

# **LAPORAN PRAKTIKUM**

## **01 – RUNNING MODUL**



Disusun oleh:

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2211104060

SE-06-02

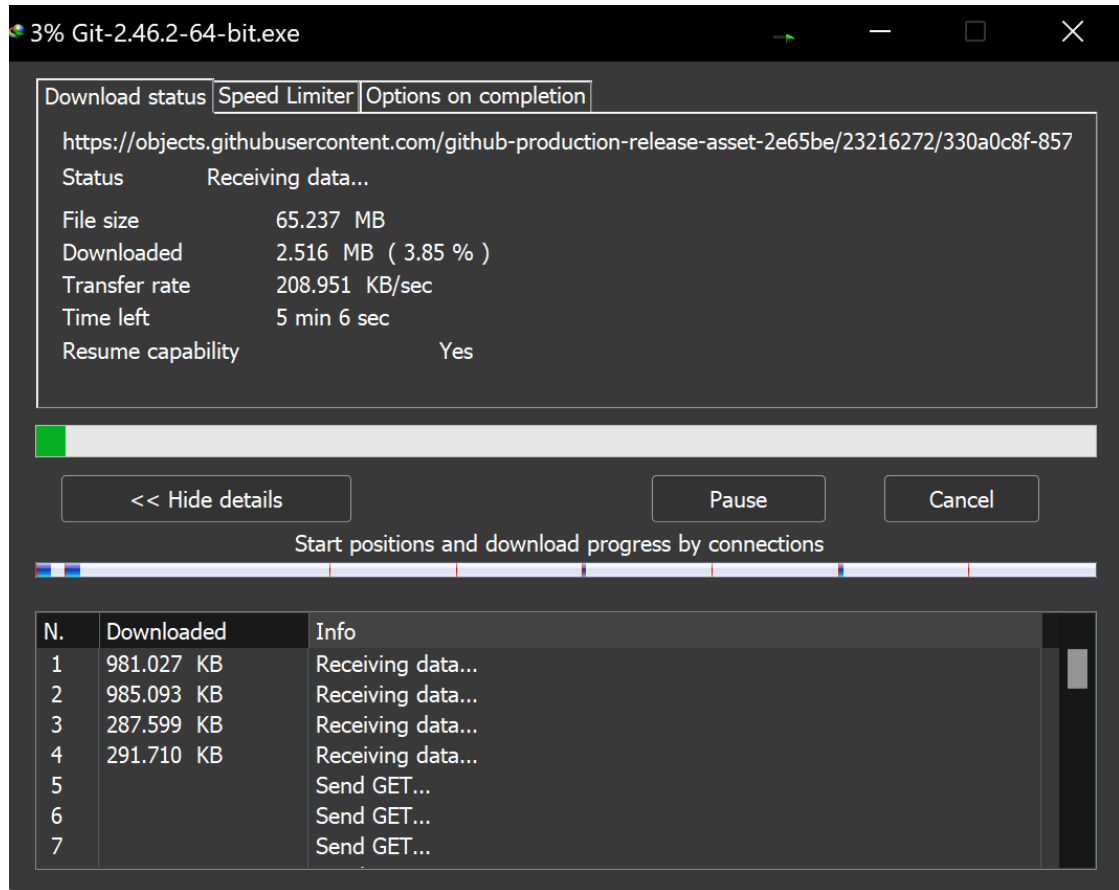
**PROGRAM STUDI S1 REKAYASA PERANGKAT LUNAK**

**FAKULTAS INFORMATIKA**

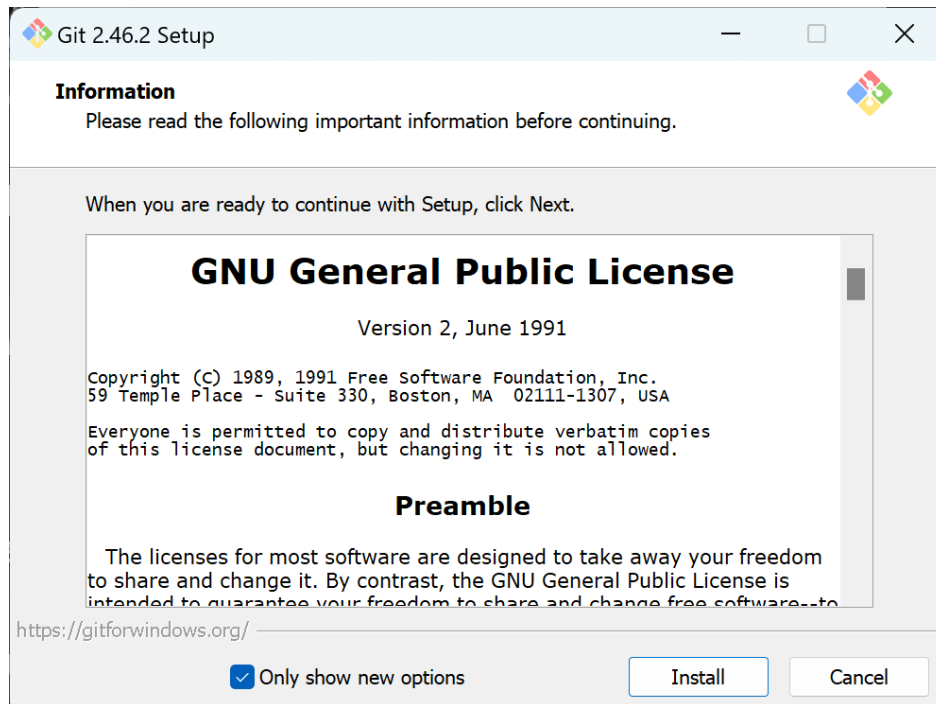
**TELKOM UNIVERSITY PURWOKERTO**

## 1. Instalasi Git

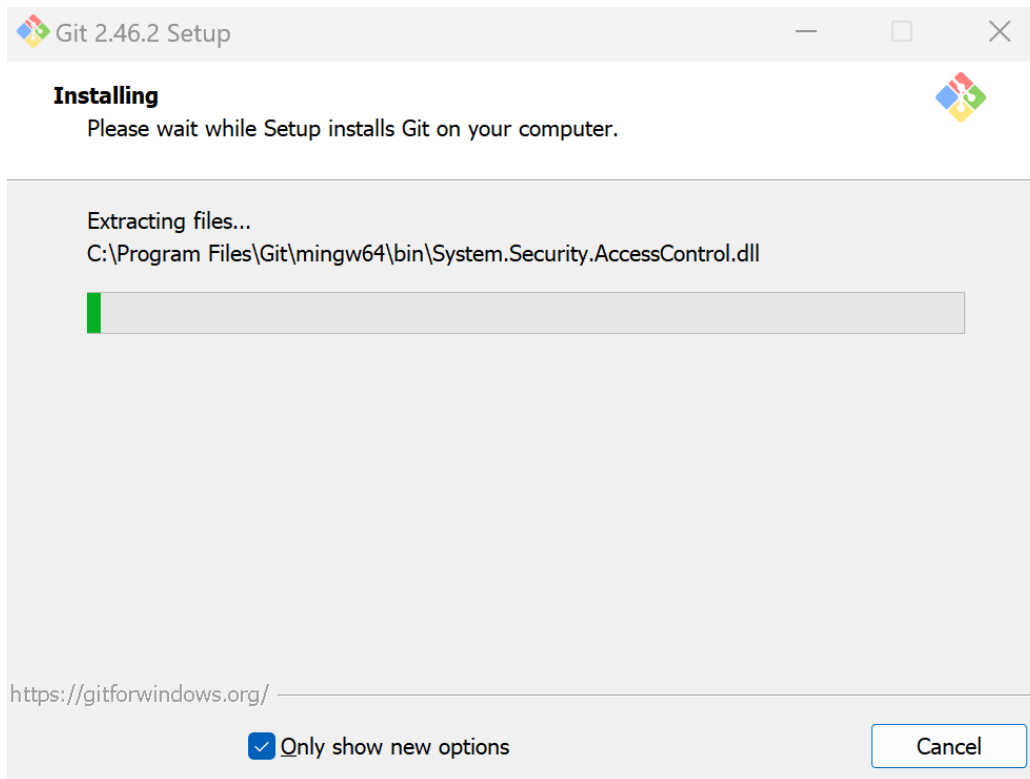
- Buka link <https://git-scm.com/downloads/win>, lalu download sesuai versi Windows kalian



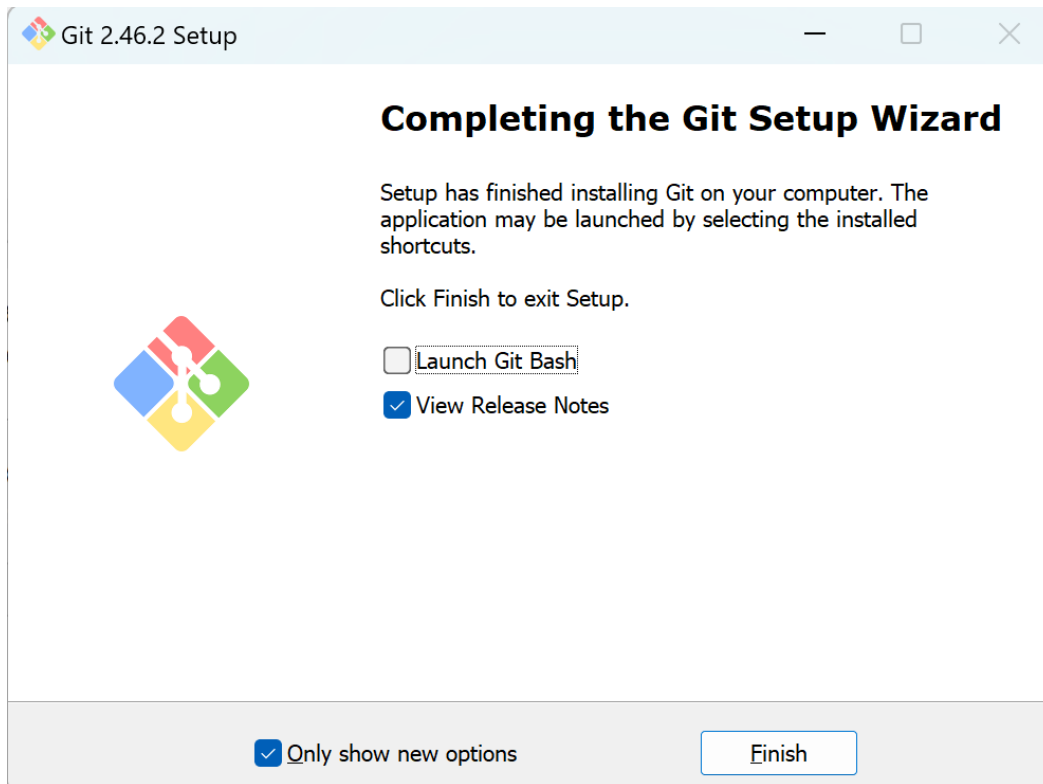
- b. Klik dua kali pada file yang sudah diunduh



- c. Klik install



d. Klik Finish



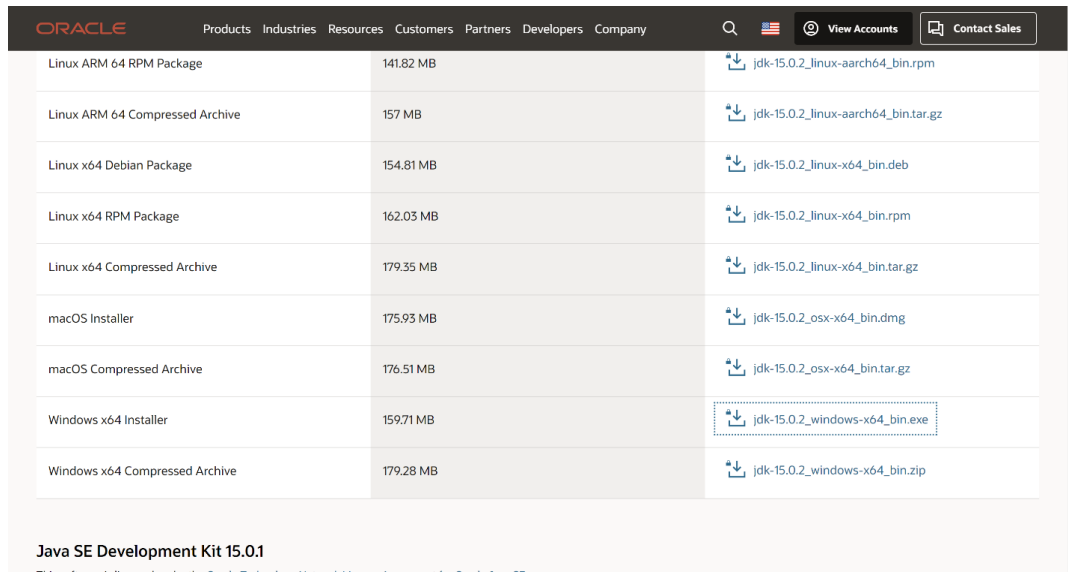
e. Cek versi Git pada cmd

```
Microsoft Windows [Version 10.0.22631.4169]
(c) Microsoft Corporation. All rights reserved.

C:\Users\dimas>git --version
git version 2.46.2.windows.1
```

