

Nama : Ahmad Franklyn Bima Aquilla  
Kelas : SIB 3F – 02  
NIM : 2341760027  
Matkul : Pemrograman Mobile  
Dosen : Ade Ismail, S.Kom., M.TI.  
GitHub : [https://github.com/JustQuill25/flutter\\_plugin\\_pubdev](https://github.com/JustQuill25/flutter_plugin_pubdev)

# MANAJEMEN PLUGIN

## 1. Buat Proyek Baru

```
PS D:\Pemrograman Mobile\Jobsheet 6> flutter create flutter_plugin_pubdev
Creating project flutter_plugin_pubdev...
Resolving dependencies in `flutter_plugin_pubdev`... (1.1s)
Downloading packages...
Got dependencies in `flutter_plugin_pubdev`.
Wrote 130 files.

All done!
You can find general documentation for Flutter at: https://docs.flutter.dev/
Detailed API documentation is available at: https://api.flutter.dev/
If you prefer video documentation, consider: https://www.youtube.com/c/flutterdev

In order to run your application, type:

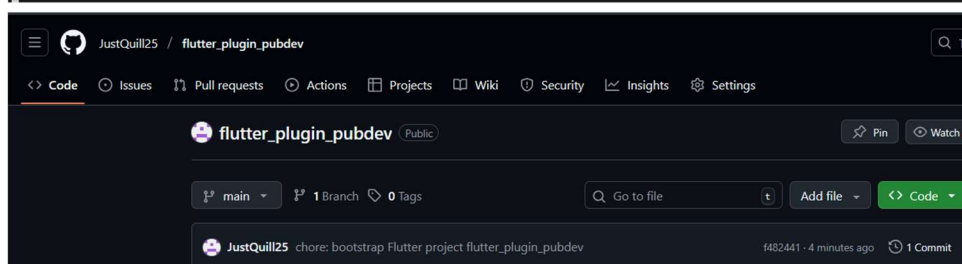
$ cd flutter_plugin_pubdev
$ flutter run

Your application code is in flutter_plugin_pubdev\lib\main.dart.

PS D:\Pemrograman Mobile\Jobsheet 6> █
```

```
PS D:\Pemrograman Mobile\Jobsheet 6> cd flutter_plugin_pubdev
PS D:\Pemrograman Mobile\Jobsheet 6\flutter_plugin_pubdev> git init
Initialized empty Git repository in D:\Pemrograman Mobile\Jobsheet 6\flutter_plugin_pubdev\.git/
PS D:\Pemrograman Mobile\Jobsheet 6\flutter_plugin_pubdev> git add .
warning: in the working copy of '.metadata', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'linux/flutter/generated_plugin_registrant.cc', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'linux/flutter/generated_plugin_registrant.h', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'linux/flutter/generated_plugins.cmake', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'macos/Flutter/GeneratedPluginRegistrant.swift', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'pubspec.lock', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'windows/flutter/generated_plugin_registrant.cc', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'windows/flutter/generated_plugin_registrant.h', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'windows/flutter/generated_plugins.cmake', LF will be replaced by CRLF the next time Git touches it
PS D:\Pemrograman Mobile\Jobsheet 6\flutter_plugin_pubdev> git commit -m "chore: bootstrap Flutter project flutter_plugin_pubdev"
[master (root-commit) f482441] chore: bootstrap Flutter project flutter_plugin_pubdev
129 files changed, 4949 insertions(+)
```

```
PS D:\Pemrograman Mobile\Jobsheet 6\flutter_plugin_pubdev> git remote set-url origin https://github.com/justquill25/flutter_plugin_pubdev.git
PS D:\Pemrograman Mobile\Jobsheet 6\flutter_plugin_pubdev> git branch -M main
PS D:\Pemrograman Mobile\Jobsheet 6\flutter_plugin_pubdev> git push -u origin main
Enumerating objects: 179, done.
Counting objects: 100% (179/179), done.
Delta compression using up to 8 threads
Compressing objects: 100% (148/148), done.
Writing objects: 100% (179/179), 267.52 KiB | 3.11 MiB/s, done.
Total 179 (delta 28), reused 0 (delta 0), pack-reused 0 (from 0)
```



