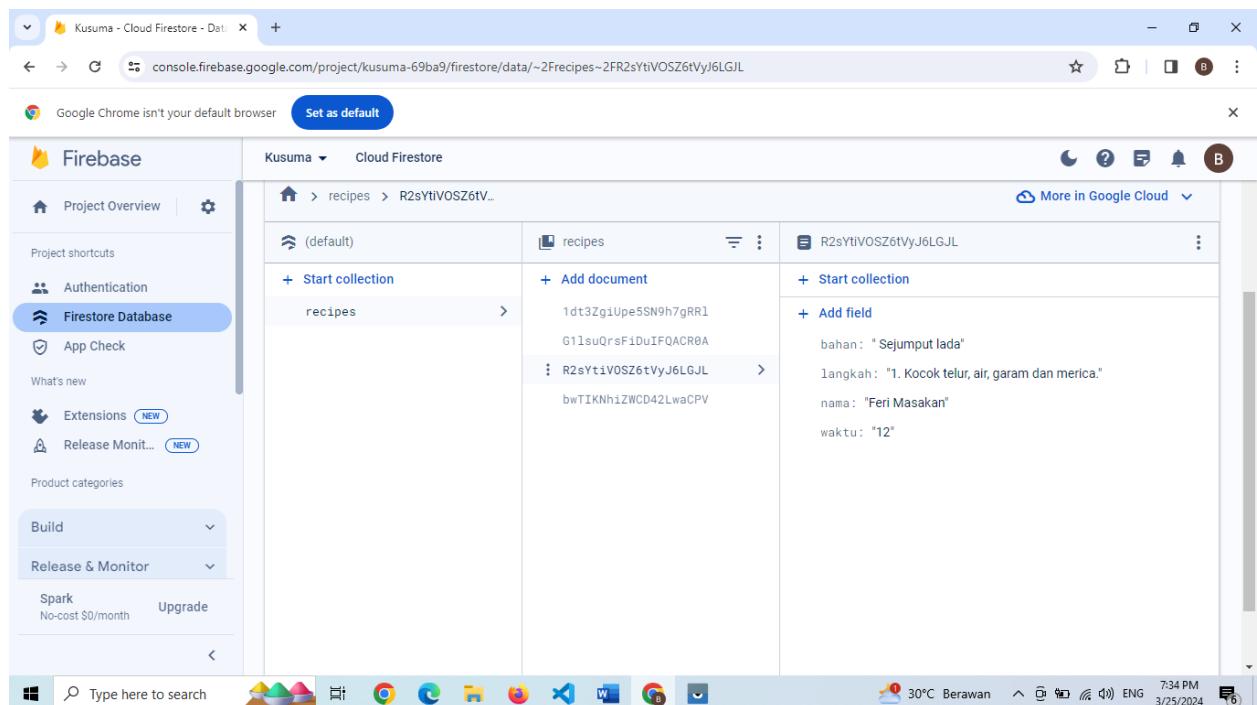
Right Screenshot (Edited Recipe):

- Header:** 19:34 ⓘ ..., 69.5 KB/d, 4G, 50% battery.
- Title:** Edit Resep
- Recipe Details:**
 - Name:** Nama Resep
Feri Masakan
 - Time Estimate:** Estimasi Waktu (menit)
12
 - Ingredients:**
 - Bahan
Sejumput lada
 - Instructions:**
 - Langkah-langkah
1. Kocok telur, air, garam dan merica.
- Bottom Action:** Simpan