## 2. Instalasi JDK

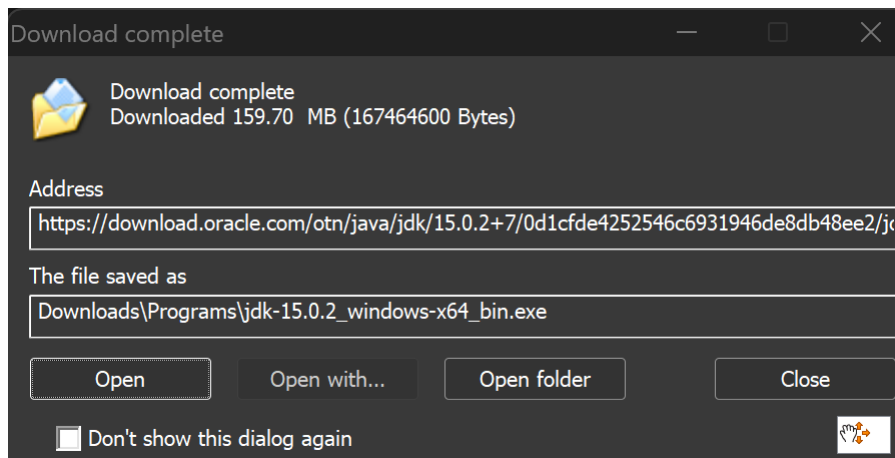
- Buka link <https://www.oracle.com/java/technologies/javase-jdk15-downloads.html>
- Pilih sesuai sistem operasi yang digunakan



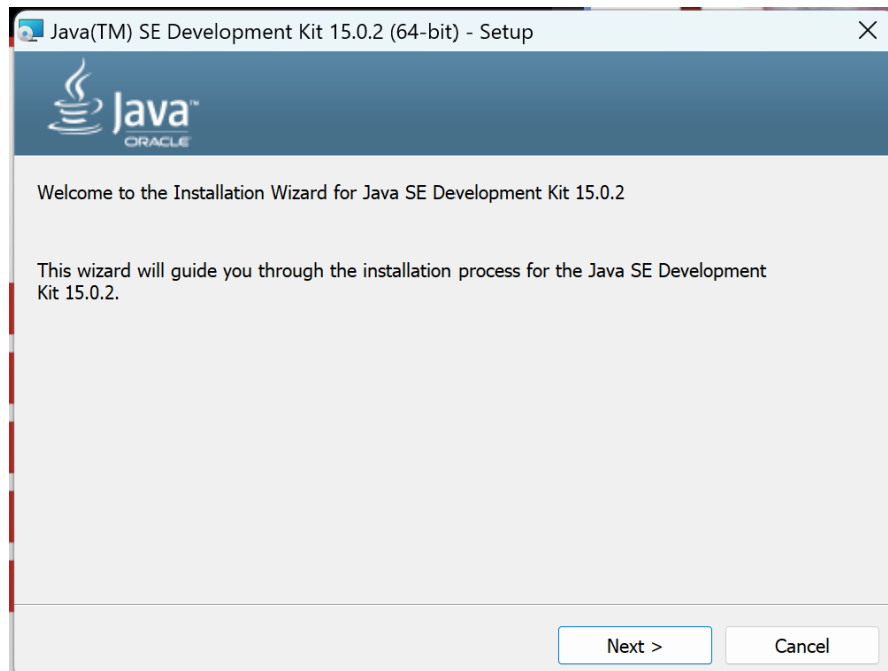
### c. Klik Download



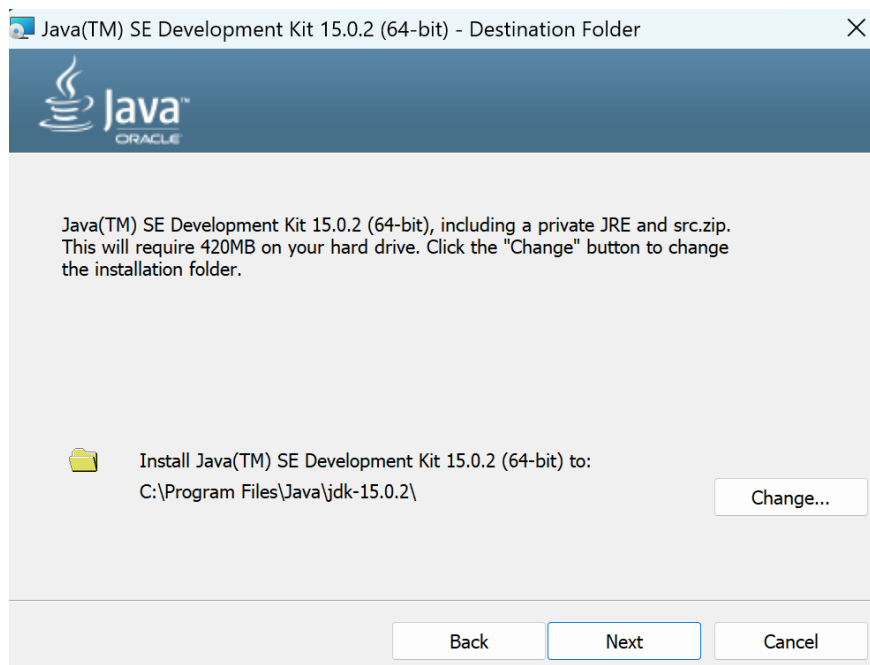
### d. Buka file yang telah didownload



e. Klik Next



f. Pilih Destinasi folder instalasi JDK, Lalu klik Next



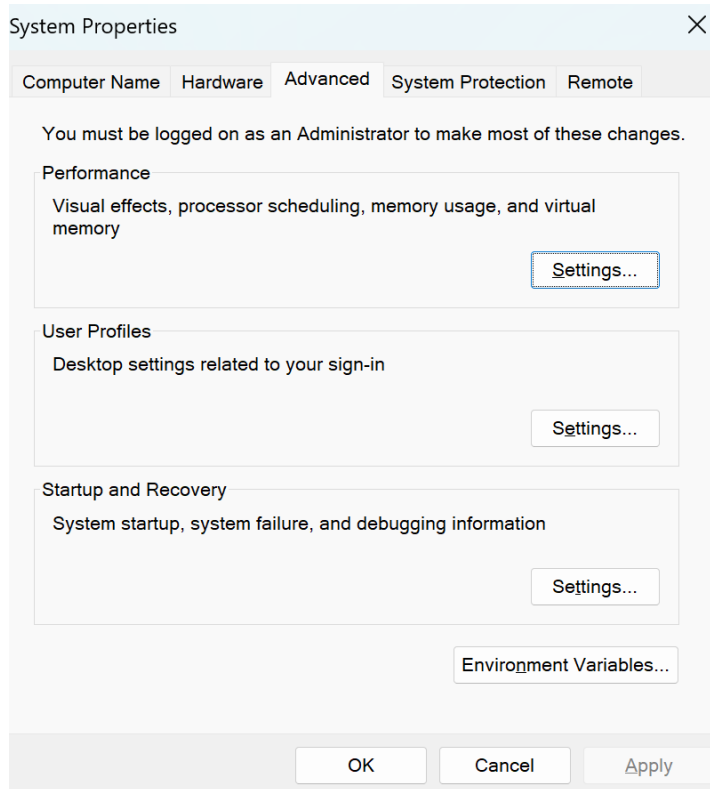
g. Tunggu sampai instalasi selesai



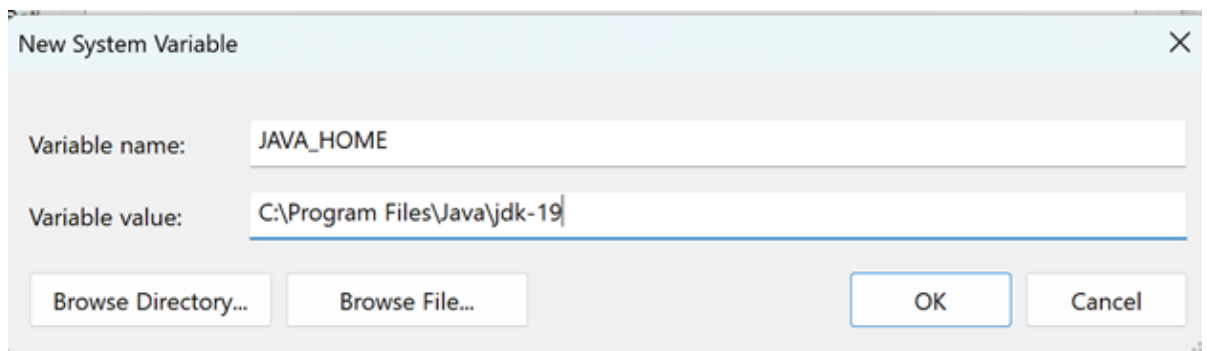
h. Klik finish



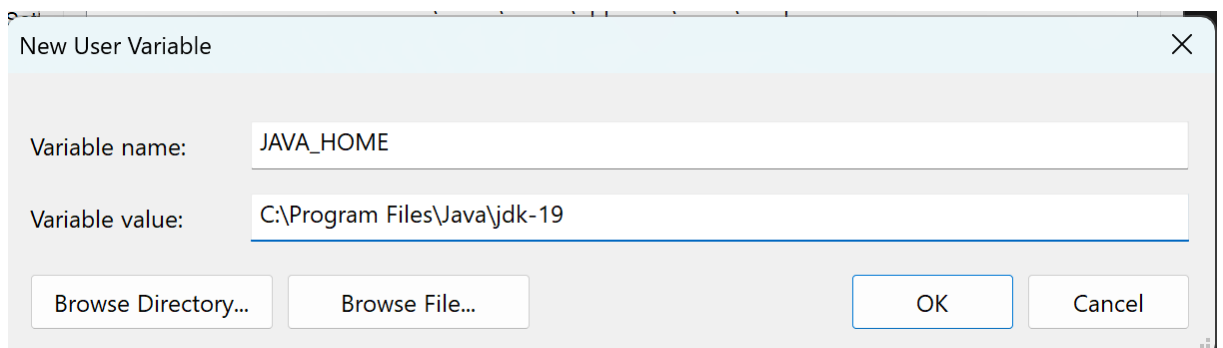
- i. Atur system environment variables untuk JDK dengan search Windows > Edit the system environment variables



- j. Buat variable dengan nama JAVA\_HOME seperti ini  
**System Variables > New dan User Variables > New**

