



# Pemrograman Mobile

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Marta ardiyanto

**VS Code**

**GIT**

**Flutter**

**<https://docs.flutter.dev/>**

**Andorid Studio**

**Postman**

**Chrome**

# Flutter

- framework untuk membuat aplikasi multi platform seperti Android, iOS, Web, Windows, Linux dan MacOS

# Instalasi FLutter

<https://flutter.dev/docs/get-started/install/windows>

**Ektract file ke direktori C:\flutter\ (Gunakan extract to)**

Periksa apakah flutter telah benar-benar terinstall

**Buka CMD ketikkan**

```
flutter doctor
```

# Instalasi FLutter

Doctor **summary** (to see all details, run flutter doctor -v):

```
[✓] Flutter (Channel stable, 3.0.5, on Microsoft Windows
    [Version 10.0.19044.2130], locale en-ID)
[✓] Android toolchain - develop for Android devices (Android SDK
    version 33.0.0)
[✓] Chrome - develop for the web
[✓] Visual Studio - develop for Windows (Visual Studio Community
    2022 17.2.5)
[✓] Android Studio (version 2021.1)
[✓] VS Code (version 1.73.1)
[✓] Connected device (3 available)
[✓] HTTP Host Availability
No issues found!
```

# Instalasi FLutter

- **Instal SDK Android terbaru**
- **Instal Android Studio terbaru**

# Instalasi Flutter dan Dart di VSCode

## **Instal plugin Flutter dan Dart untuk VS Code**

1. Buka VS Code.
2. Pilih extention
3. Cari flutter dan Dart
4. Instal
5. Mulai ulang VS Code

# Instalasi Flutter dan Dart di Android Studio

## **Instal plugin Flutter dan Dart untuk Android Studio**

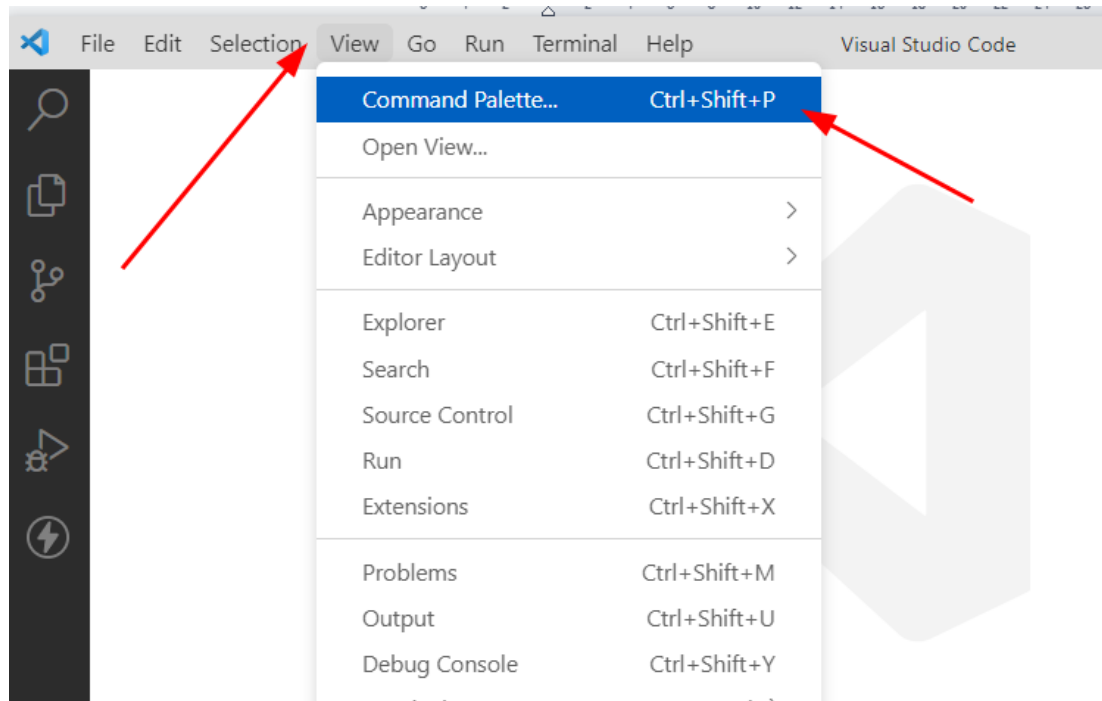
- 1. Buka Android Studio.**
- 2. Klik File → Pengaturan → Plugin.**
- 3. Pilih plugin Flutter dan klik Instal.**
- 4. Klik Ya saat diminta untuk menginstal plugin Dart.**
- 5. Mulai ulang studio Android.**