## 2. Menambahkah Plugin

```
PS D:\Pemrograman Mobile\Jobsheet 6\flutter_plugin_pubdev> flutter pub add auto_size_text
>>
Resolving dependencies...
Downloading packages...
+ auto_size_text 3.0.0
  characters 1.4.0 (1.4.1 available)
  flutter_lints 5.0.0 (6.0.0 available)
  lints 5.1.1 (6.0.0 available)
  material_color_utilities 0.11.1 (0.13.0 available)
  meta 1.16.0 (1.17.0 available)
  test_api 0.7.6 (0.7.7 available)
Changed 1 dependency!
6 packages have newer versions incompatible with dependency constraints.
Try `flutter pub outdated` for more information.
PS D:\Pemrograman Mobile\Jobsheet 6\flutter_plugin_pubdev>

30 dependencies:
31   flutter:
32     sdk: flutter
33
34   # The following adds the Cupertino Icons font to your application.
35   # Use with the CupertinoIcons class for iOS style icons.
36   cupertino_icons: ^1.0.8
37   auto_size_text: ^3.0.0
```

## 3. Buat file red\_text\_widget.dart

```
red_text_widget.dart U X
flutter_plugin_pubdev > lib > red_text_widget.dart > RedTextWidget
1 import 'package:flutter/material.dart';
2
3 class RedTextWidget extends StatelessWidget {
4   const RedTextWidget({Key? key}) : super(key: key);
5
6   @override
7   Widget build(BuildContext context) {
8     return Container();
9   }
10 }
```

## 4. Tambah Widget AutoSizeText

```
red_text_widget.dart 2, U X
flutter_plugin_pubdev > lib > red_text_widget.dart > RedTextWidget
1 import 'package:flutter/material.dart';
2
3 class RedTextWidget extends StatelessWidget {
4   const RedTextWidget({Key? key}) : super(key: key);
5
6   @override
7   Widget build(BuildContext context) {
8     return AutoSizeText(
9       text,
10      style: const TextStyle(color: Colors.red, fontSize: 14),
11      maxLines: 2,
12      overflow: TextOverflow.ellipsis,
13    );
14   }
15 }
```

- **Plugin belum diimpor ke file :** Kelas AutoSizeText berasal dari package auto\_size\_text, sedangkan di file red\_text\_widget.dart belum menulis baris import-nya. Jadi, Flutter tidak tahu dari mana kelas tersebut berasal.

- **Variabel text belum dideklarasikan** : Di dalam widget, langsung menuliskan text, tetapi variabel itu **belum dibuat atau didefinisikan** di kelas RedTextWidget. Flutter tidak tahu apa isi text itu.

5. Buat Variable Text dan Parameter di Contructor

```
4 class RedTextWidget extends StatelessWidget {  
5   // ✅ 1. deklarasi variabel  
6   final String text;  
7  
8   // ✅ 2. tambahkan parameter di constructor  
9   const RedTextWidget({Key? key, required this.text}) : super(key: key);  
10 }
```

6. Tambahkan Widget di main.dart

```
55 Container(  
56   color: Colors.yellowAccent,  
57   width: 50,  
58   margin: const EdgeInsets.only(bottom: 16),  
59   child: const RedTextWidget(  
60     text: 'You have pushed the button this many times:',  
61   ), // RedTextWidget  
62 ), // Container  
63 Container(  
64   color: Colors.greenAccent,  
65   width: 100,  
66   margin: const EdgeInsets.only(bottom: 16),  
67   child: const Text(  
68     'You have pushed the button this many times:',  
69     style: TextStyle(color: Colors.black, fontSize: 14),  
70     maxLines: 2,  
71     overflow: TextOverflow.ellipsis,  
72   ), // Text  
73 ), // Container
```

