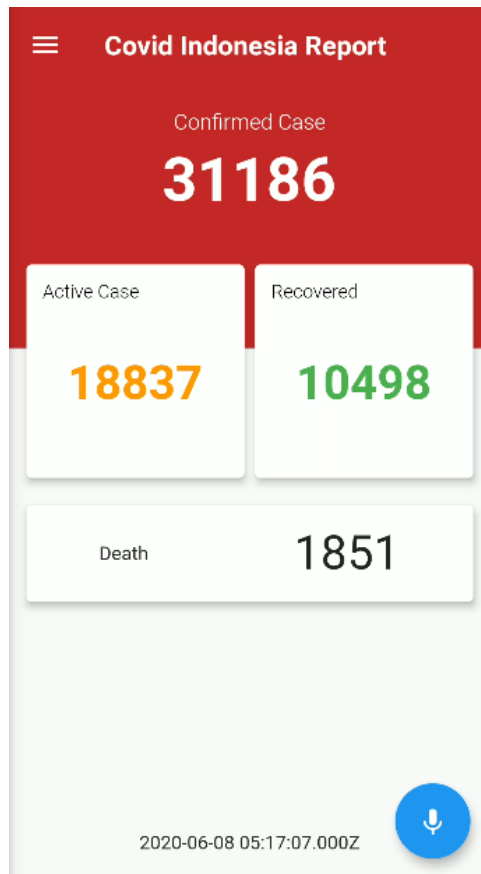


## Menampilkan Data Dari API Dengan Http



Yang harus disiapkan:

- Flutter Project
- Http package
- Provider package

## Code

```
1 import 'package:flutter/material.dart';
2 import 'package:provider/provider.dart';
3
4 import '../provider/covid_provider.dart';
5 import '../screens/homescreen.dart';
6
7 Run | Debug
8 void main() {
9   runApp(MyApp());
10 }
11
12 class MyApp extends StatelessWidget {
13   @override
14   Widget build(BuildContext context) {
15     return MultiProvider(
16       providers: [
17         ChangeNotifierProvider(
18           create: (_) => CovidProvider(),
19           // ChangeNotifierProvider
20         ),
21       ],
22       child: MaterialApp(
23         debugShowCheckedModeBanner: false,
24         home: Homescreen(),
25       ), // MaterialApp
26     ); // MultiProvider
27 }
28 }
```

```
1 import 'dart:convert';
2 import 'package:flutter/material.dart';
3 import 'package:http/http.dart' as http;
4 import '../models.dart';
5
6 class CovidProvider extends ChangeNotifier {
7   IndonesiaModel summary;
8   WorldModel world;
9   DateTime updated;
10
11   Future<void> getData() async {
12     final url = 'https://kawalcovid19.harippe.id/api/summary';
13     final response = await http.get(url);
14
15     final result = json.decode(response.body) as Map<String, dynamic>;
16
17     try {
18       print("Requesting: $url");
19
20       if (response.statusCode == 200) {
21         summary = IndonesiaModel(
22           confirmed: result['confirmed']['value'],
23           recovered: result['recovered']['value'],
24           deaths: result['deaths']['value'],
25           activeCare: result['activeCare']['value'],
26         );
27
28         updated = DateTime.parse(result['metadata']['lastUpdatedAt']);
29
30         print("Indonesia Covid Request Succeed");
31       } else {
32         print("Failed");
33       }
34     } catch (e) {
35       print(e.toString());
36     }
37
38     notifyListeners();
39   }
40 }
```

```
1 import 'package:flutter/material.dart';
2 import 'package:provider/provider.dart';
3 import '../provider/covid_provider.dart';
4 import '../widgets/indonesia_widget.dart';
5
6 class Homescreen extends StatelessWidget {
7   @override
8   Widget build(BuildContext context) {
9     final _height = MediaQuery.of(context).size.height;
10     Color _bgColor = Colors.red[800];
11
12     // Scaffold
13     return Scaffold(
14       drawer: Drawer(),
15       appBar: AppBar( // AppBar
16         floatingActionButton: FloatingActionButton( // FloatingActionButton
17           body: Stack(
18             children: <Widget>[
19               Column( // Column
20                 Container(
21                   margin: const EdgeInsets.symmetric( // EdgeInsets.symmetric
22                     future:
23                       Provider.of<CovidProvider>(context, listen: false).getData(),
24                     builder: (context, snapshot) {
25                       if (snapshot.connectionState == ConnectionState.waiting) {
26                         return Center(
27                           child: Column(
28                             crossAxisAlignment: CrossAxisAlignment.center,
29                             mainAxisAlignment: MainAxisAlignment.center,
30                             children: <Widget>[
31                               CircularProgressIndicator(),
32                               Divider(),
33                               Text("Loading...")
34                             ], // <Widget>[]
35                           ), // Column
36                         ); // Center
37                       }
38
39                       return Consumer<CovidProvider>(builder: (context, data, _) {
40                         return Column(
41                           children: <Widget>[
42                             Flexible(
43                               flex: 1,
44                               child: Indonesia(height: _height, data: data),
45                             ), // Flexible
46                           ], // <Widget>[]
47                         ); // Column
48                       }); // Consumer
49                     ], // <Widget>[]
50                   ), // Stack
51                 ), // Scaffold
52               ); // Container
53             ], // <Widget>[]
54           ); // Container
55         ), // Stack
56       ); // Scaffold
57     ); // Container
58   }
59 }
```

```
29 children: <Widget>[
30   Column( // Column
31     Container(
32       margin: const EdgeInsets.symmetric( // EdgeInsets.symmetric
33         child: FutureBuilder(
34           future:
35             Provider.of<CovidProvider>(context, listen: false).getData(),
36           builder: (context, snapshot) {
37             if (snapshot.connectionState == ConnectionState.waiting) {
38               return Center(
39                 child: Column(
40                   crossAxisAlignment: CrossAxisAlignment.center,
41                   mainAxisAlignment: MainAxisAlignment.center,
42                   children: <Widget>[
43                     CircularProgressIndicator(),
44                     Divider(),
45                     Text("Loading...")
46                   ], // <Widget>[]
47                 ); // Column
48             ); // Center
49           }
50
51           return Consumer<CovidProvider>(builder: (context, data, _) {
52             return Column(
53               children: <Widget>[
54                 Flexible(
55                   flex: 1,
56                   child: Indonesia(height: _height, data: data),
57                 ), // Flexible
58               ], // <Widget>[]
59             ); // Column
60           }); // Consumer
61         ], // <Widget>[]
62       ); // FutureBuilder
63     ); // Container
64   ], // <Widget>[]
65 ); // Stack
66 ); // Scaffold
67 ); // Container
68 }
69 }
```

```

b > provider > models.dart > ...
1 import 'package:flutter/material.dart';
2
3 class IndonesiaModel {
4   final int confirmed;
5   final int recovered;
6   final int deaths;
7   final int activeCare;
8
9   IndonesiaModel({
10    @required this.confirmed,
11    @required this.recovered,
12    @required this.deaths,
13    @required this.activeCare,
14  });
15 }

```

```

b > widgets > covid_card_model.dart > CovidCard > CovidCard
3 class CovidCard extends StatelessWidget {
4   final String total;
5   final String label;
6   final Color color;
7   final double size;
8
9   CovidCard({
10    @required this.total,
11    @required this.size,
12    @required this.color,
13    @required this.label,
14  });
15
16 @override
17 Widget build(BuildContext context) {
18   return Card(
19     elevation: 5.0,
20     color: Colors.white,
21     child: Padding(
22       padding: const EdgeInsets.all(12.0),
23       child: Column(
24         crossAxisAlignment: CrossAxisAlignment.start,
25         children: <Widget>[
26           Text(
27             label,
28             style:
29               TextStyle(color: Colors.black, fontWeight: FontWeight.w300),
30           ), // Text
31           SizedBox(height: 40.0),
32           Center(
33             child: Text(
34               total,
35               style: TextStyle(
36                 fontWeight: FontWeight.w700, fontSize: size, color: color),
37             ), // Text
38           ), // Center
39         ], // <Widget>[]
40       ), // Column
41     ), // Padding
42   ); // Card

```