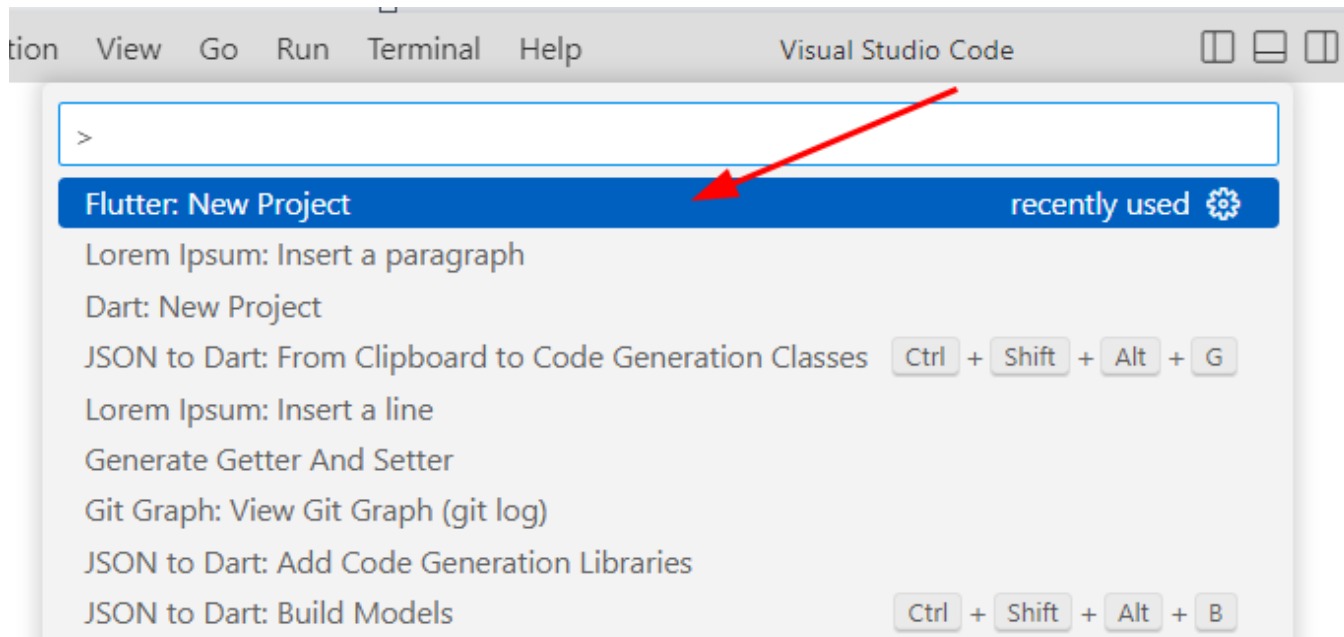
# Arsitektur aplikasi flutter, hello world

- Buka VSCode
- Klik View->Command Pallette , atau shorcut di windows ctrl+shift+P



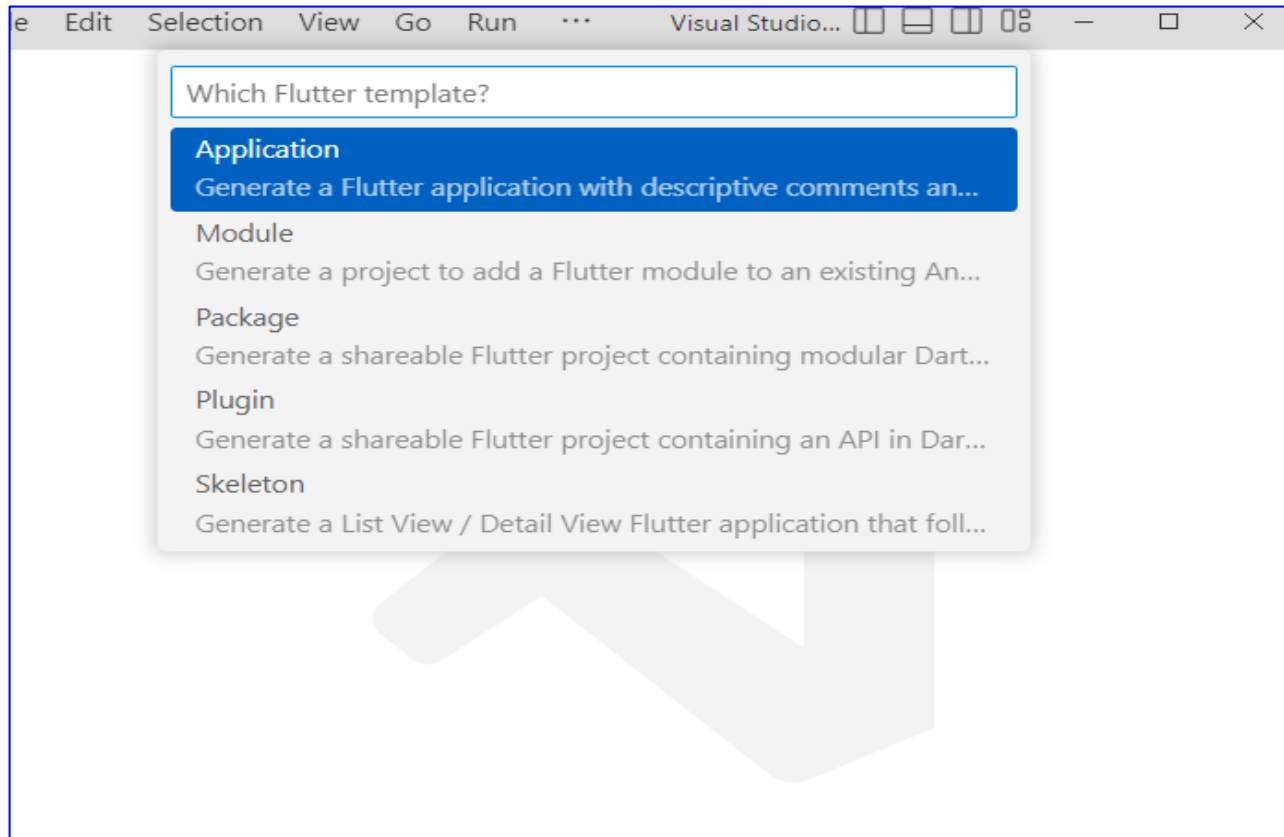
# Arsitektur aplikasi flutter, hello world