5. Kemudian jika klik simpan maka akan otomatis seperti dibawah ini



6. Kemudian juga akan otomatis melakukan pengeditan pada firebase seperti dibawah ini , data juga mengalami perubahan

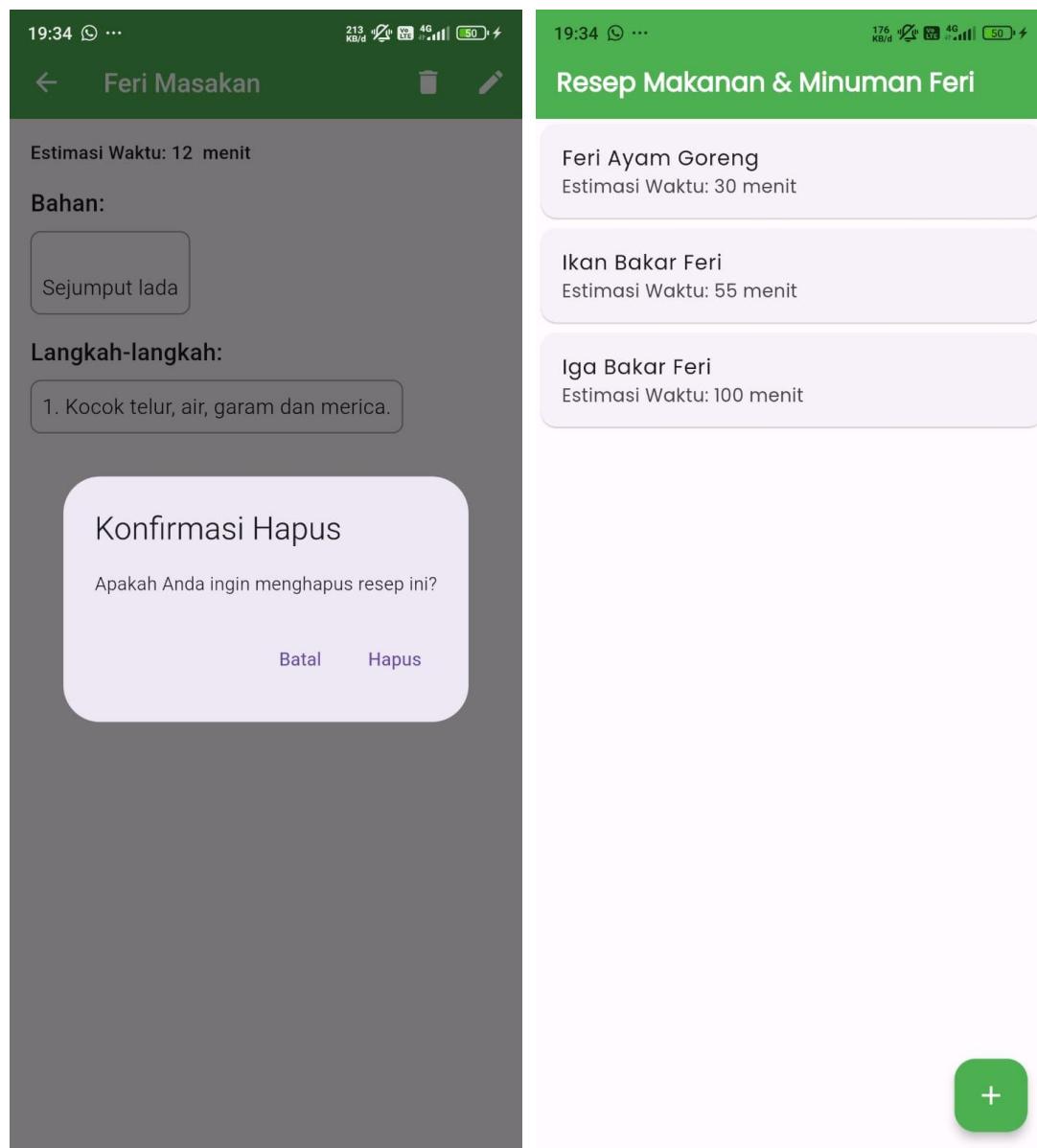


The screenshot shows the Firebase Cloud Firestore interface. On the left, the navigation sidebar is visible with options like Project Overview, Authentication, Firestore Database (which is selected and highlighted in blue), App Check, and others. The main area displays a hierarchical view of collections and documents. Under the 'recipes' collection, there is a single document named 'R2sYtiVOSZ6tVyJ6LGJL'. This document contains several fields with their respective values:

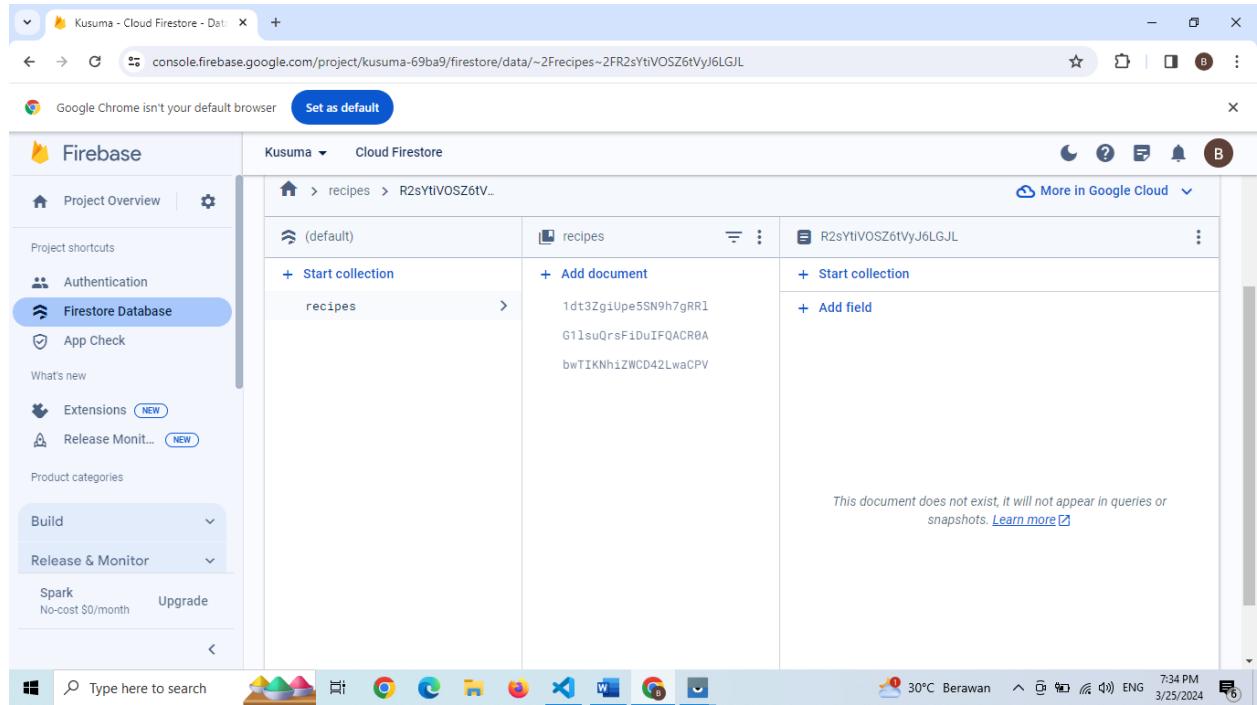
- bahan: "Sejumput lada"
- langkah: "1. Kocok telur, air, garam dan merica."
- nama: "Feri Masakan"
- waktu: "12"

The status bar at the bottom indicates the system is at 30°C, the date is 3/25/2024, and the time is 7:34 PM.

7. Kemudian jika klik icon sampah maka akan melakukan hapus kemudian akan ada konfirmasi hapus jika klik hapus maka secara otomatis di halaman home pada aplikasi akan juga hilang



8. Hal ini juga pada firebase data dari resep tersebut juga akan hilang



The screenshot shows the Firebase Cloud Firestore interface. On the left, the navigation sidebar is visible with options like Project Overview, Authentication, Firestore Database (which is selected and highlighted in blue), App Check, and others. The main content area shows a hierarchical path: Kusuma > recipes > R2sYtIVOSZ6tv... . Below this, there's a table structure for the 'recipes' collection. A new document was just created, indicated by the placeholder text 'This document does not exist. It will not appear in queries or snapshots.' A link to 'Learn more' is provided. The document ID is R2sYtIVOSZ6tvJ6LGJL, and it contains three document keys: 1dt3ZgiUpe5SN9h7gRR1, G1lsuQrsFiDuIFQACR8A, and bwTIKNhizWCD42LwaCPV.