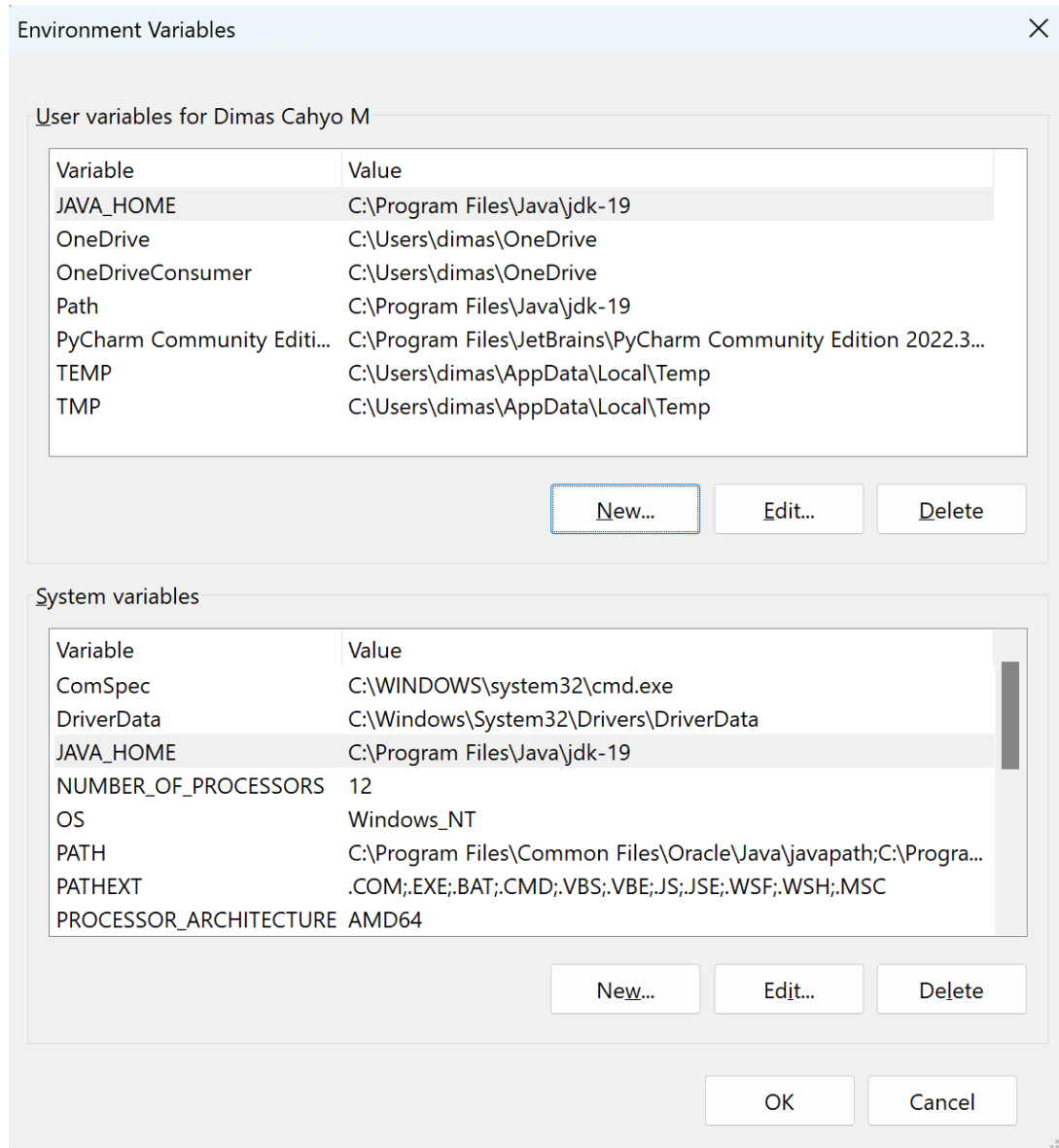


Jangan lupa user variable juga dibuat seperti ini



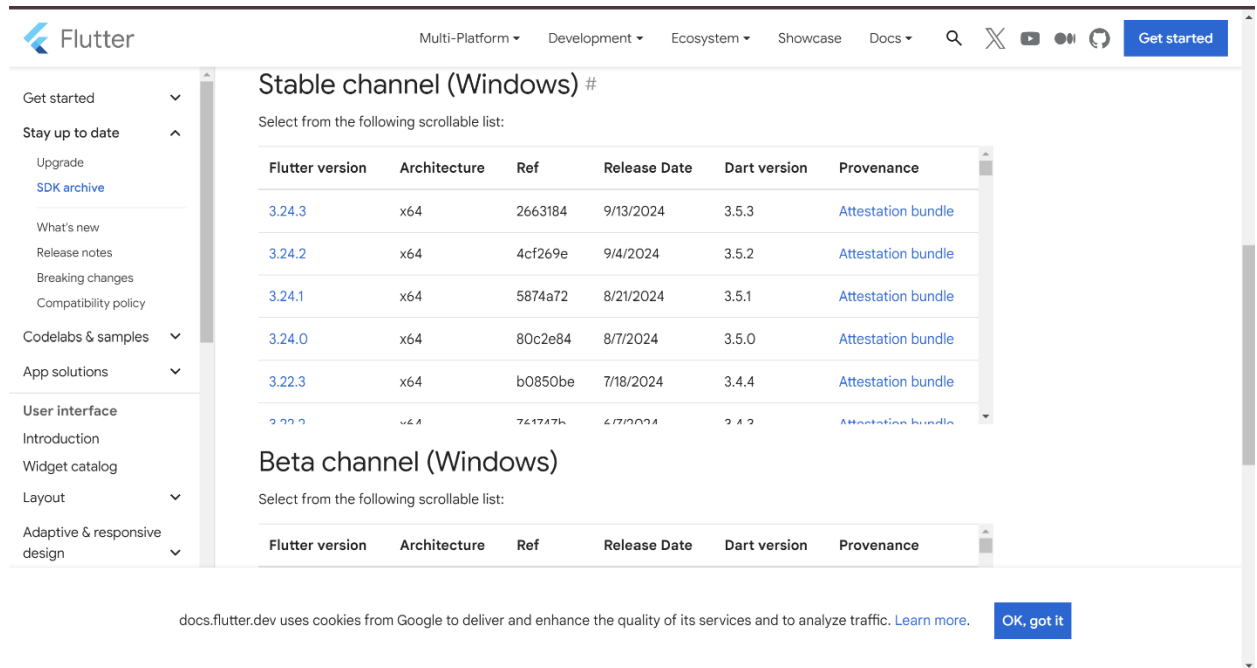


k. Tampilan user dan system variables akan seperti ini



### 3. Instalasi Flutter SDK

- a. Buka link <https://flutter.dev/docs/development/tools/sdk/releases>



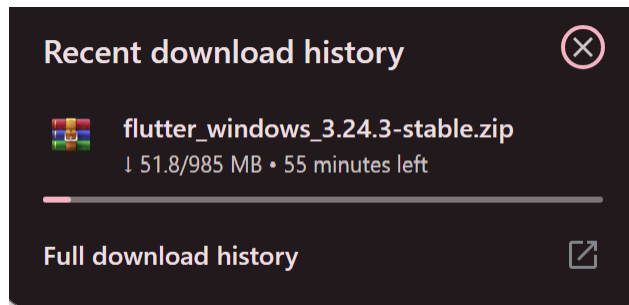
The screenshot shows the Flutter website's SDK releases page. The left sidebar contains navigation links like 'Get started', 'Stay up to date', 'What's new', 'Codelabs & samples', 'App solutions', 'User interface', 'Layout', and 'Adaptive & responsive design'. The main content area is titled 'Stable channel (Windows) #' and 'Beta channel (Windows)'. Both sections include a table of releases with columns for Flutter version, Architecture, Ref, Release Date, Dart version, and Provenance. The stable channel table lists versions 3.24.3, 3.24.2, 3.24.1, 3.24.0, and 3.22.3. The beta channel table lists versions 3.22.3, 3.22.2, 3.22.1, 3.22.0, and 3.21.0. A footer note states 'docs.flutter.dev uses cookies from Google to deliver and enhance the quality of its services and to analyze traffic. Learn more.' with an 'OK, got it' button.

Flutter version	Architecture	Ref	Release Date	Dart version	Provenance
3.24.3	x64	2663184	9/13/2024	3.5.3	<a href="#">Attestation bundle</a>
3.24.2	x64	4cf269e	9/4/2024	3.5.2	<a href="#">Attestation bundle</a>
3.24.1	x64	5874a72	8/21/2024	3.5.1	<a href="#">Attestation bundle</a>
3.24.0	x64	80c2e84	8/7/2024	3.5.0	<a href="#">Attestation bundle</a>
3.22.3	x64	b0850be	7/18/2024	3.4.4	<a href="#">Attestation bundle</a>

Flutter version	Architecture	Ref	Release Date	Dart version	Provenance
3.22.3	x64	741747b	4/7/2024	3.4.3	<a href="#">Attestation bundle</a>
3.22.2	x64	6b8c2e8	3/28/2024	3.4.2	<a href="#">Attestation bundle</a>
3.22.1	x64	5b8c2e8	3/21/2024	3.4.1	<a href="#">Attestation bundle</a>
3.22.0	x64	4b8c2e8	3/14/2024	3.4.0	<a href="#">Attestation bundle</a>
3.21.0	x64	3b8c2e8	3/7/2024	3.3.0	<a href="#">Attestation bundle</a>

Disarankan untuk memilih versi stable yang terbaru

- b. Tunggu sampai proses download selesai



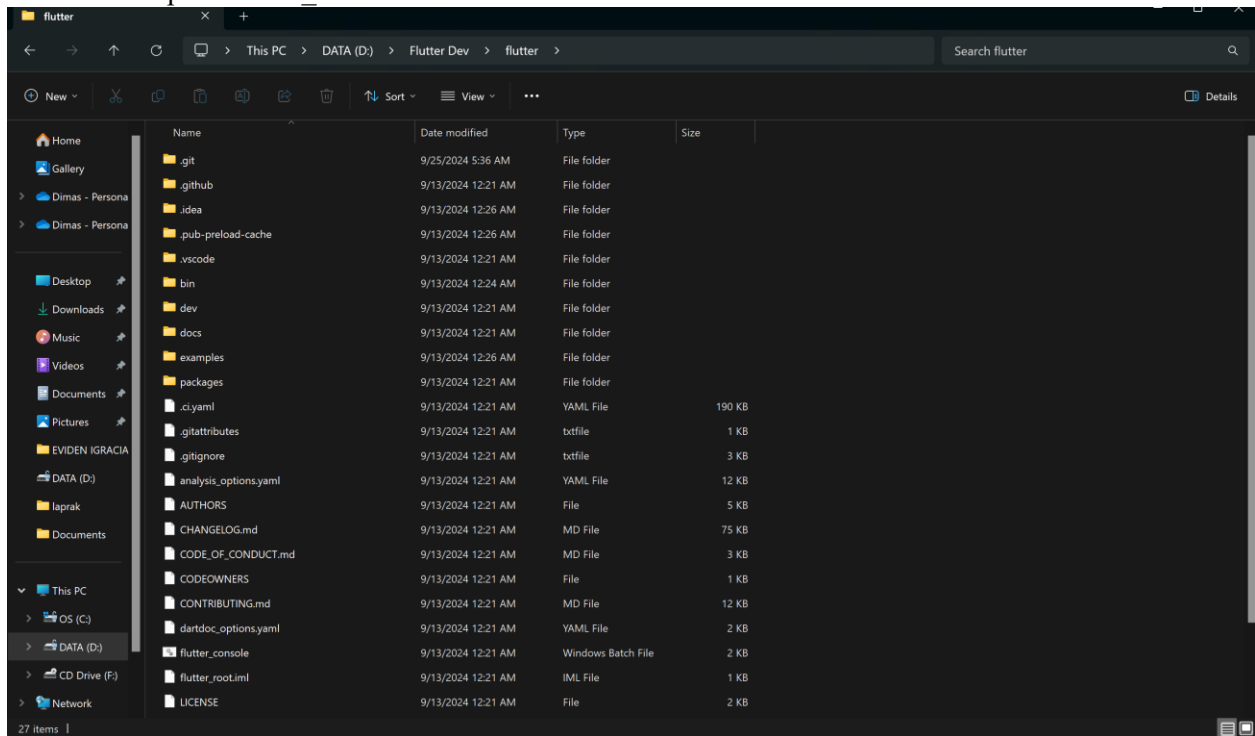
The screenshot shows a 'Recent download history' window with a close button (X). It displays the download of 'flutter\_windows\_3.24.3-stable.zip' with a progress bar and the text '↓ 51.8/985 MB • 55 minutes left'. Below the progress bar is a link to 'Full download history' with an external link icon.

- c. Klik dua kali file yang telah didownload, lalu ekstrak di folder yang tidak membutuhkan akses administrator

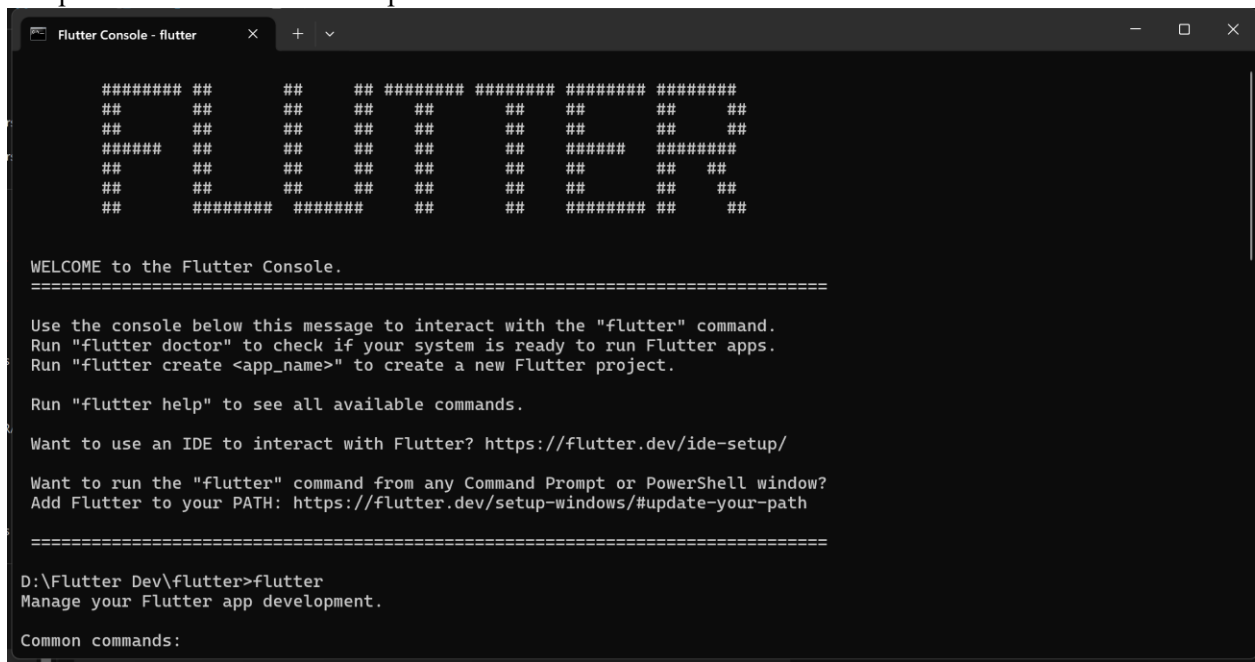


The screenshot shows a file explorer window with a 'Today' section. It displays the downloaded file 'flutter\_windows\_3.24.3-stable.zip' with a colorful icon.