- **Ketikkan Flutter pada kotak tersedia lalu pilih Flutter New Proyek**

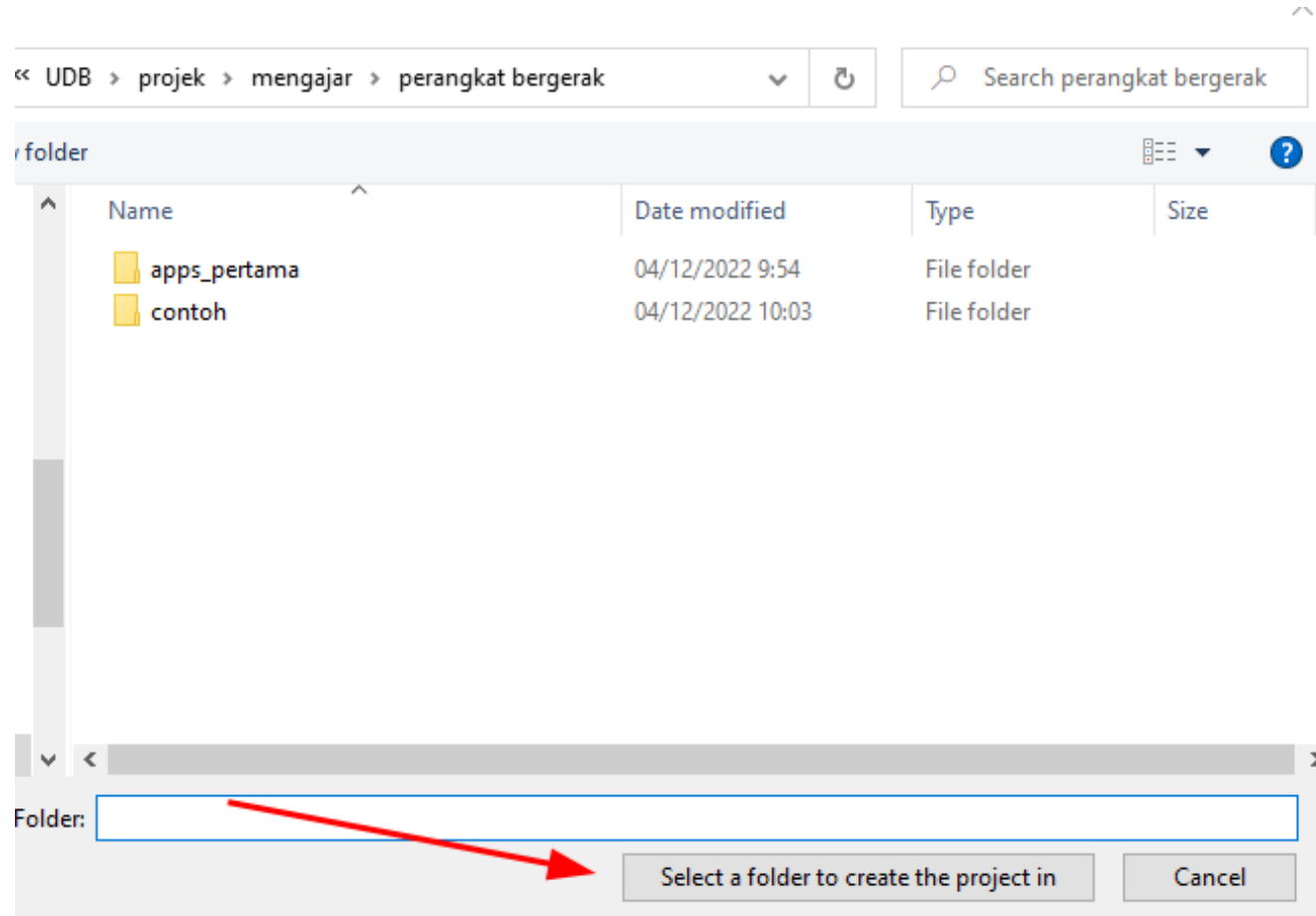


# Arsitektur aplikasi flutter, hello world

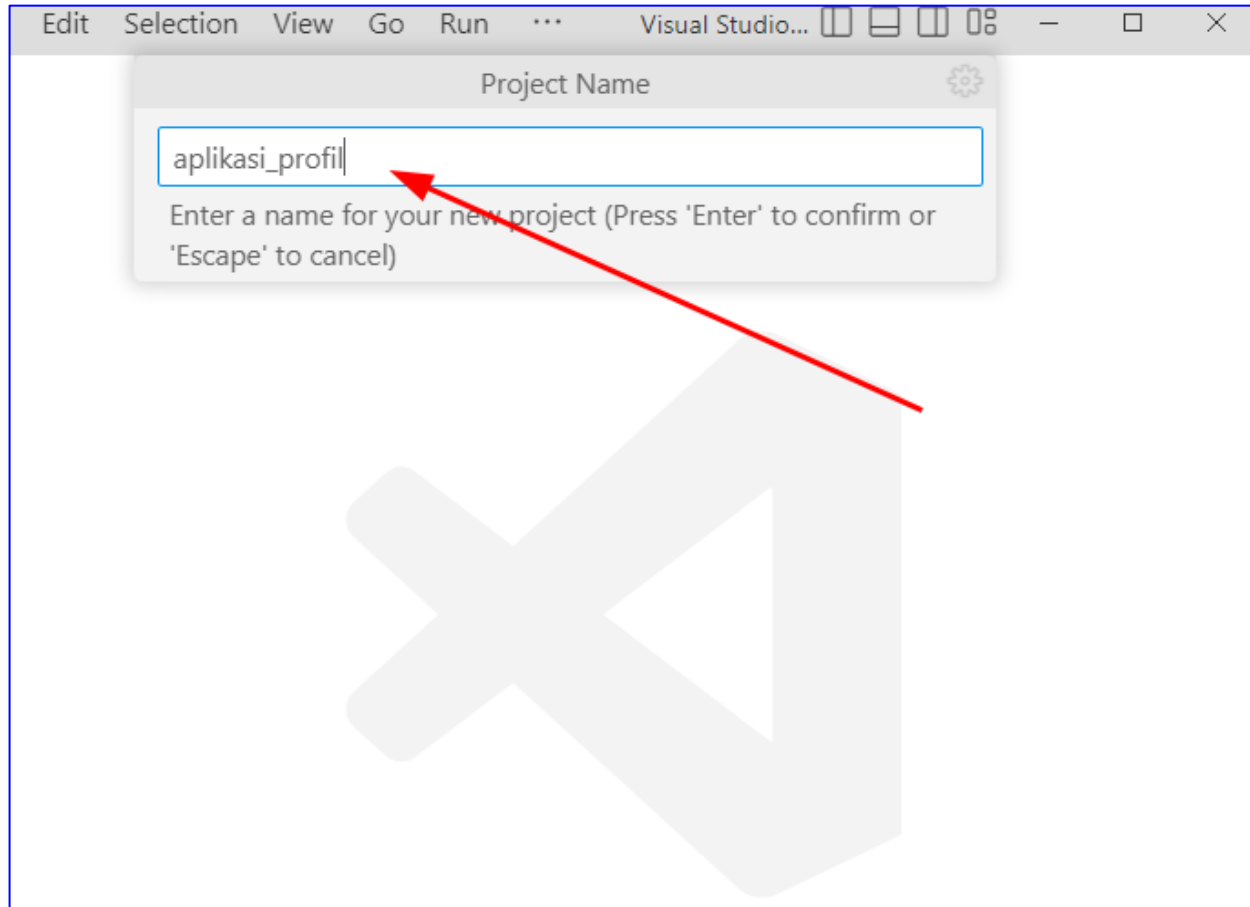
- **Ketikkan nama aplikasi ,tekan Enter , lalu pilih folder tempat projek akan disimpan**



