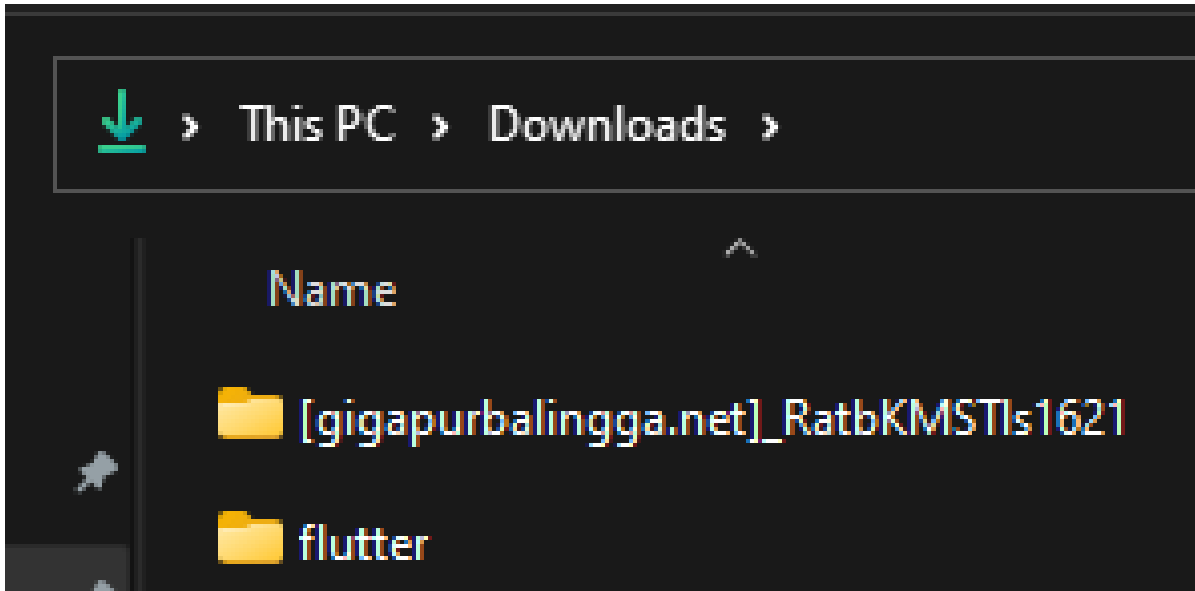
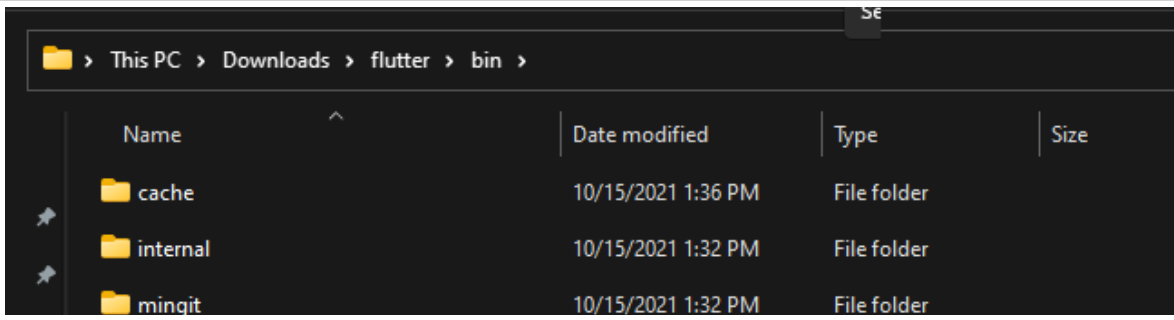
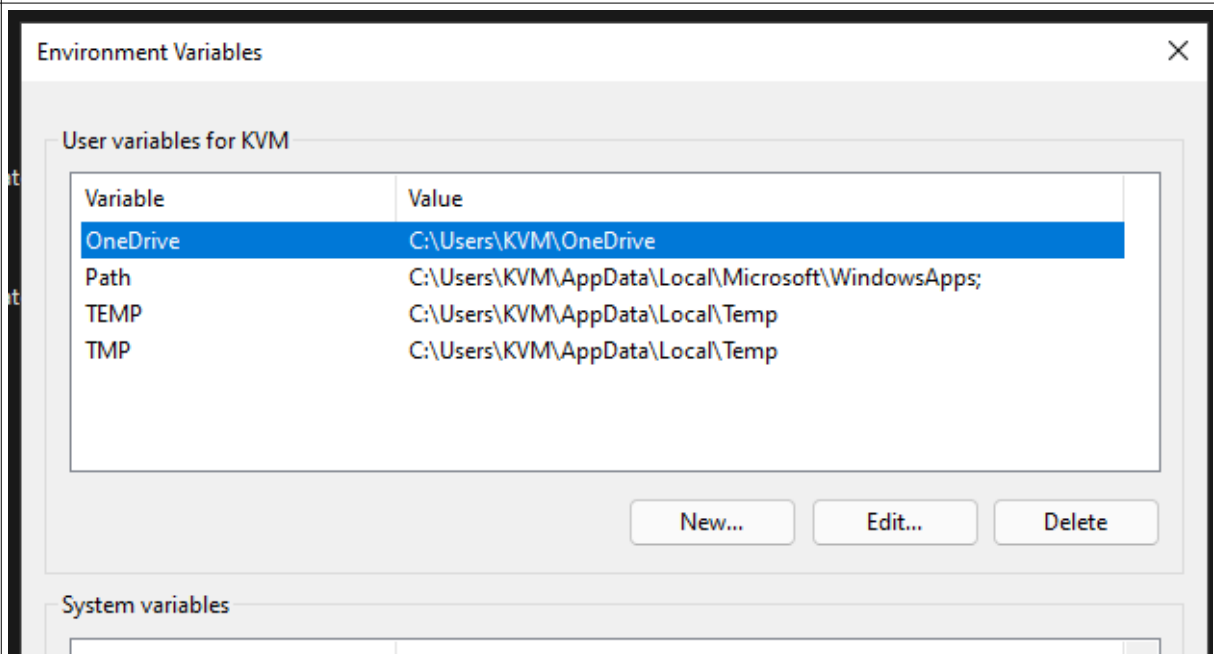