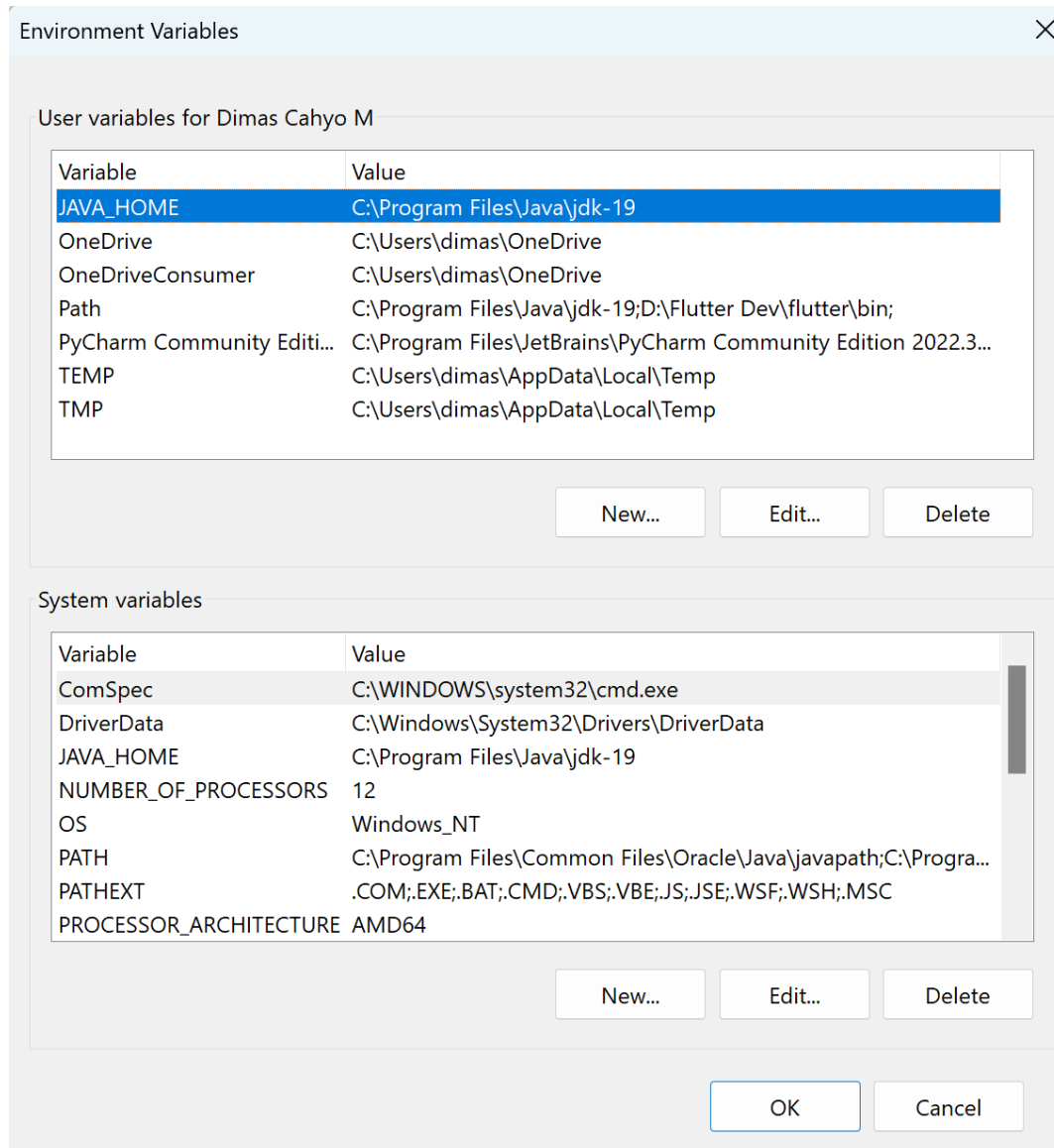
d. Klik dua kali pada flutter\_console.bat



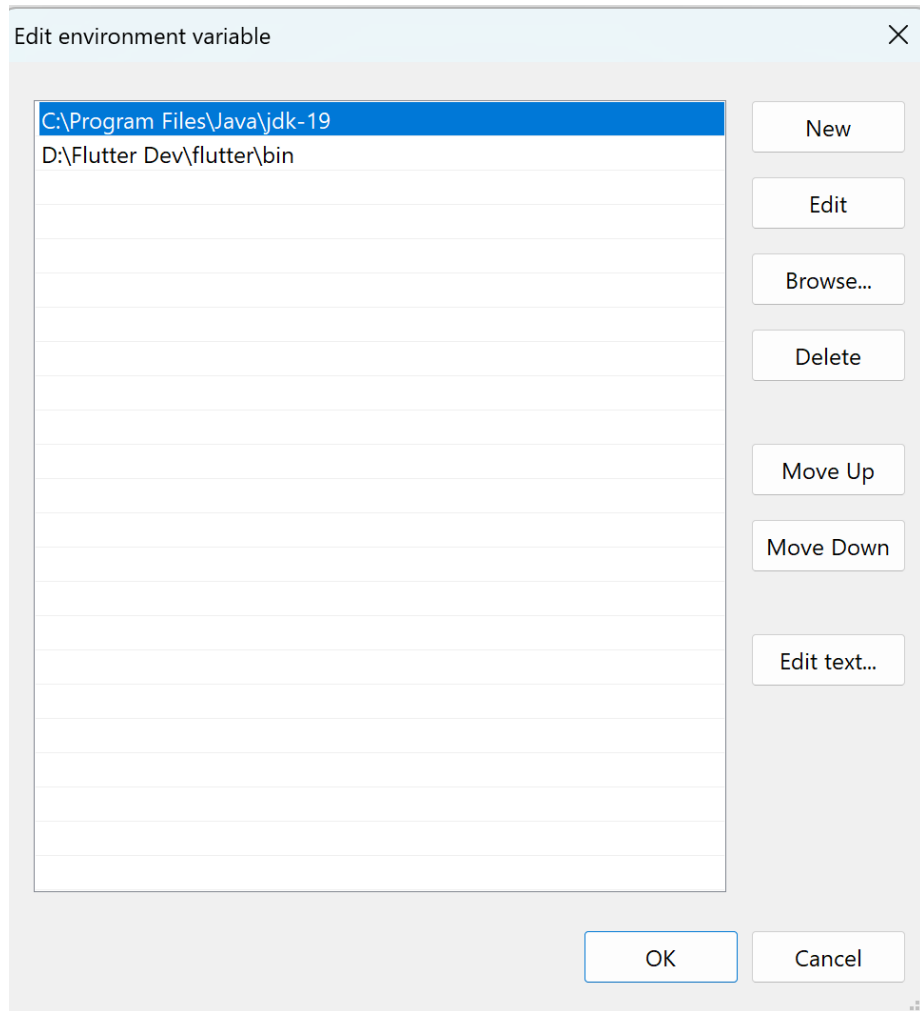
e. Tampilan flutter console akan seperti berikut



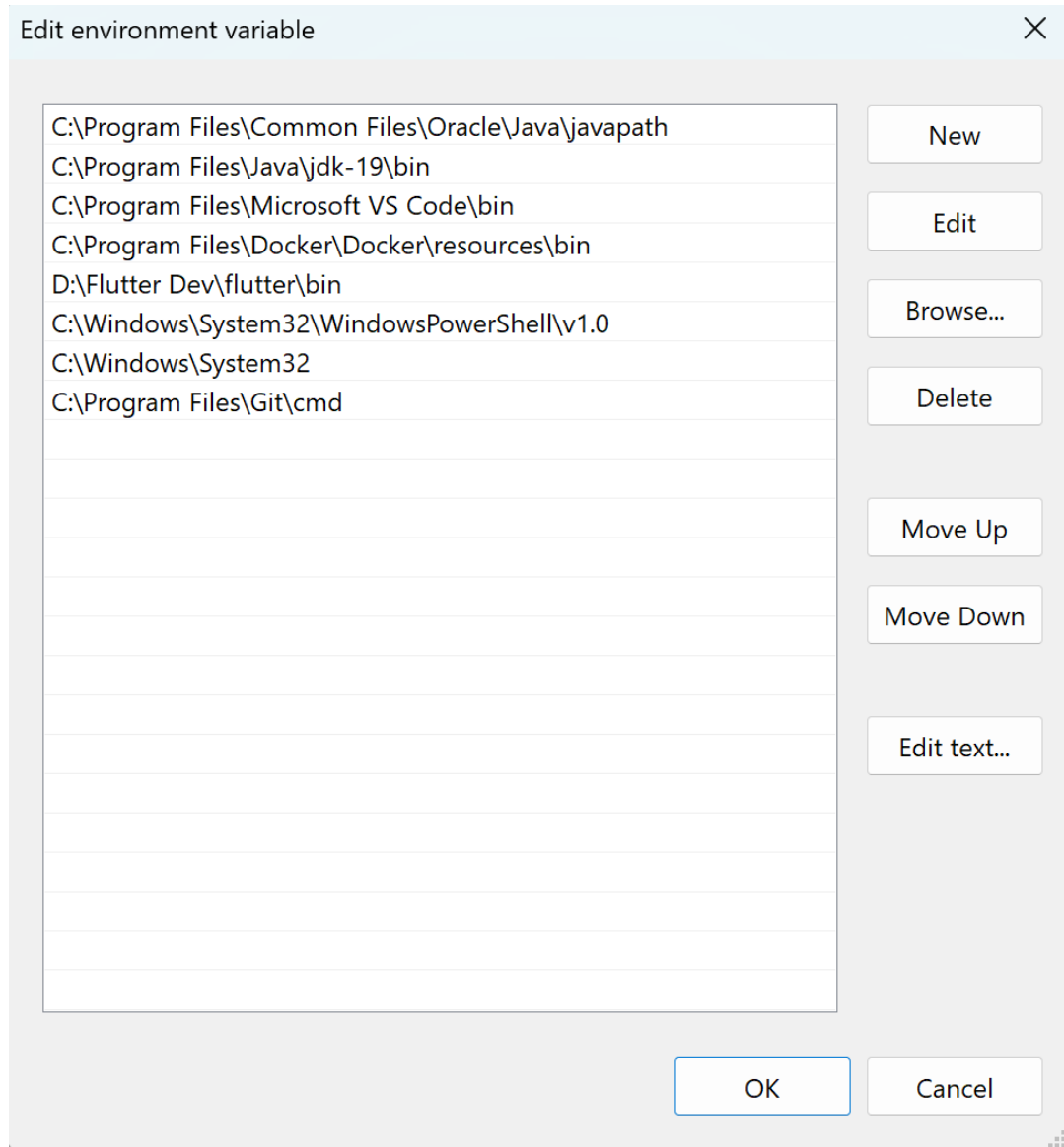
- f. Jika ingin flutter bisa dibuka di cmd atau powershell, update path pada environment variables, caranya sama seperti JDK tadi



- g. Klik edit pada path dan pisahkan dengan titik koma (;) jika lebih dari satu path



- h. Lakukan hal yang sama dengan system variable



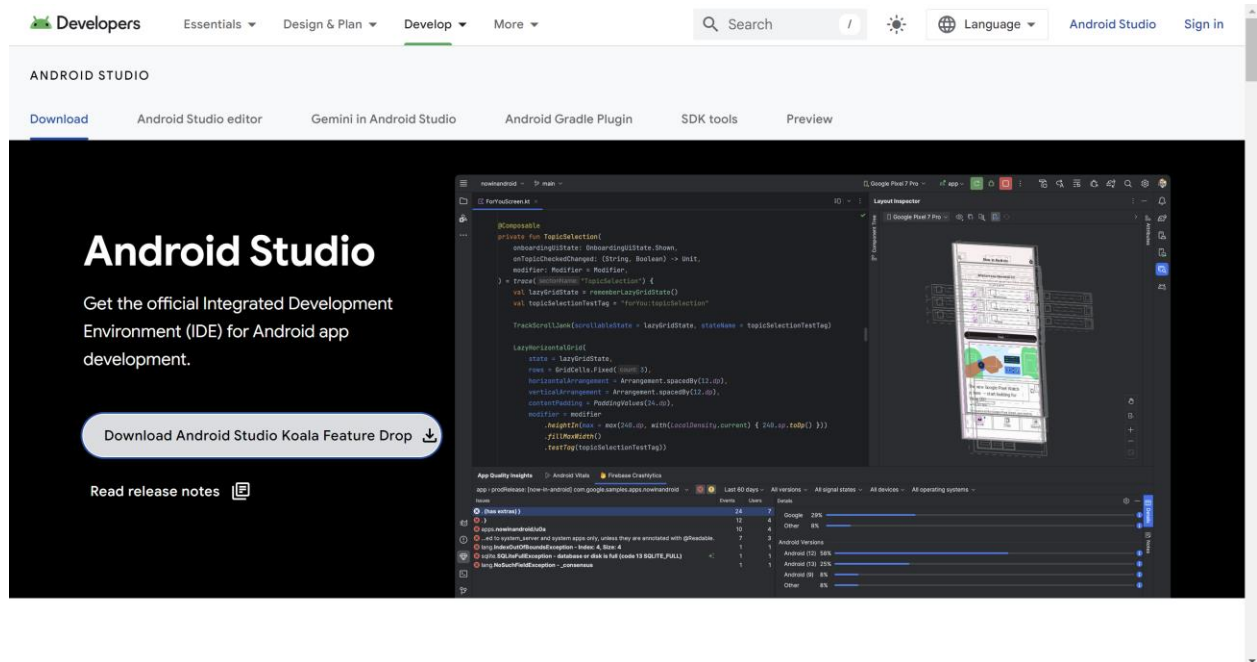
- i. Jika sudah, maka sekarang flutter sudah bisa dijalankan di cmd atau powershell

```
C:\Users\dimas>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.24.3, on Microsoft Windows [Version 10.0.22631.4169], locale en-US)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[!] Android toolchain - develop for Android devices (Android SDK version 35.0.0)
    X cmdline-tools component is missing
      Run 'path/to/sdkmanager --install "cmdline-tools;latest"'
      See https://developer.android.com/studio/command-line for more details.
    X Android license status unknown.
      Run 'flutter doctor --android-licenses' to accept the SDK licenses.
      See https://flutter.dev/to/windows-android-setup for more details.
[✓] Chrome - develop for the web
[✗] Visual Studio - develop Windows apps
    X Visual Studio not installed; this is necessary to develop Windows apps.
      Download at https://visualstudio.microsoft.com/downloads/.
      Please install the "Desktop development with C++" workload, including all of its default components
[✓] Android Studio (version 2024.1)
[✓] VS Code, 64-bit edition (version 1.90.1)
[✓] Connected device (3 available)
[✓] Network resources

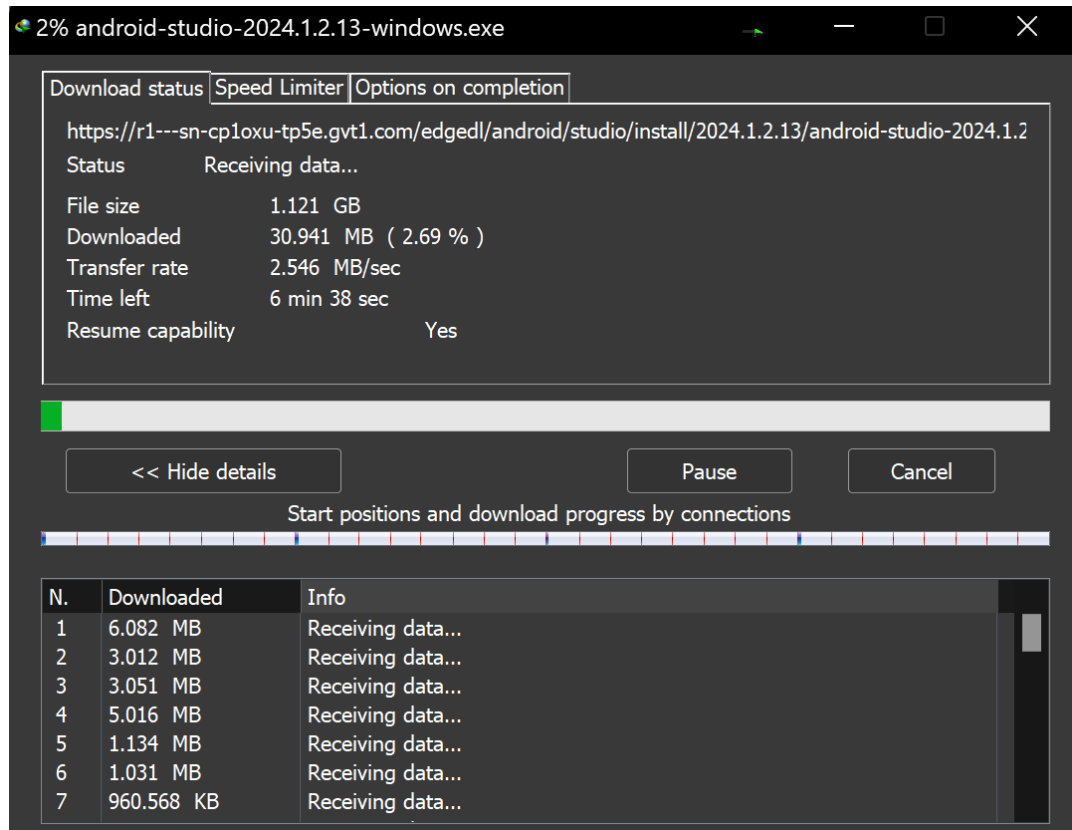
! Doctor found issues in 2 categories.
C:\Users\dimas>
```