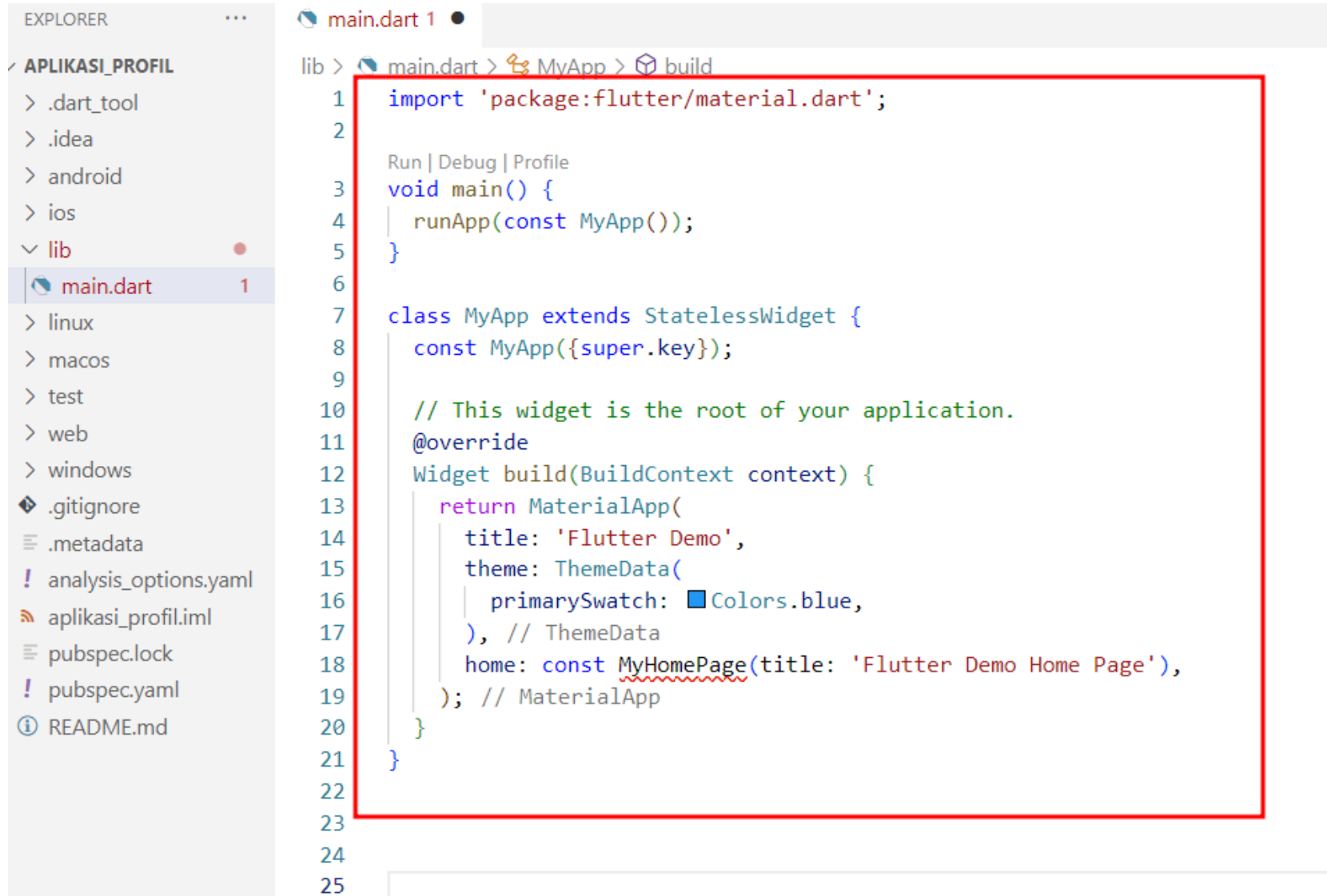
# Arsitektur aplikasi flutter, hello world