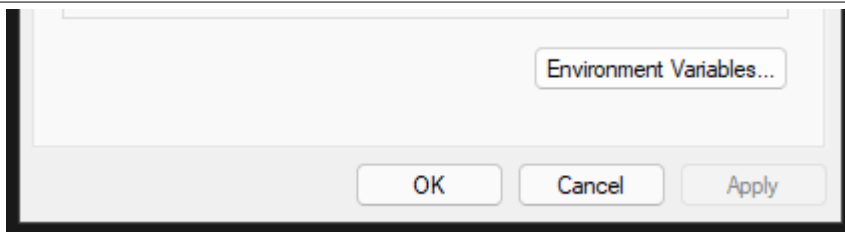
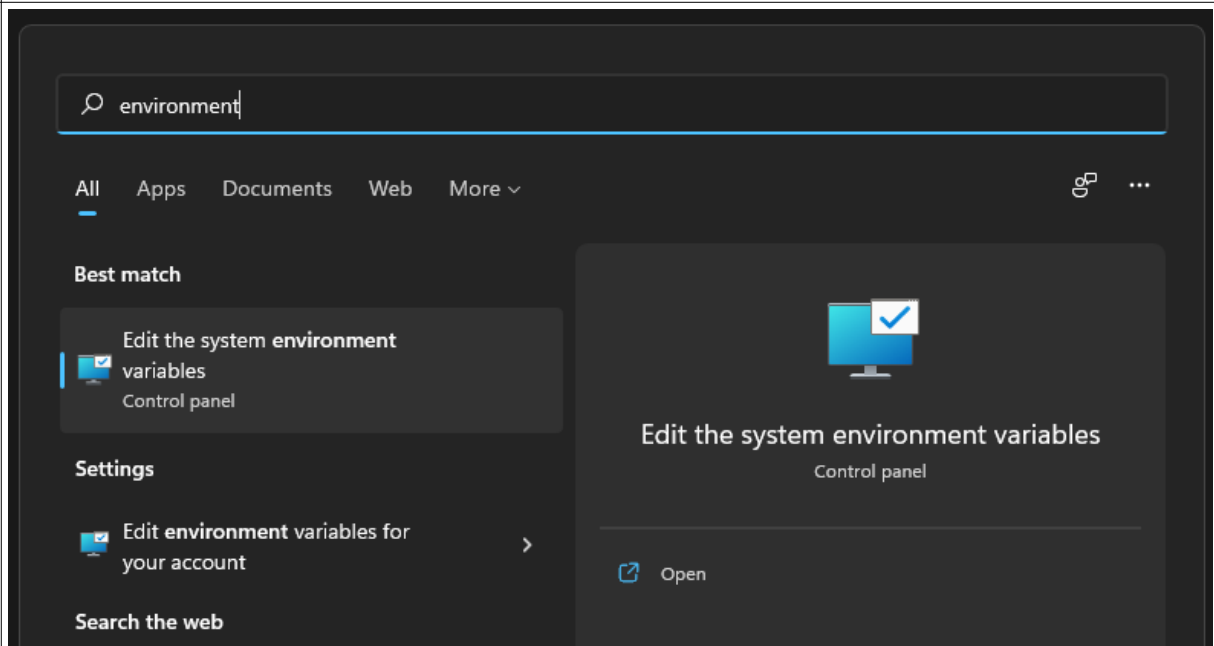