#### 4. Instalasi Android Studio

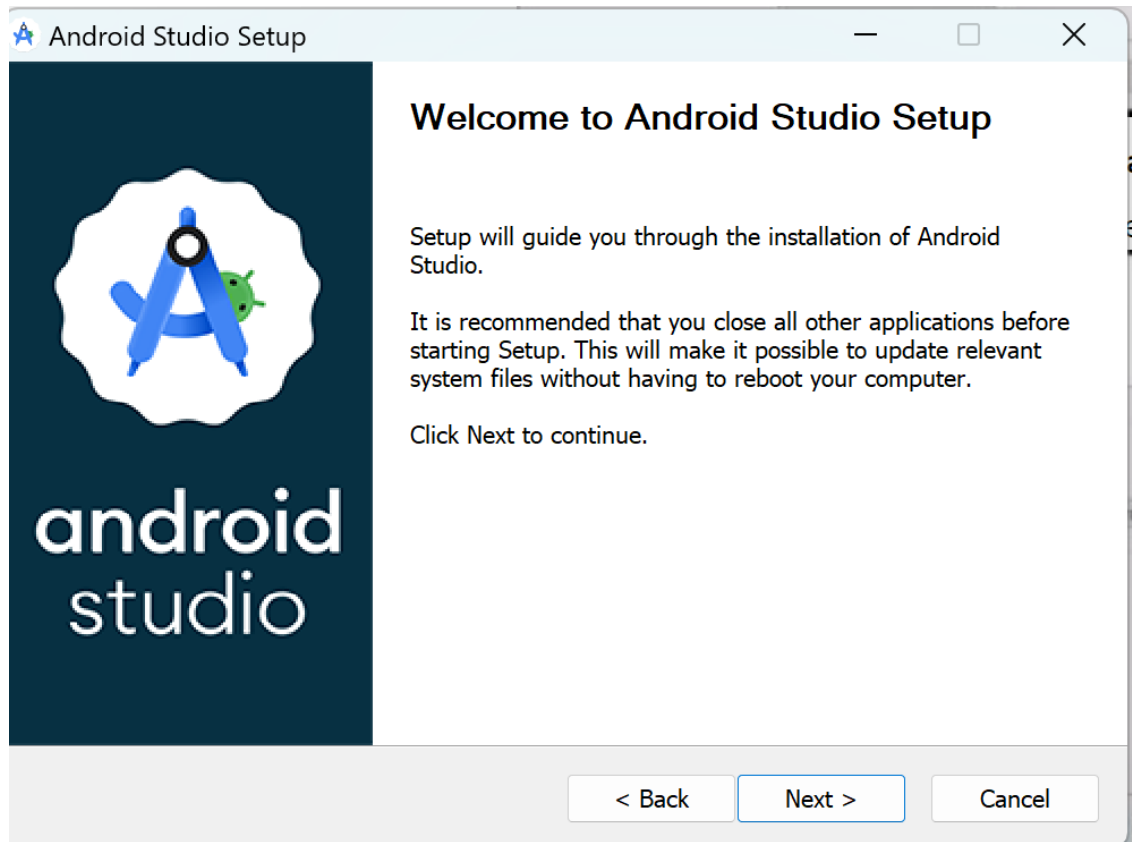
- a. Buka link <https://developer.android.com/studio>



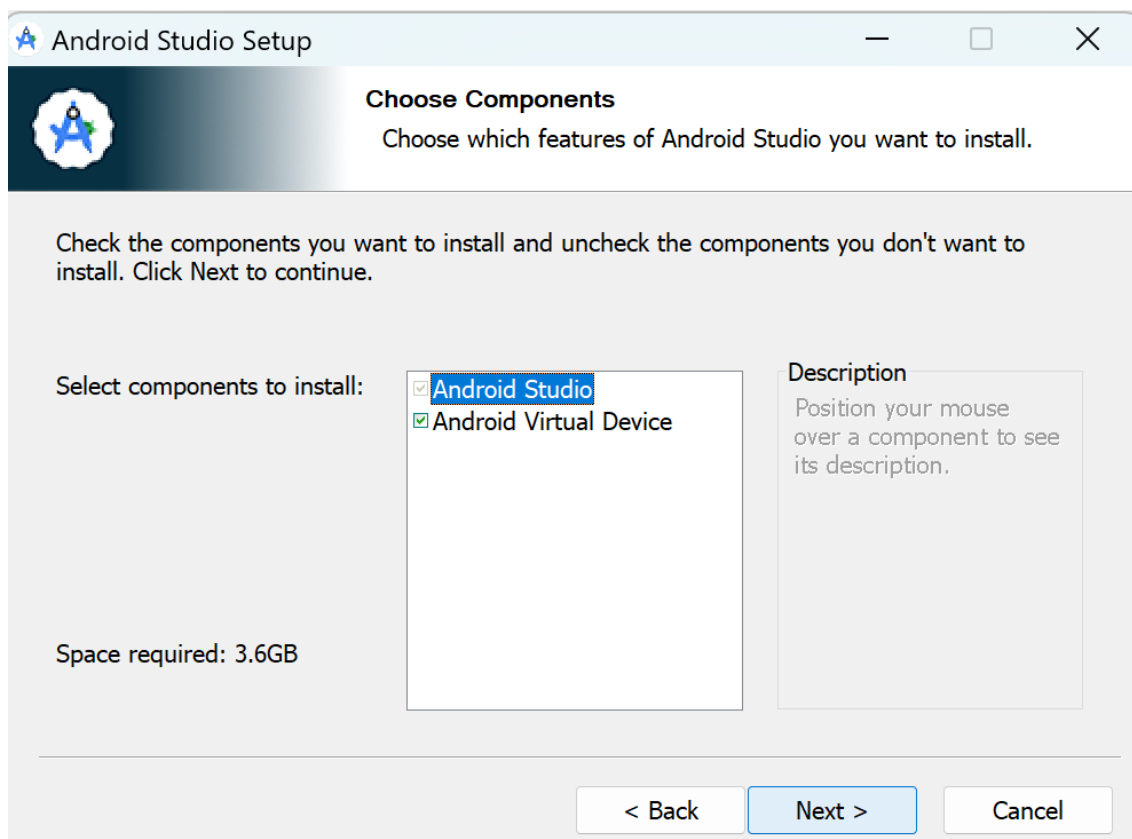
- b. Klik download dan tunggu sampai selesai, lalu klik dua kali filenya sampai selesai