# Arsitektur aplikasi flutter, hello world



# Arsitektur aplikasi flutter, hello world



The image shows a screenshot of an IDE interface. On the left is the 'EXPLORER' panel showing a project structure for 'APLIKASI\_PROFIL'. The 'lib' directory is expanded, showing 'main.dart' as the selected file. On the right is the editor window for 'main.dart', which contains the following Dart code:

```
lib > main.dart > MyApp > build
1  import 'package:flutter/material.dart';
2
3  Run | Debug | Profile
4  void main() {
5    runApp(const MyApp());
6  }
7
8  class MyApp extends StatelessWidget {
9    const MyApp({super.key});
10
11    // This widget is the root of your application.
12    @override
13    Widget build(BuildContext context) {
14      return MaterialApp(
15        title: 'Flutter Demo',
16        theme: ThemeData(
17          primarySwatch: Colors.blue,
18        ), // ThemeData
19        home: const MyHomePage(title: 'Flutter Demo Home Page'),
20      ); // MaterialApp
21    }
22  }
23
24
25
```

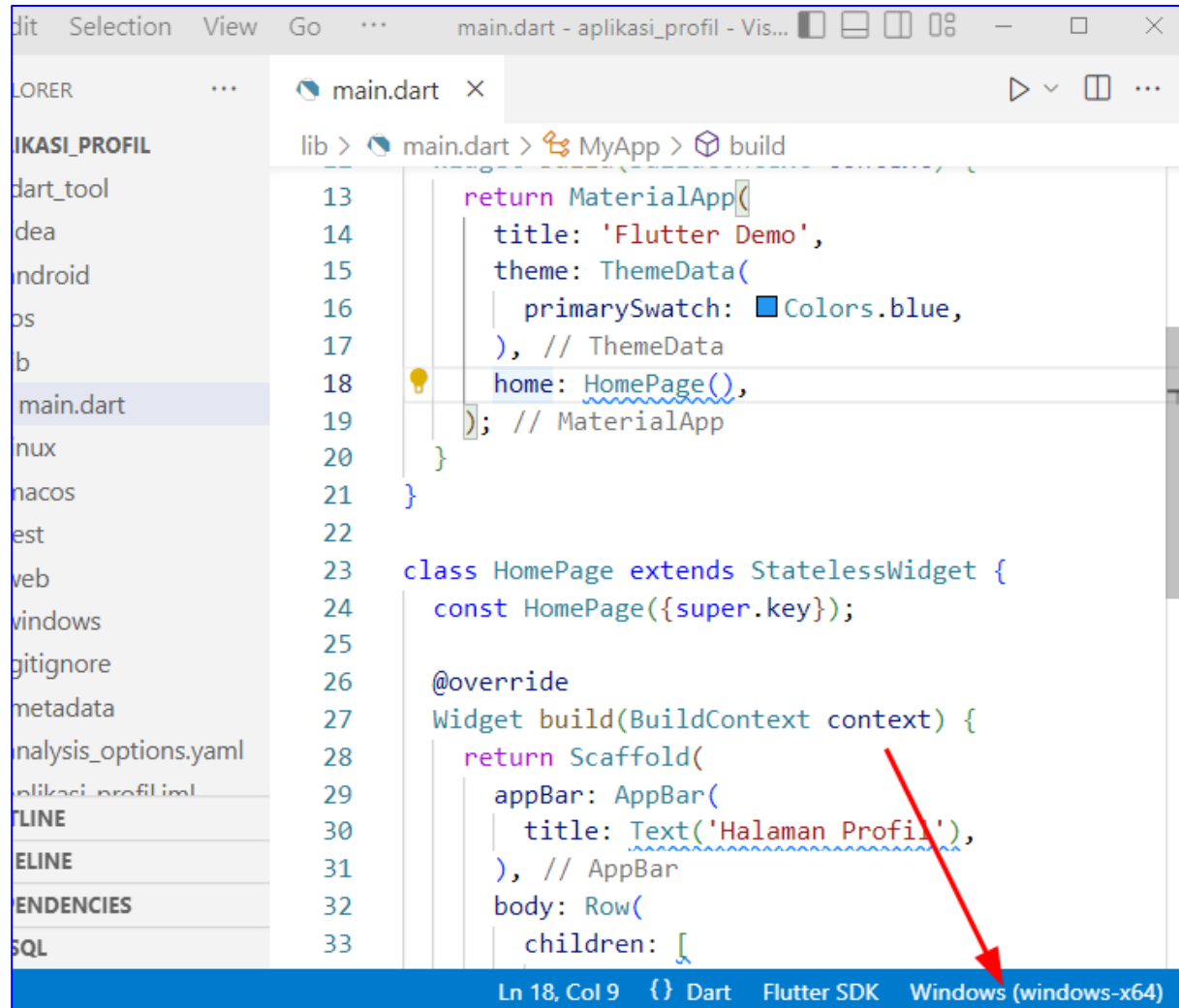
# Arsitektur aplikasi flutter, hello world

```
13   return MaterialApp(  
14     title: 'Flutter Demo',  
15     theme: ThemeData(  
16       primarySwatch: Colors.blue,  
17     ), // ThemeData  
18     home: HomePage(),  
19   ); // MaterialApp  
20 }  
21 }  
22  
23 class HomePage extends StatelessWidget {  
24   const HomePage({super.key});  
25  
26   @override  
27   Widget build(BuildContext context) {  
28     return Scaffold(  
29       appBar: AppBar(  
30         title: Text('Halaman Profil'),  
31       ), // AppBar  
32       body: Row(  
33         children: [  
34           Text('selamat datang'),  
35           Icon(Icons.favorite),  
36           Text('di my profil')  
37         ],  
38       ), // Row  
39     ); // Scaffold  
40   }  
41 }  
42
```