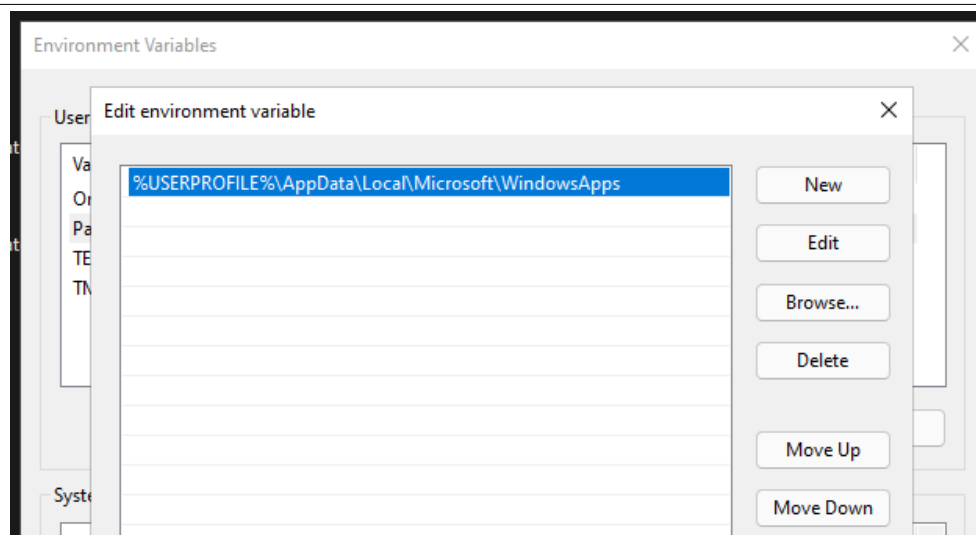
Praktikum 5 – Mobile Application

No	Langkah-langkah																
1	(Untuk Windows)																
	Buka website https://flutter.dev/docs/get-started/install/windows lalu Download Flutter .																
	<div><h2>Get the Flutter SDK</h2><p>1. Download the following installation bundle to get the latest stable release of the Flutter SDK:</p><div>flutter_windows_2.5.3-stable.zip</div><p>For other release channels, and older builds, see the SDK releases page.</p><p>2. Extract the zip file and place the contained <code>flutter</code> in the desired installation location for the Flutter SDK (for example, <code>C:\Users\<your-user-name>\Documents</code>).</p></div>																
2	Ketika sudah selesai, Extract ke Folder Tersebut untuk kemudahan akses																
																	
3	Buka folder flutter/bin , dan Copy alamat folder tersebut																
	 <table><thead><tr><th>Name</th><th>Date modified</th><th>Type</th><th>Size</th></tr></thead><tbody><tr><td>cache</td><td>10/15/2021 1:36 PM</td><td>File folder</td><td></td></tr><tr><td>internal</td><td>10/15/2021 1:32 PM</td><td>File folder</td><td></td></tr><tr><td>mingit</td><td>10/15/2021 1:32 PM</td><td>File folder</td><td></td></tr></tbody></table>	Name	Date modified	Type	Size	cache	10/15/2021 1:36 PM	File folder		internal	10/15/2021 1:32 PM	File folder		mingit	10/15/2021 1:32 PM	File folder	
Name	Date modified	Type	Size														
cache	10/15/2021 1:36 PM	File folder															
internal	10/15/2021 1:32 PM	File folder															
mingit	10/15/2021 1:32 PM	File folder															