c. Klik Next

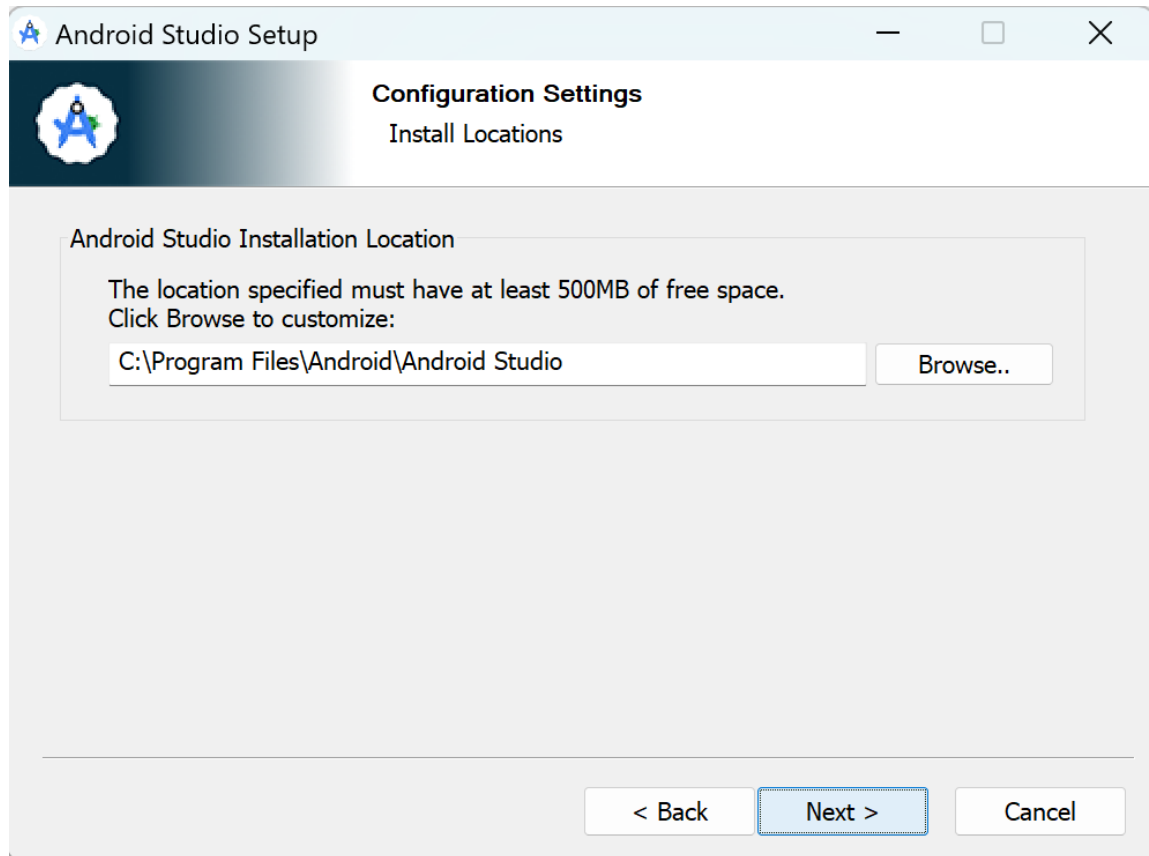


d. Pilih komponen yang ingin diinstall

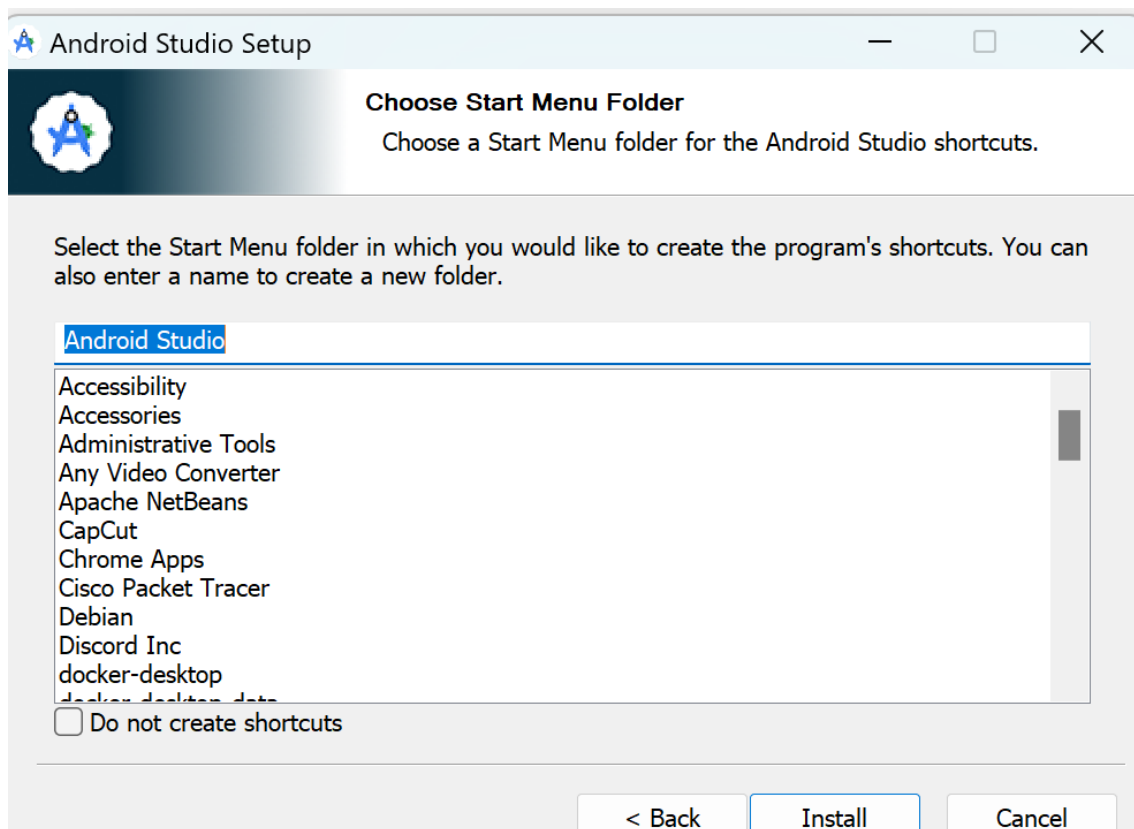




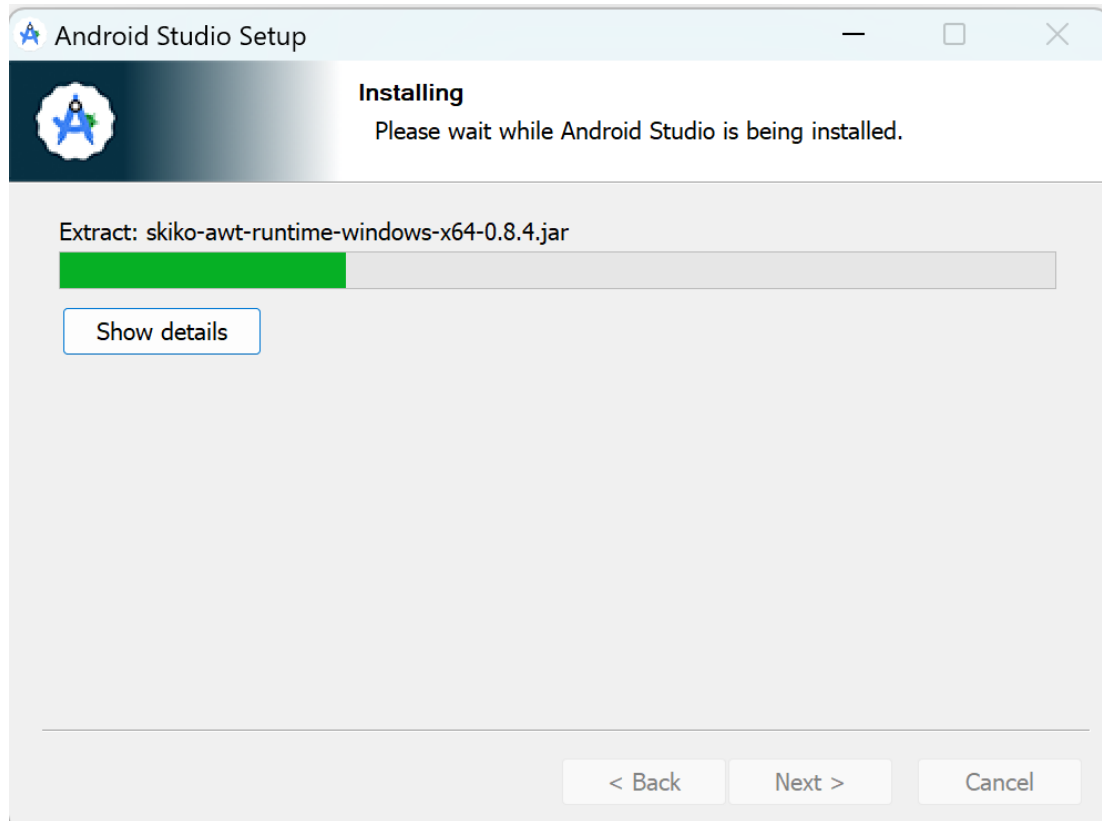
e. Pilih direktori instalasi



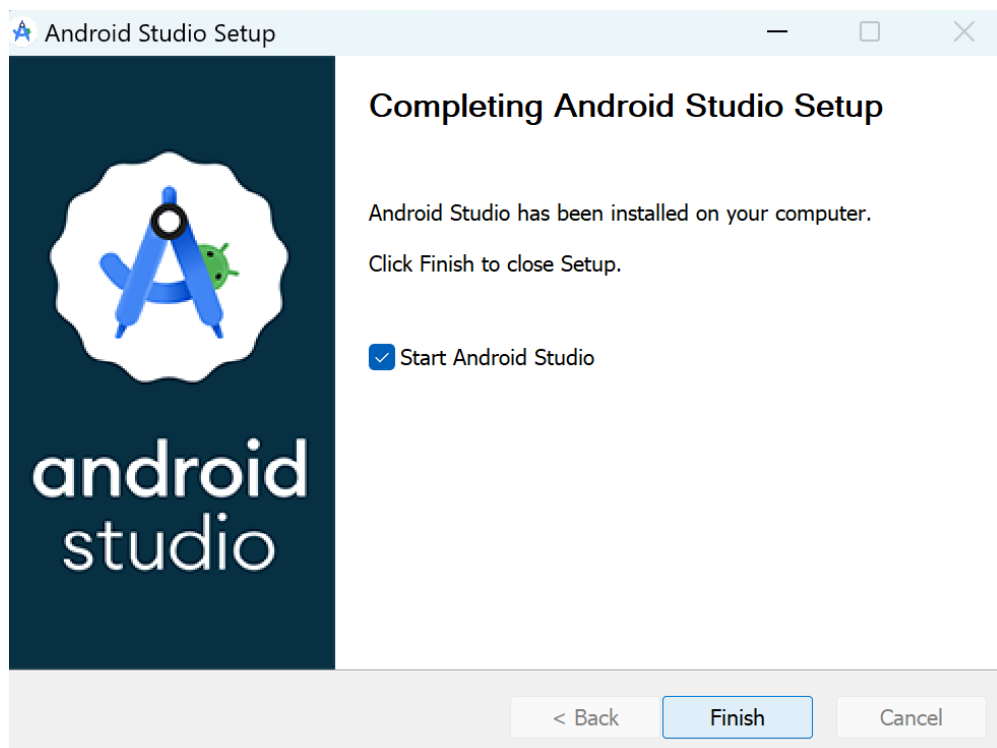
f. Klik Install



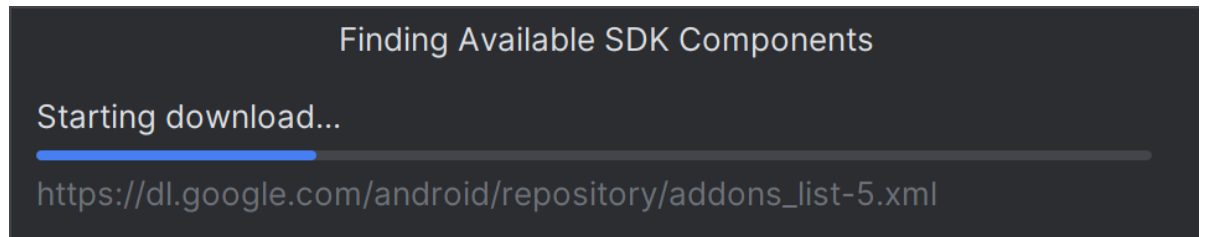
g. Tunggu sampai proses instalasi selesai