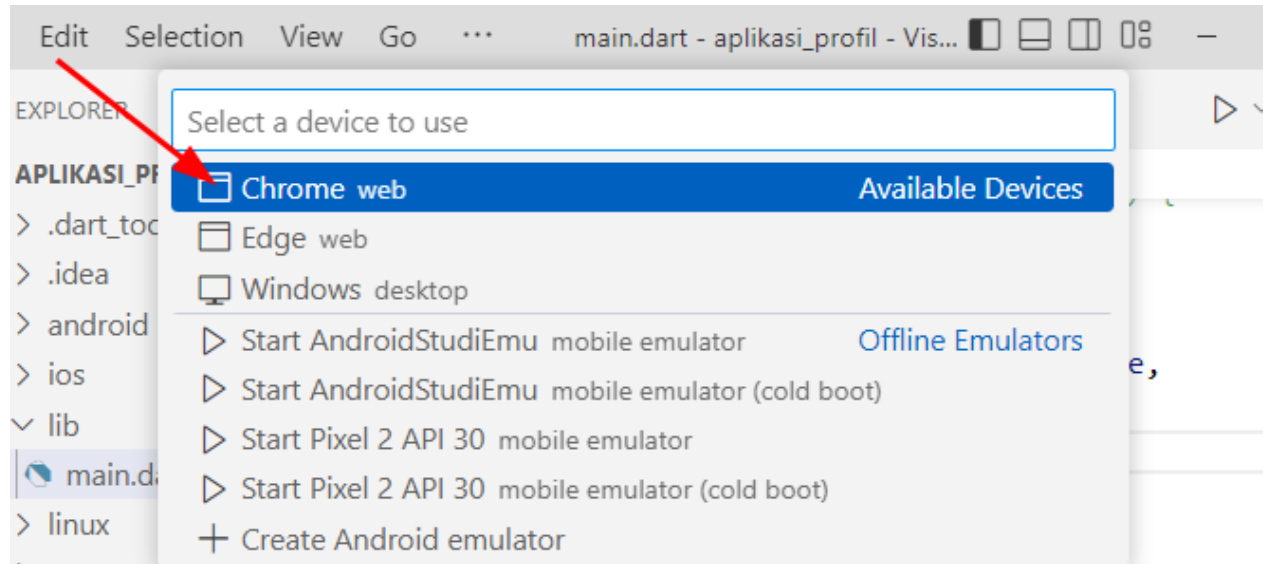
# Arsitektur aplikasi flutter, hello world












```
13   return MaterialApp(  
14     title: 'Flutter Demo',  
15     theme: ThemeData(  
16       primarySwatch: Colors.blue,  
17     ), // ThemeData  
18     home: HomePage(),  
19   ); // MaterialApp  
20 }  
21 }  
22  
23 class HomePage extends StatelessWidget {  
24   const HomePage({super.key});  
25  
26   @override  
27   Widget build(BuildContext context) {  
28     return Scaffold(  
29       appBar: AppBar(  
30         title: Text('Halaman Profil'),  
31       ), // AppBar  
32       body: Row(  
33         children: [
```

Ln 18, Col 9 {} Dart Flutter SDK Windows (windows-x64)

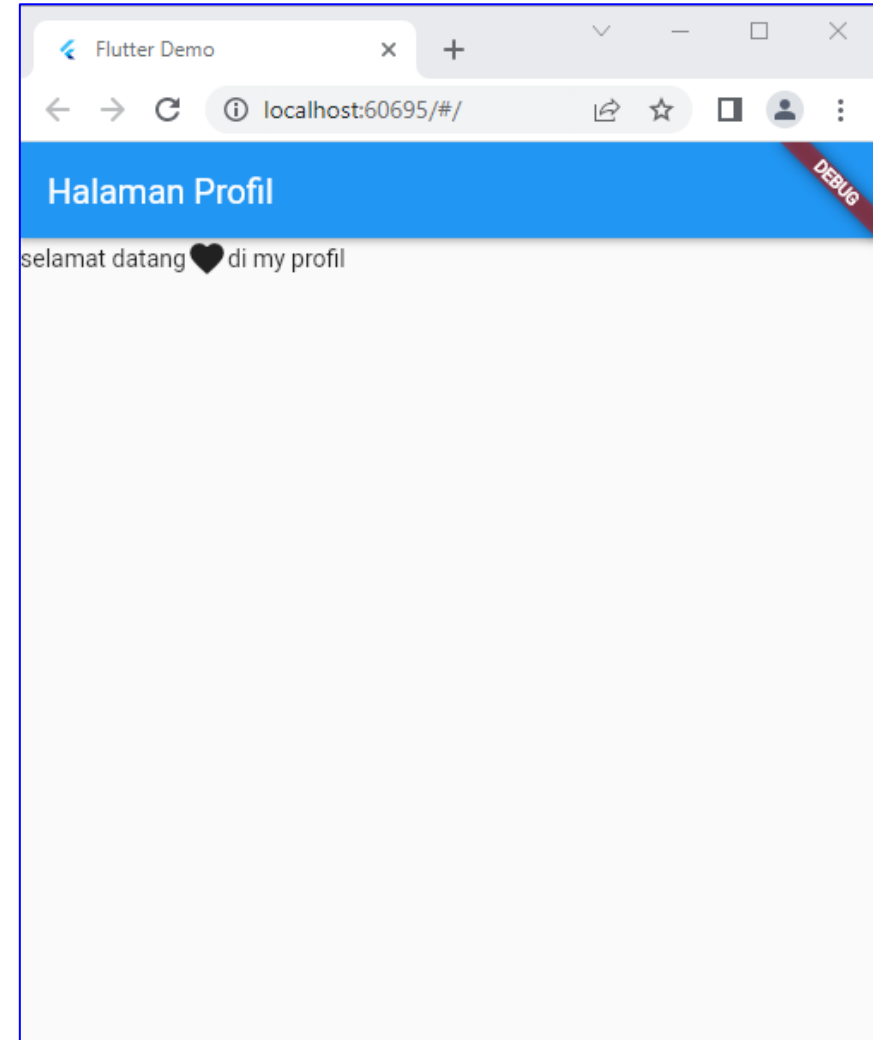
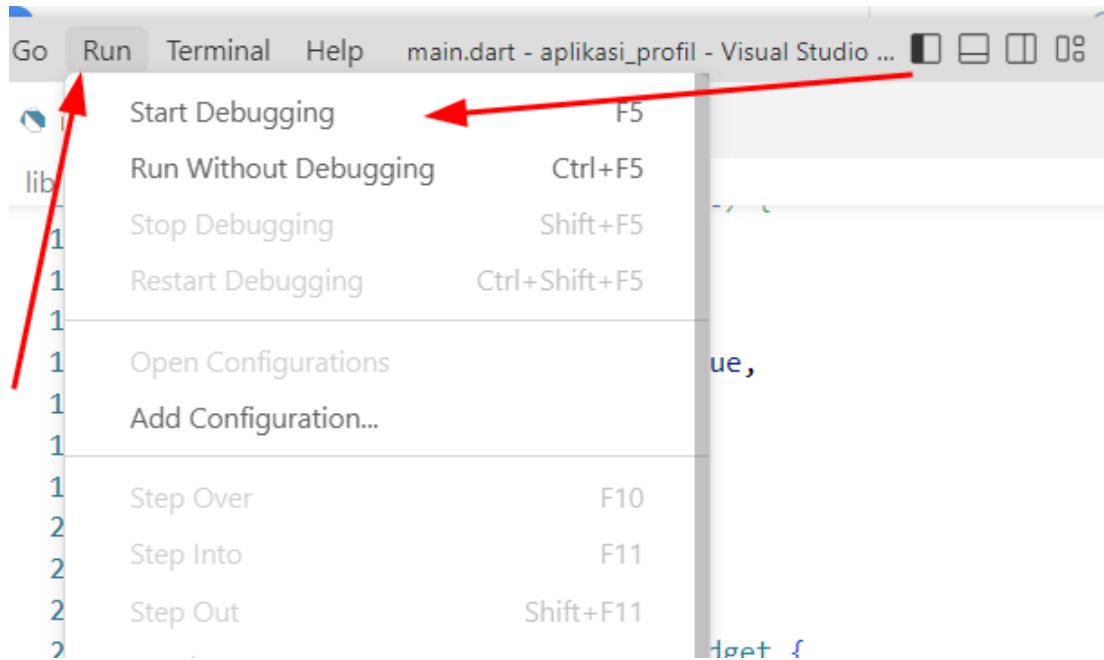
# Arsitektur aplikasi flutter, hello world