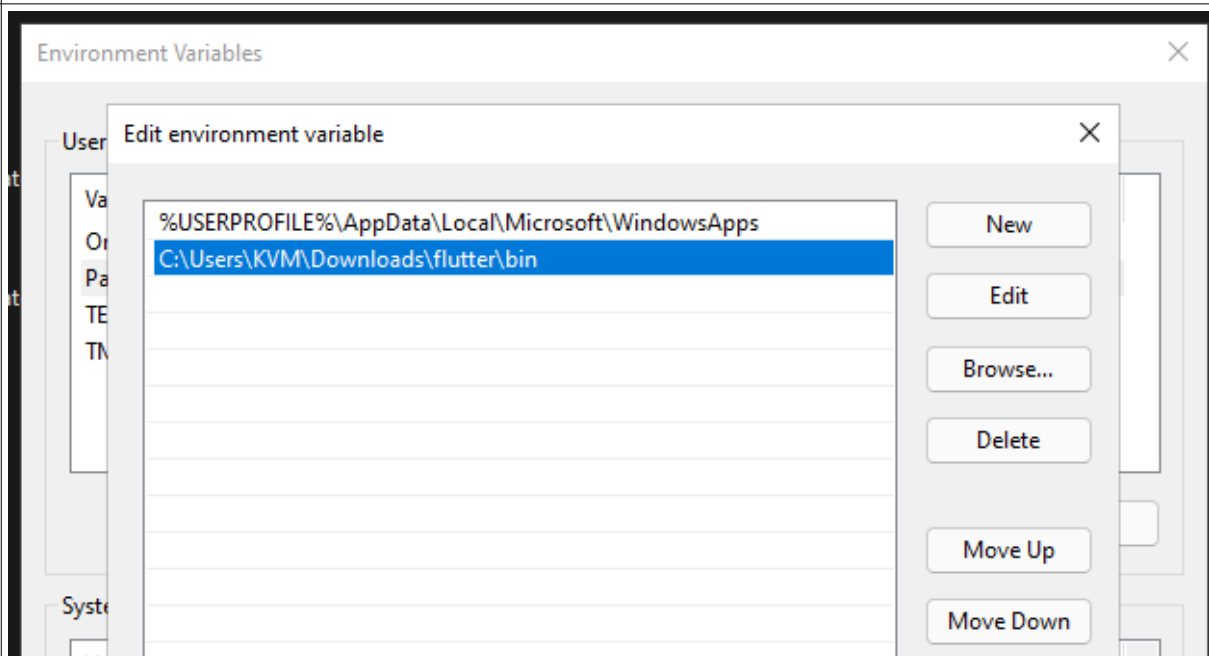
4 Buka **Enviroment Variables** melalui **Search**