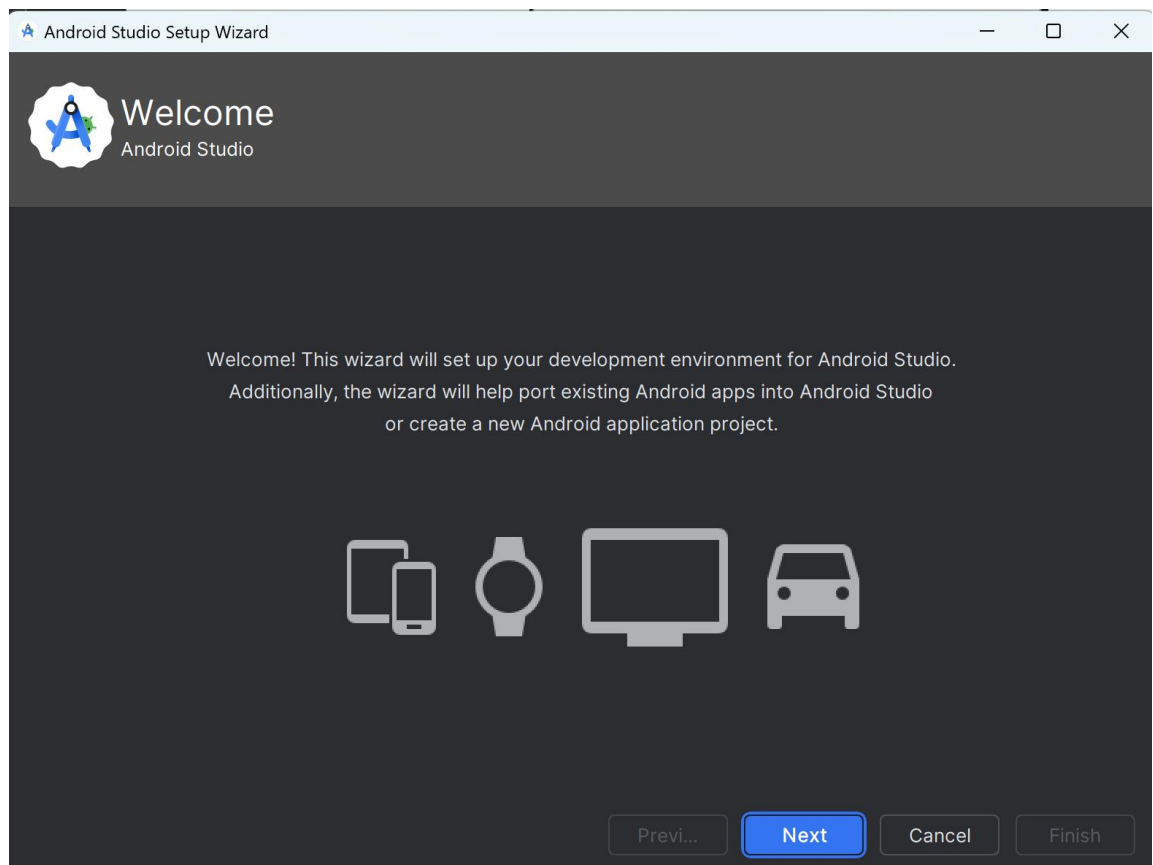
h. Klik Finish



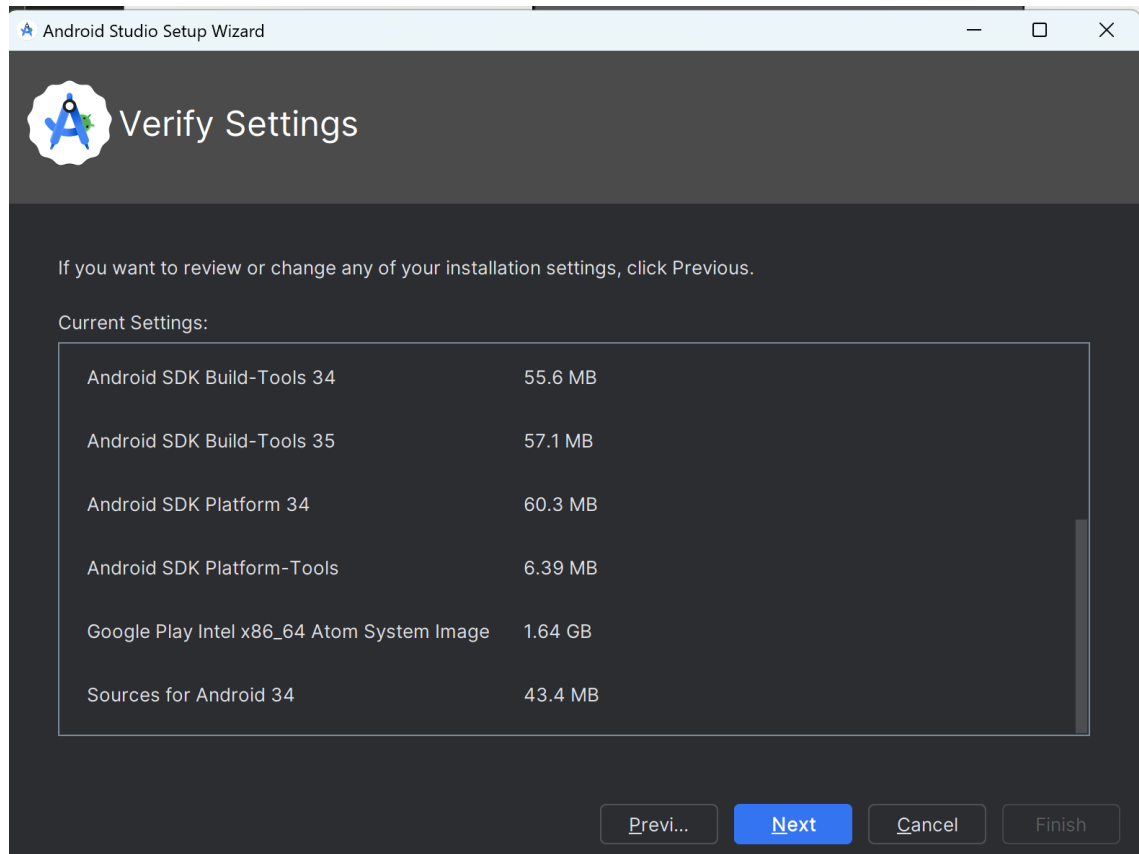
- i. Tunggu proses selesai



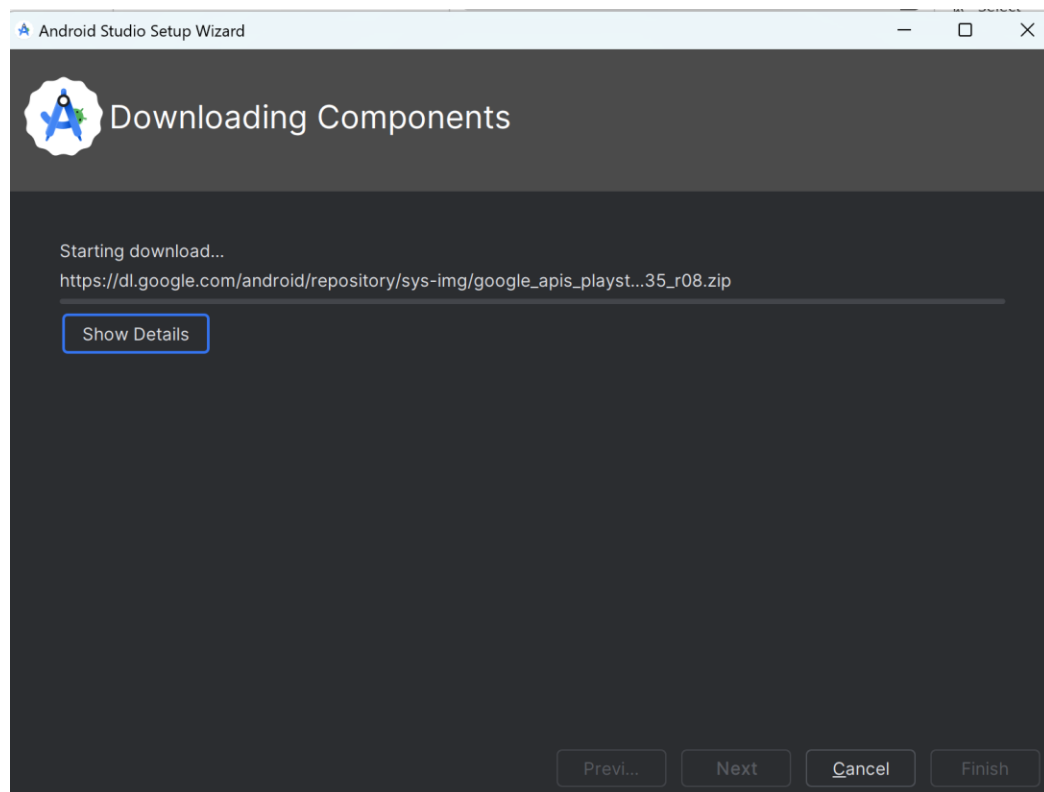
- j. Klik Next



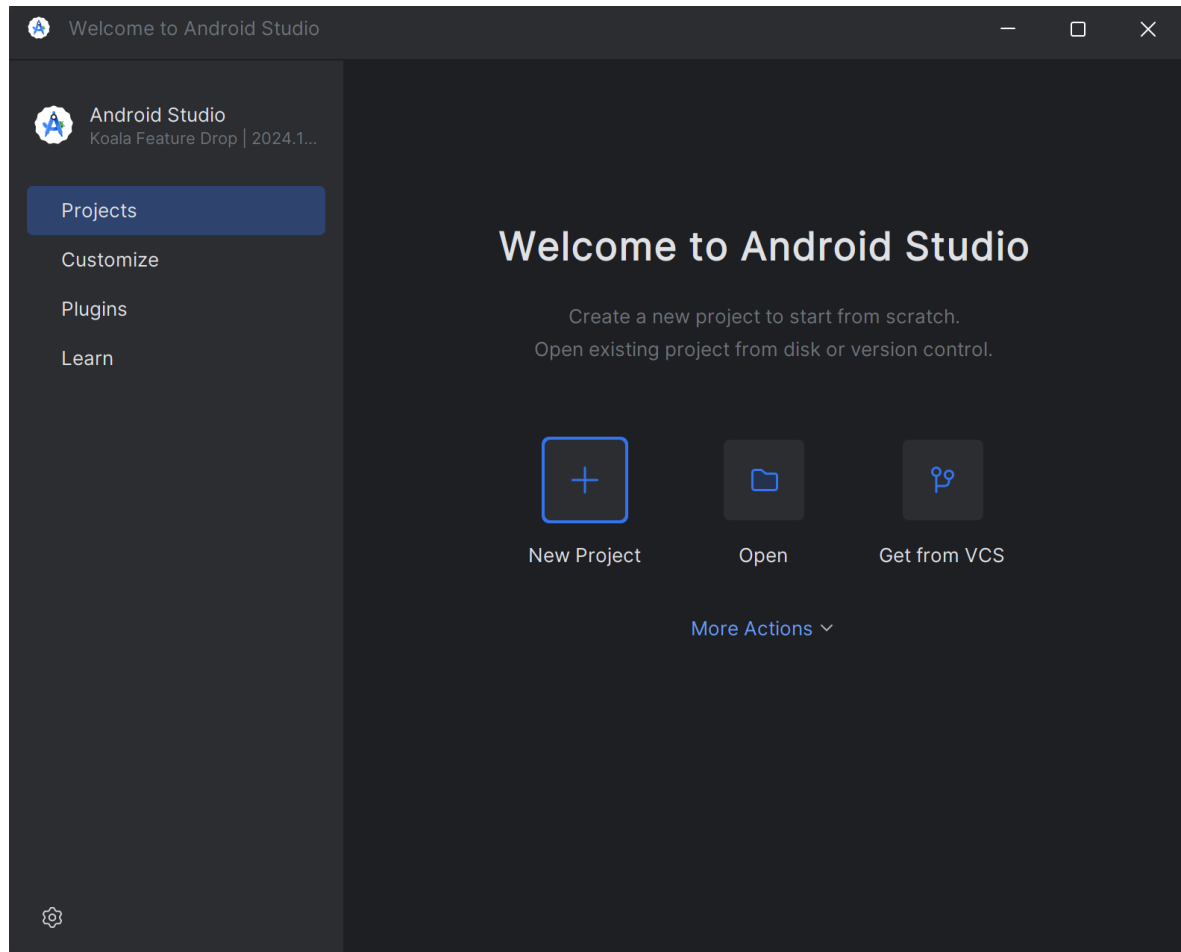
k. Verifikasi instalasi lalu klik Next



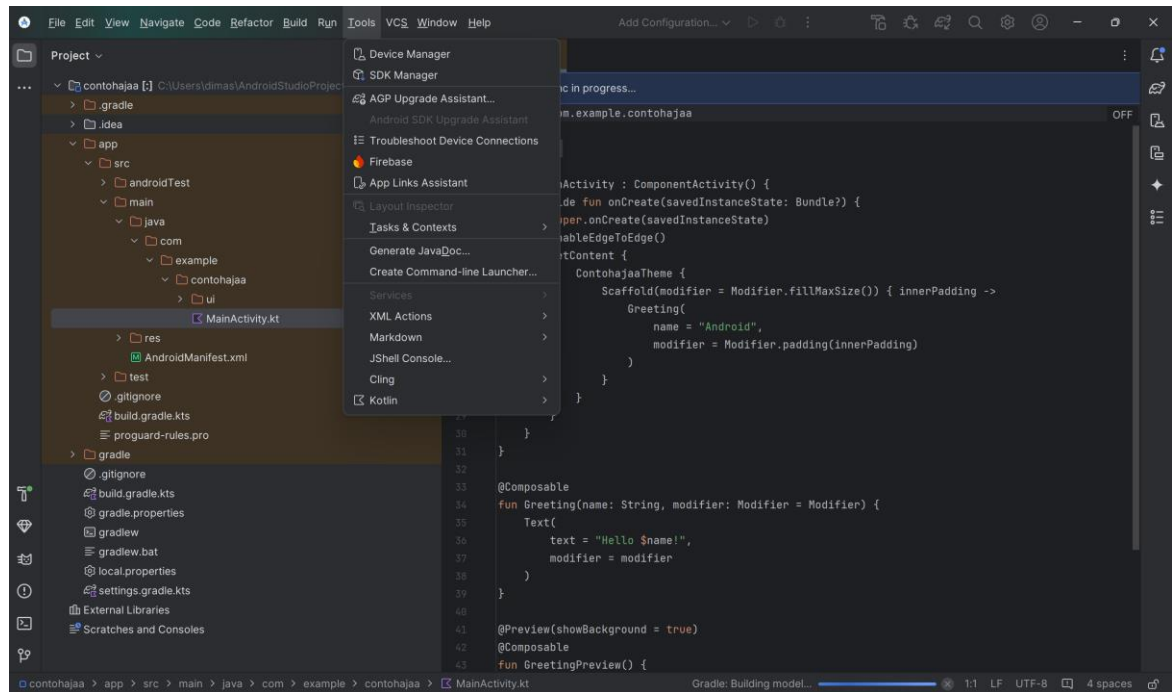
l. Tunggu sampai proses selesai



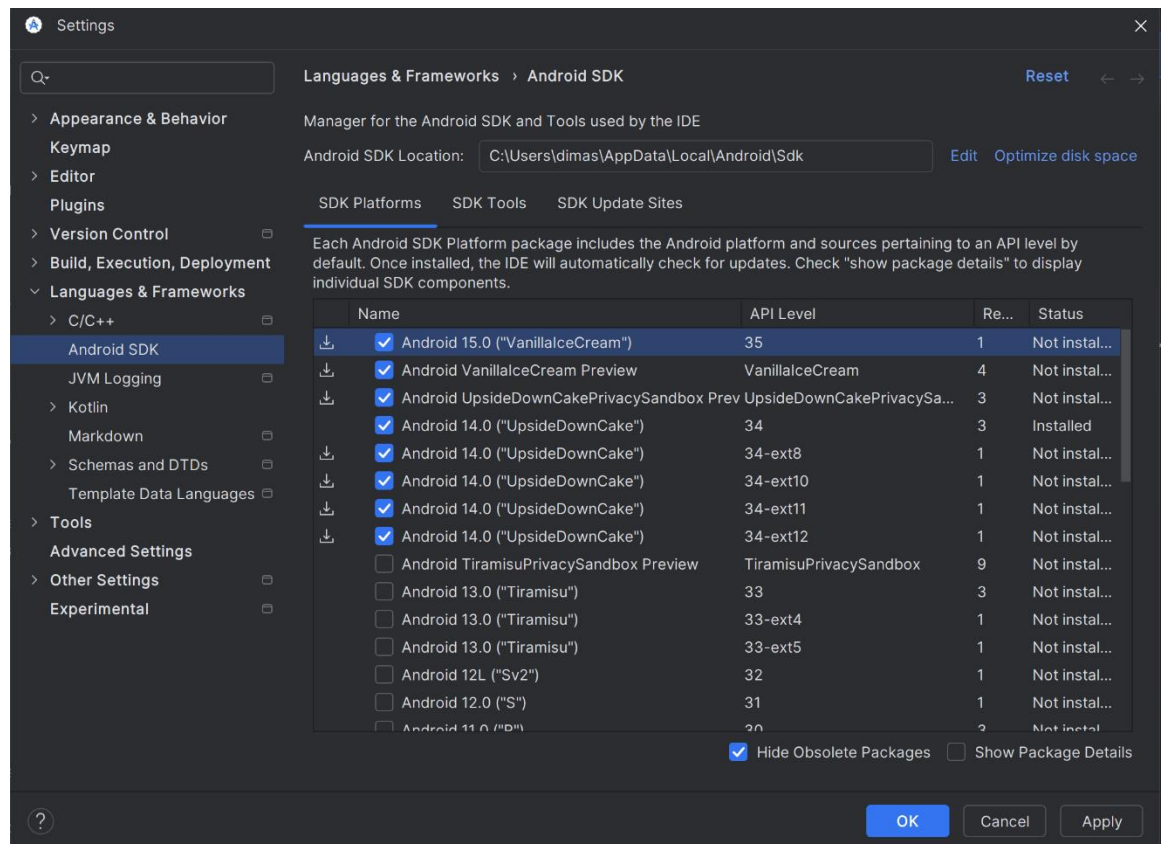
m. Tampilan utama Android Studio akan seperti berikut