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```
View Go ... main.dart - aplikasi_profil - Vis...     -   
... main.dart x   ...
lib > main.dart > HomePage
13     return MaterialApp(
14         title: 'Flutter Demo',
15         theme: ThemeData(
16             primarySwatch: Colors.blue,
17         ), // ThemeData
18         home: HomePage(),
19     ); // MaterialApp
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23 class HomePage extends StatelessWidget {
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```

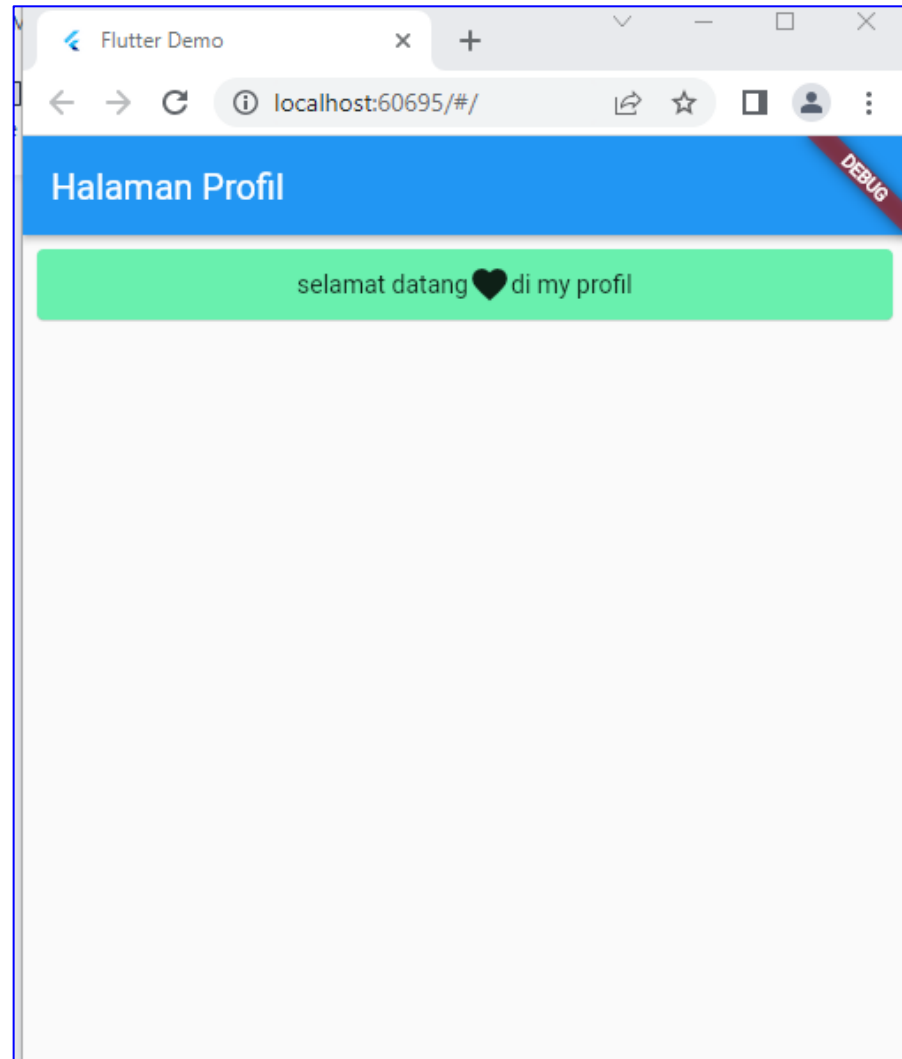
# Arsitektur aplikasi flutter, hello world