5 Klik **Path** lalu pilih **Edit**



6 Klik **New**, dan masukkan alamat **folder Flutter** tadi



7 Klik **OK 3x** untuk menyimpan konfigurasi ini. Untuk mengetes apakah aplikasi **Flutter** sudah siap bukalah **CMD** dan ketikkan **flutter doctor**

```
C:\Windows\system32\cmd.exe - flutter doctor

Welcome to Flutter! - https://flutter.dev

The Flutter tool uses Google Analytics to anonymously report feature usage
statistics and basic crash reports. This data is used to help improve
Flutter tools over time.

Flutter tool analytics are not sent on the very first run. To disable
reporting, type 'flutter config --no-analytics'. To display the current
setting, type 'flutter config'. If you opt out of analytics, an opt-out
event will be sent, and then no further information will be sent by the
Flutter tool.

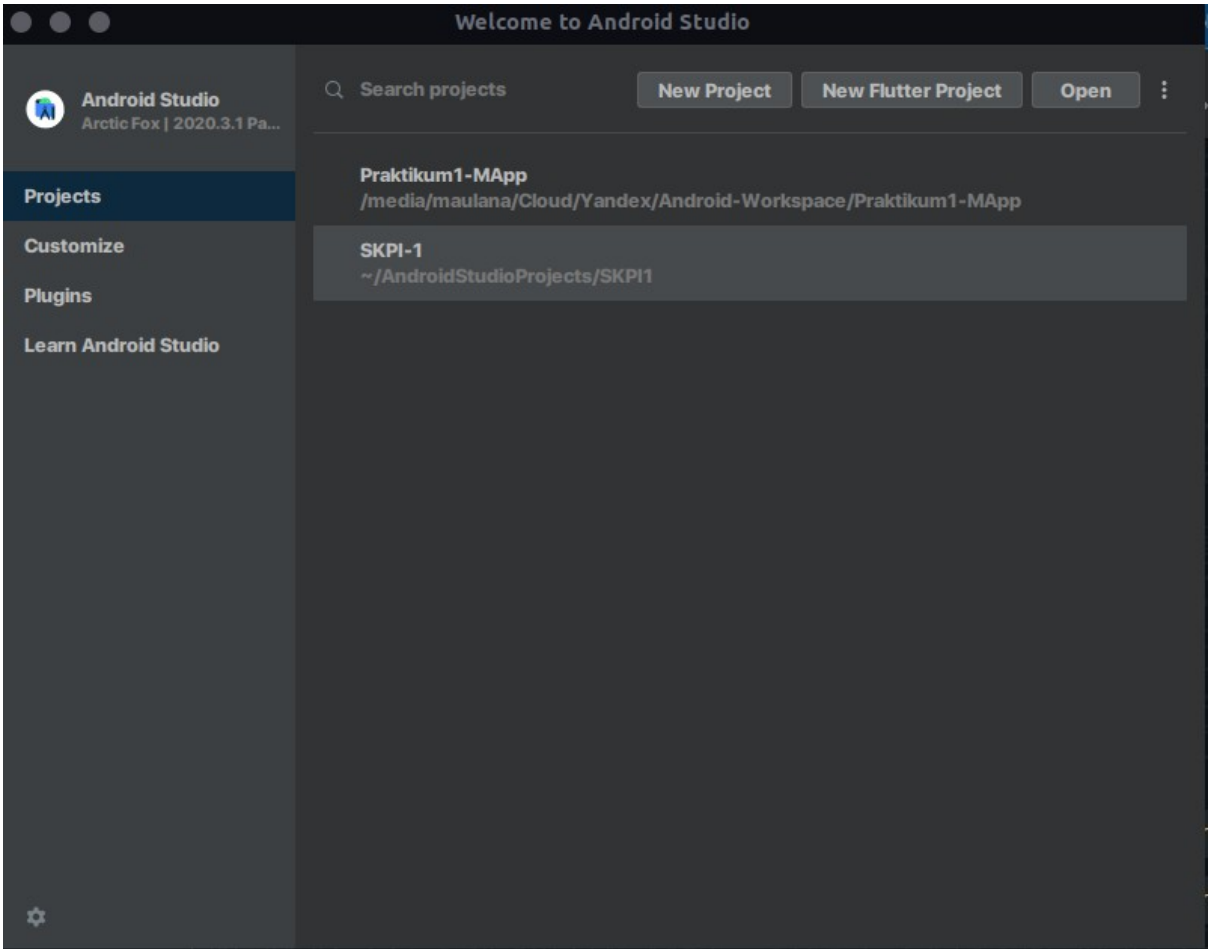
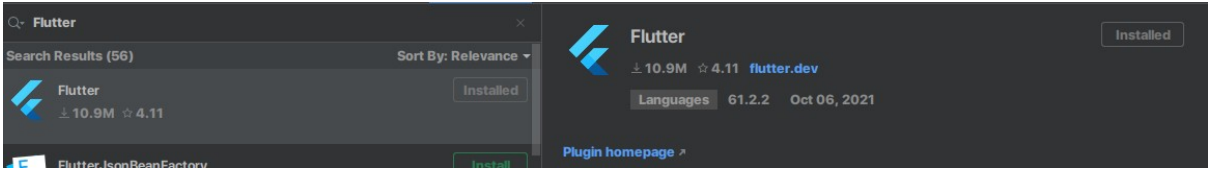
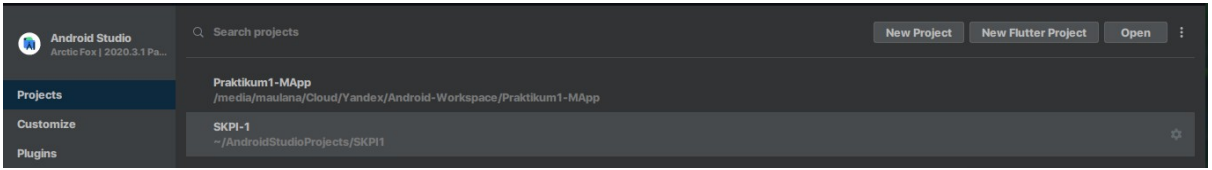
By downloading the Flutter SDK, you agree to the Google Terms of Service.
Note: The Google Privacy Policy describes how data is handled in this
service.

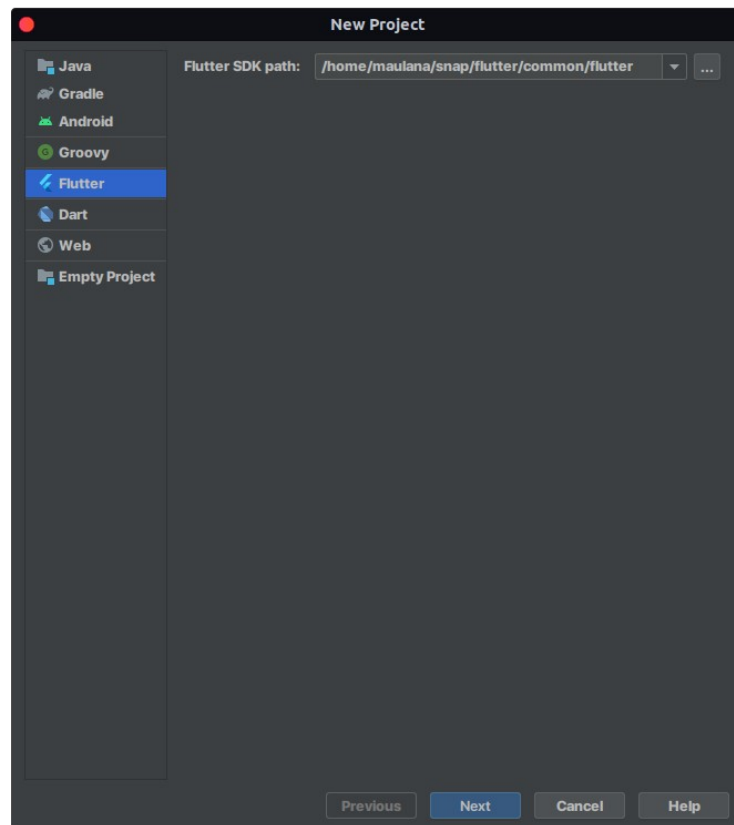
Moreover, Flutter includes the Dart SDK, which may send usage metrics and
crash reports to Google.

Read about data we send with crash reports:
https://flutter.dev/docs/reference/crash-reporting

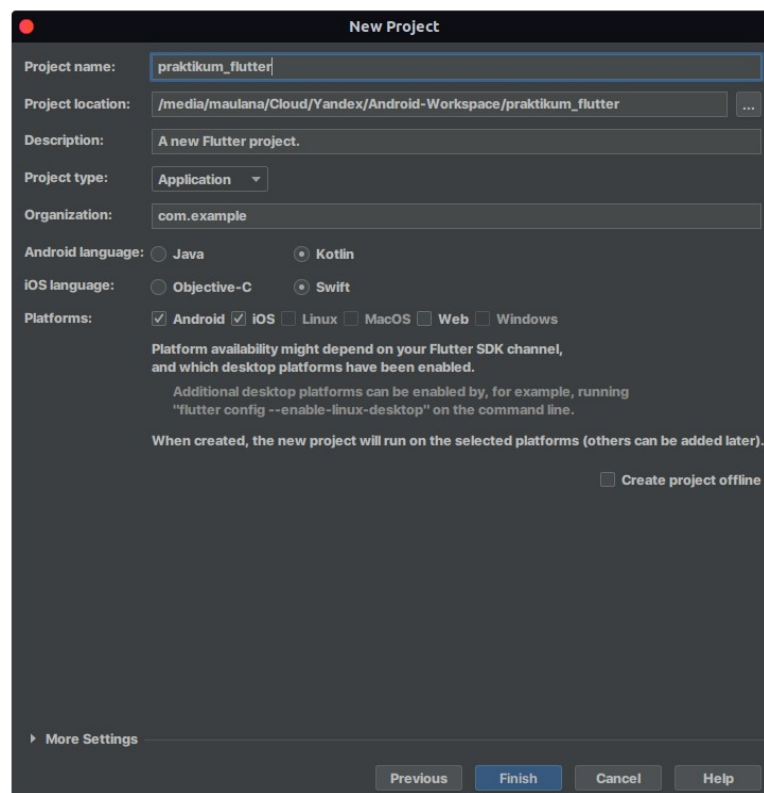
See Google's privacy policy:
https://policies.google.com/privacy

Running "flutter pub get" in flutter_tools...
```