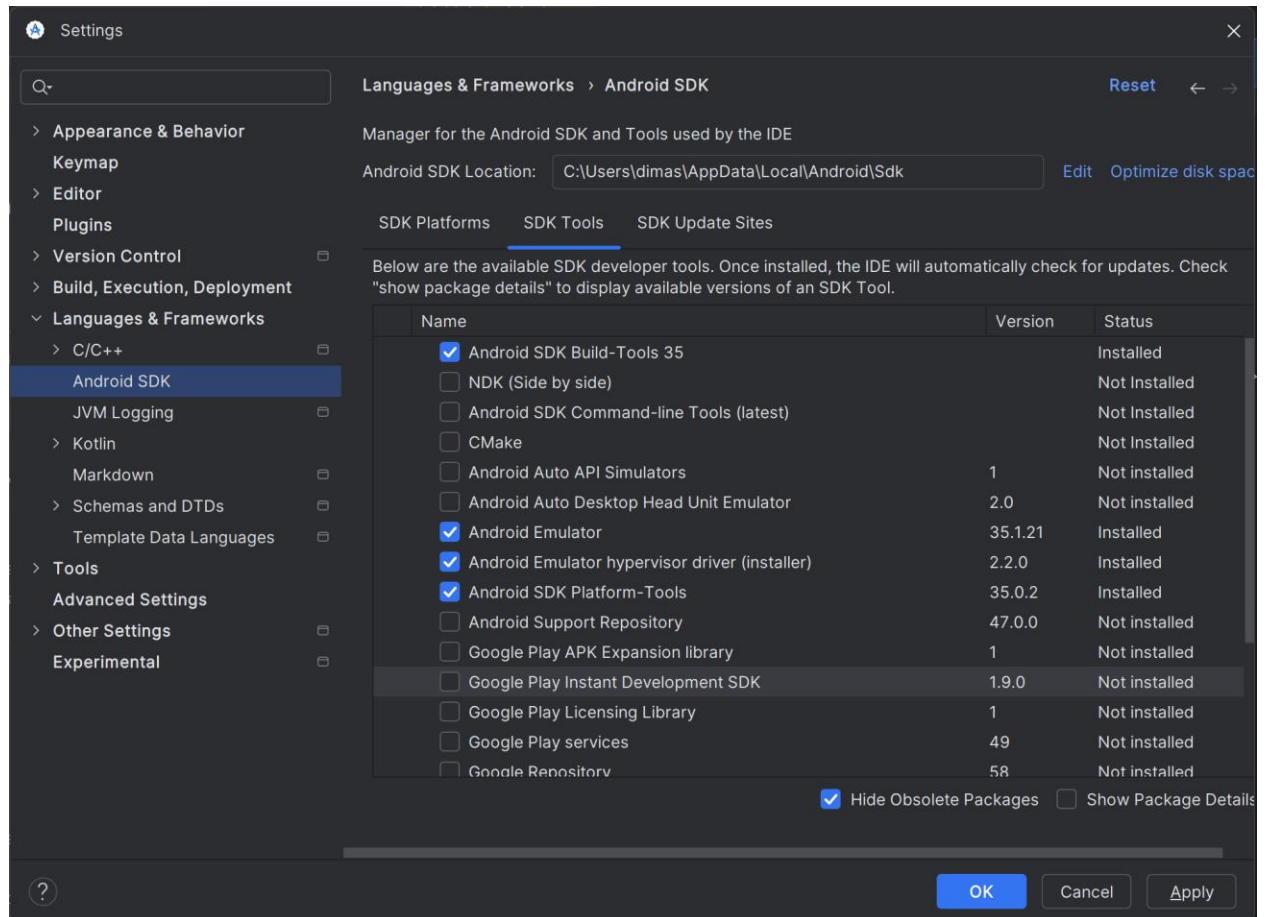
n. Pergi ke Tools, lalu klik SDK Manager



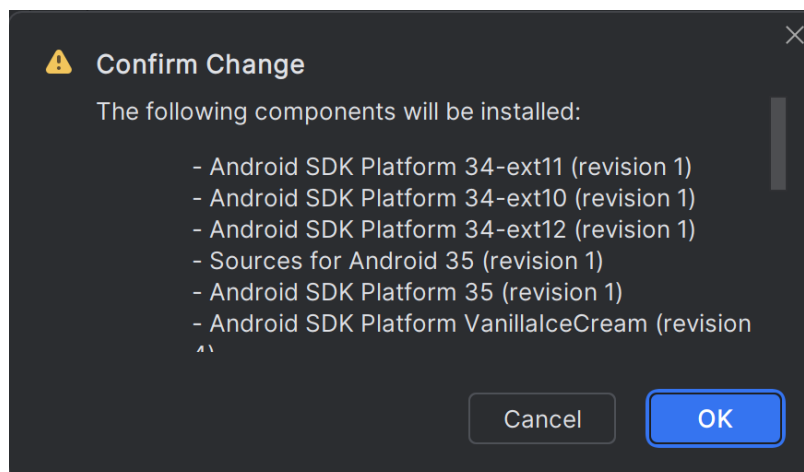
o. Pilih Android SDK, lalu install SDK yang belum diinstall (SDK Platforms)



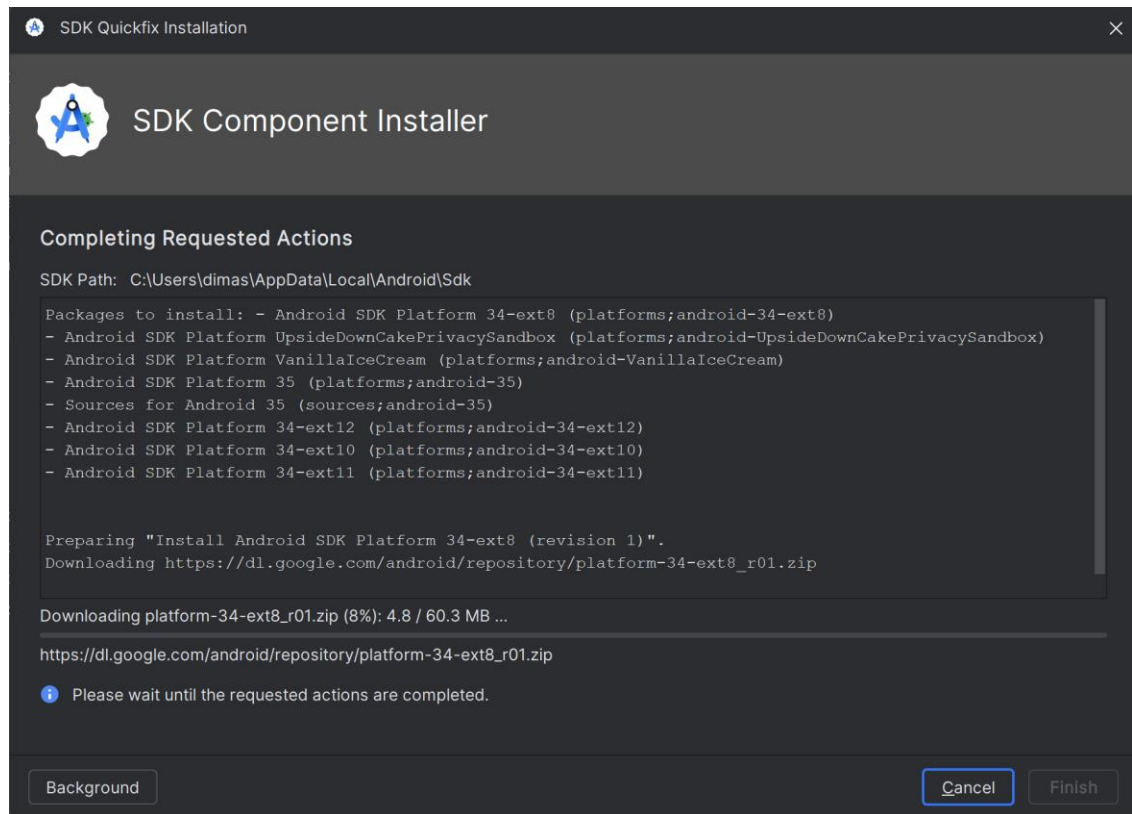
p. Lakukan hal yang sama pada SDK Tools



q. Konfirmasi Instalasi, lalu klik Next



- r. Tunggu sampai proses selesai



## 5. Instalasi Visual Studio Code

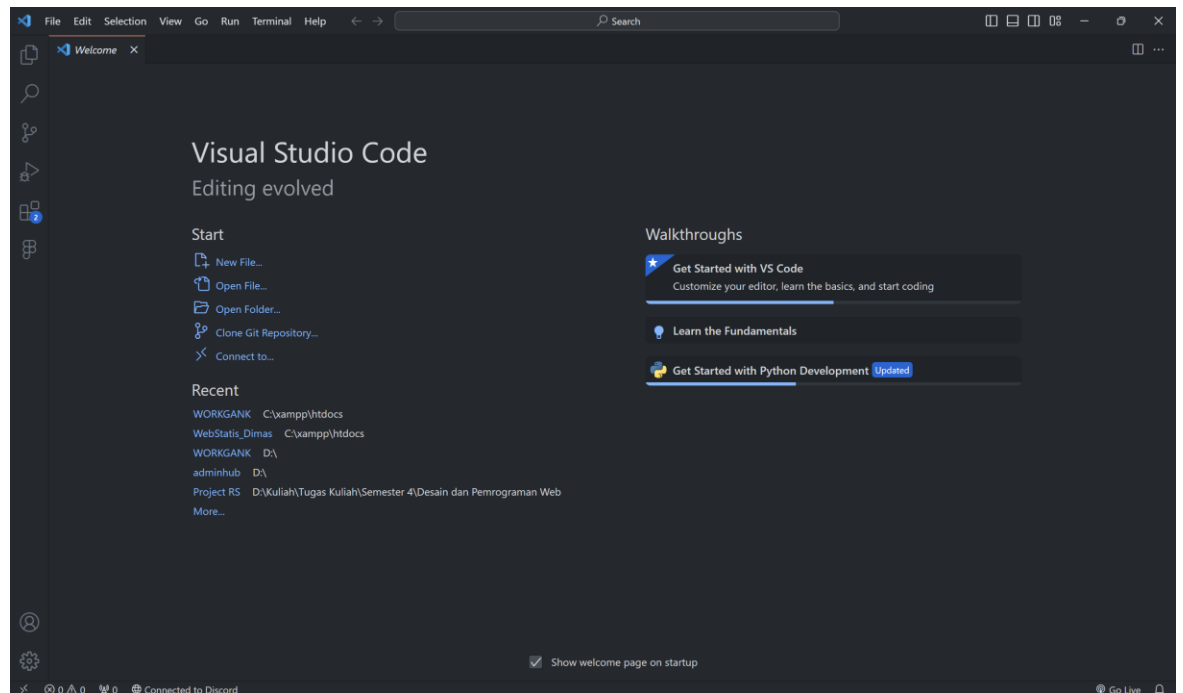
- a. Buka link <https://code.visualstudio.com/Download>



b. Pilih sesuai Sistem Operasi

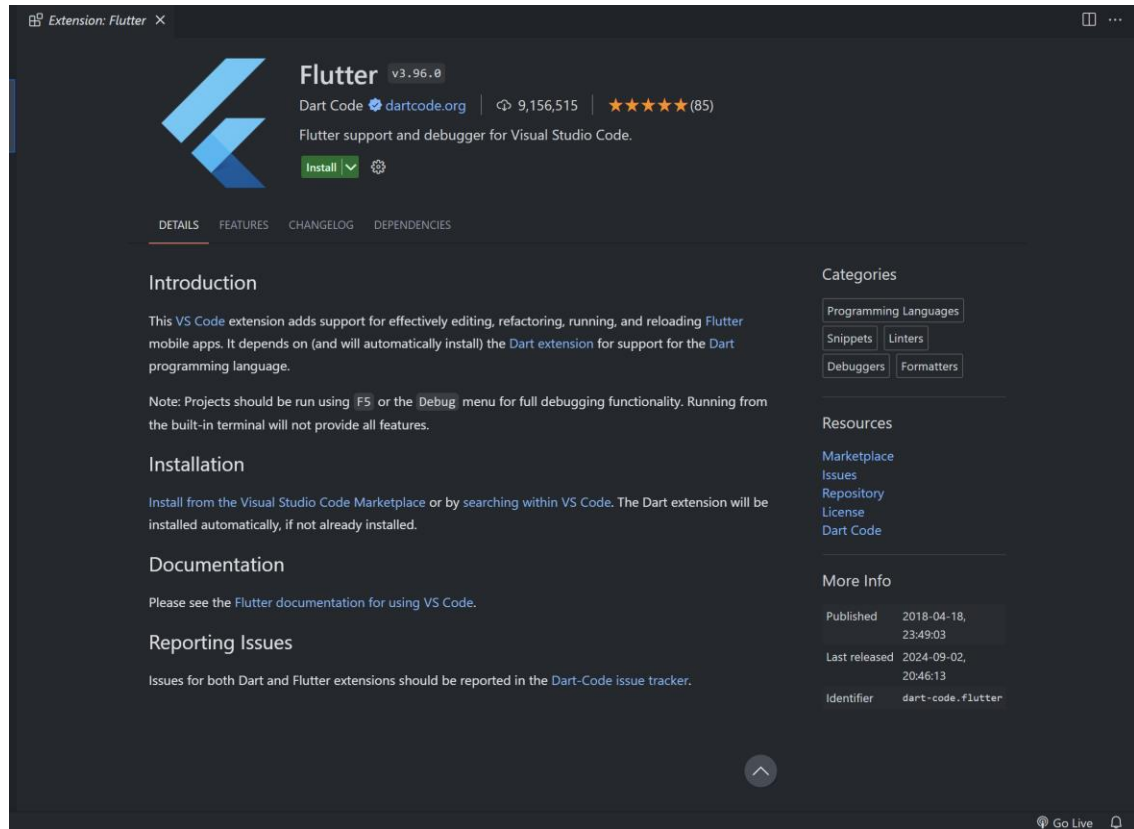


c. Tampilan Visual Studio Code



## 6. Instalasi Extension Flutter dan Dart

- Buka bagian Extensions pada Visual Studio Code, lalu ketikkan pada kolom pencarian “flutter”
- Klik Install



- Selanjutnya install extension Dart