# Arsitektur aplikasi flutter, hello world

```
class HomePage extends StatelessWidget {  
  const HomePage({super.key});  
  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      appBar: AppBar(  
        title: Text('Halaman Profil'),  
      ),  
      body: Card(  
        margin: EdgeInsets.all(8),  
        color: Colors.greenAccent,  
        child: Padding(  
          padding: const EdgeInsets.all(8.0),  
          child: Row(  
            mainAxisAlignment: MainAxisAlignment.center,  
            children: [  
              Text('selamat datang'),  
              Icon(Icons.favorite),  
              Text('di my profil')  
            ],  
          ),  
        ),  
      ),  
    );  
  }  
}
```

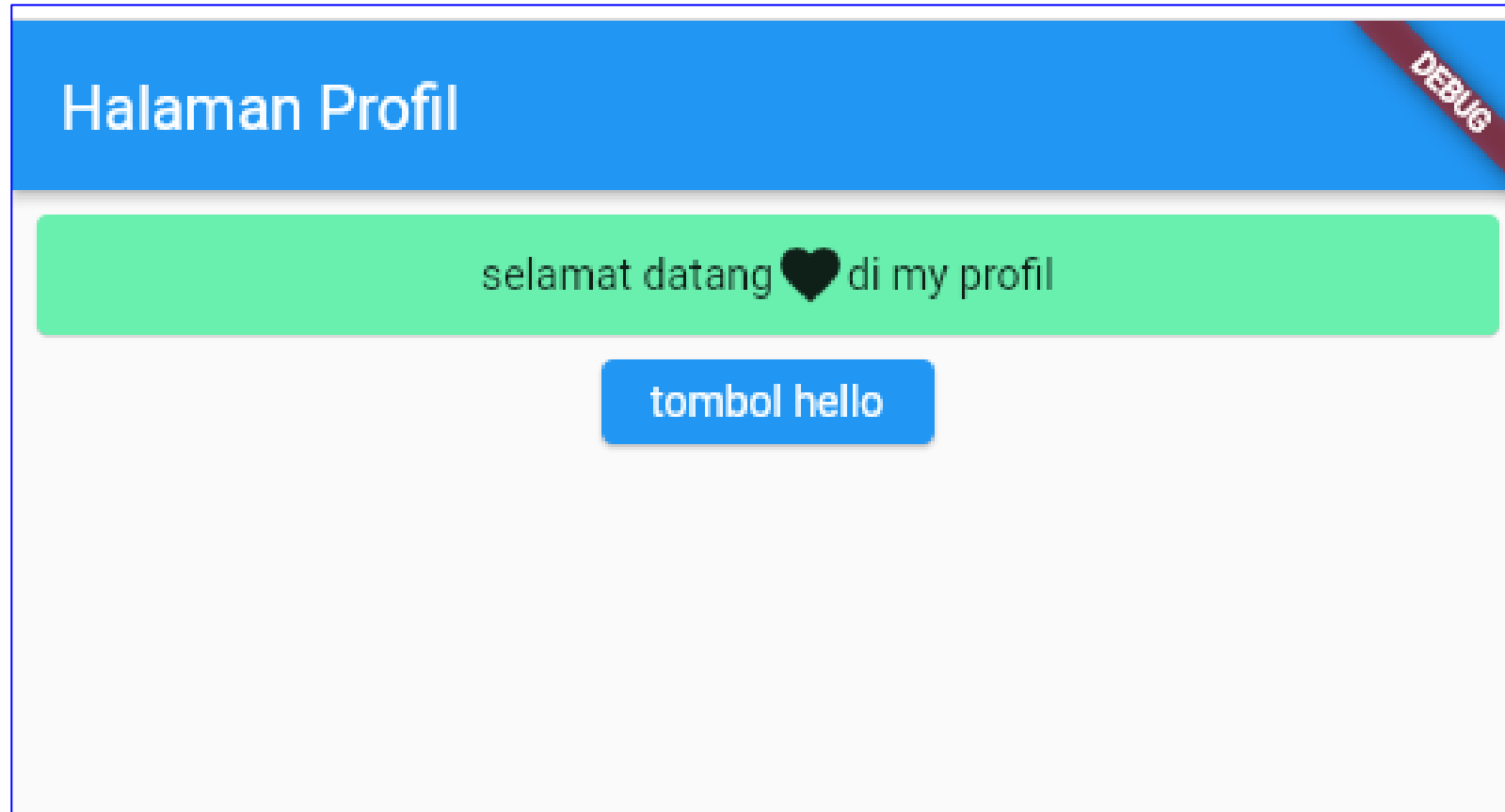
# Arsitektur aplikasi flutter, hello world



# Arsitektur aplikasi flutter, hello world

```
class HomePage extends StatelessWidget {  
  const HomePage({super.key});  
  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      appBar: AppBar(  
        title: Text('Halaman Profil'),  
      ), // AppBar  
      body: Column( ←  
        children: [  
          Card(  
            margin: EdgeInsets.all(8),  
            color: Colors.greenAccent,  
            child: Padding(  
              padding: const EdgeInsets.all(8.0),  
              child: Row(  
                mainAxisAlignment: MainAxisAlignment.center,  
                children: [  
                  Text('selamat datang'),  
                  Icon(Icons.favorite),  
                  Text('di my profil')  
                ],  
              ), // Row  
            ), // Padding  
          ), // Card  
          ElevatedButton(  
            onPressed: () {  
              print('ucapkan halo');  
            },  
            child: Text('tombol hello'),  
          ), // ElevatedButton  
        ],  
      ), // Column  
    ); // Scaffold  
  }  
}
```

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