8	Jika berhasil, lanjutkan tahap berikutnya ke Android Studio
9	Buka Android Studio , pastikan semua Project sudah di close sehingga menampilkan tampilan berikut
	
10	Klik Plugin dan carilah Flutter . Jika tidak terlihat, klik Search Market Place . Lalu Klik Install . Jika diminta install Dart , Klik OK.
	
11	Android Studio sudah siap untuk membuat aplikasi berbasis Flutter , Restart Android Studio dan akan muncul Button baru untuk membuat Flutter Project . Klik New Flutter Project
	
12	Window baru akan dibuka, pilih Flutter , Lalu klik Next . Pastikan SDK sudah benar

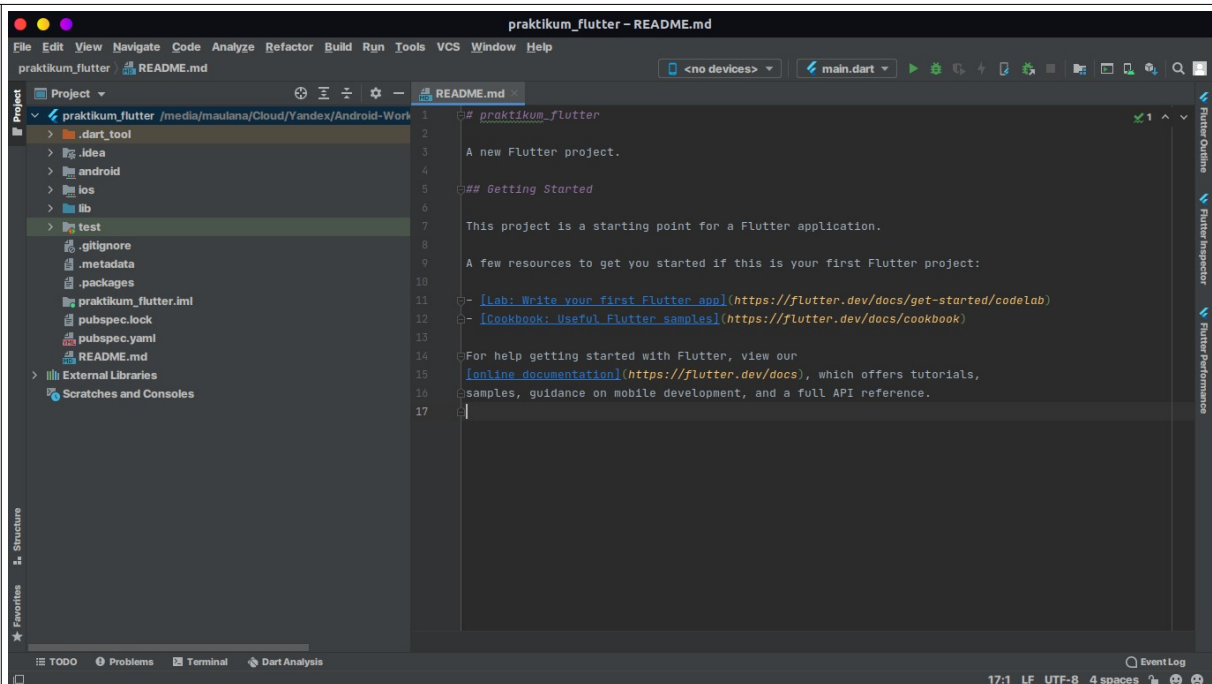


13 Beri nama **praktikum_flutter**, lalu klik **Finish**

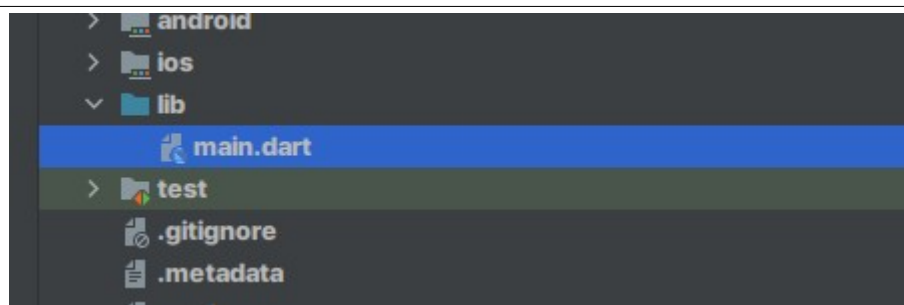


14 Tunggu **Android Studio** selesai mengatur semua file yang dibutuhkan

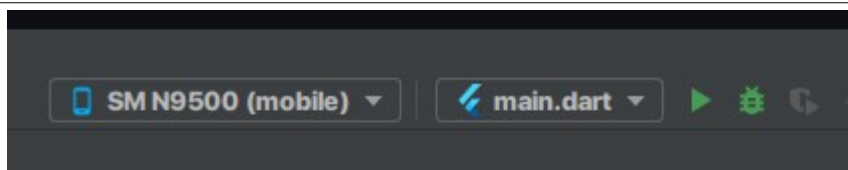
15 **Projek Flutter** yang sudah selesai akan ditampilkan seperti berikut



- 16 Berbeda dengan Praktikum Android sebelumnya, layout yang tadinya diakses via **res/layout** diganti ke **lib/*.dark**. Buka folder **lib**, dan edit file **main.dart**



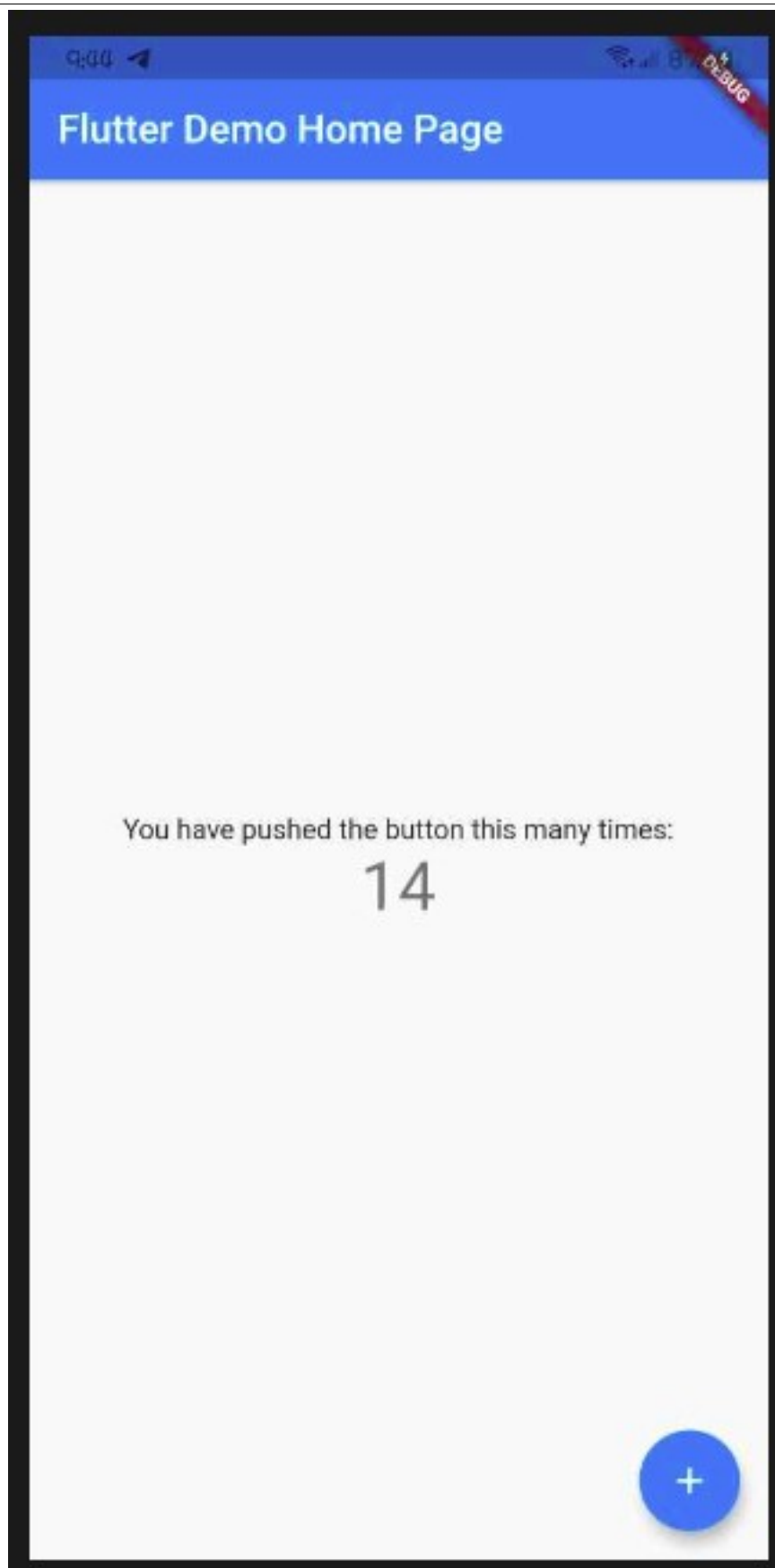
- 17 File ini berisikan konfigurasi tampilan (warna dan lain-lain) dan layout dari aplikasi itu sendiri. **Test Run** file **main.dart** tersebut. Proses bisa memakan waktu cukup lama.



- * Jika muncul error **Exception: null Flutter tool cannot access the file or directory**. Pastikan **SDK Flutter** sudah ditempatkan di lokasi yang benar maupun hak akses nya

```
Launching lib/main.dart on SM N9500 in debug mode...
Running Gradle task 'assembleDebug'...
Exception: null. The flutter tool cannot access the file or directory.
Please ensure that the SDK and/or project is installed in a location that has read/write permissions for the current user.
```

- 18 Hasil sukses



SELESAI