



NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING

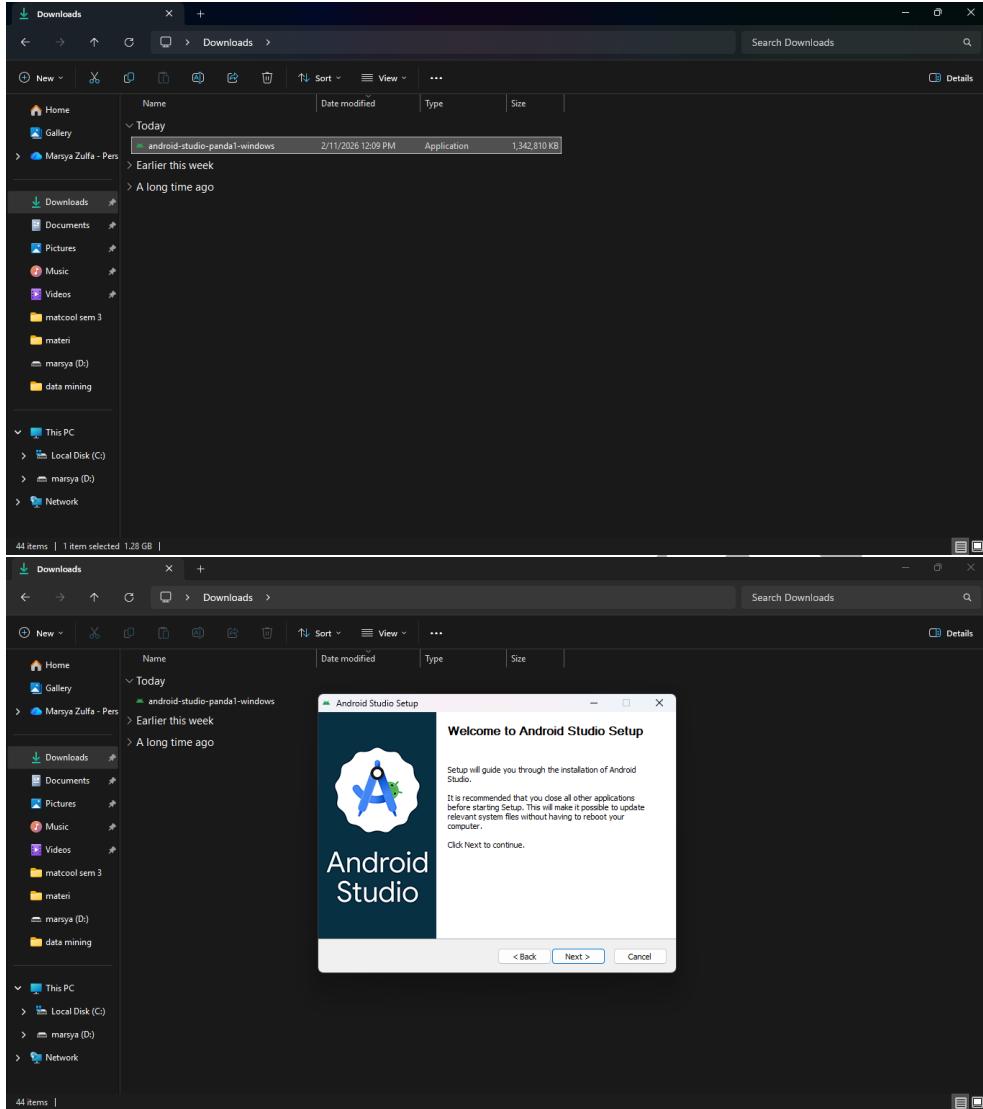
1. Mendownload Android Studio

The screenshot shows the official Android Studio download page from developer.android.com/studio?hl=id. The page features the Android Studio interface at the top, displaying code in HomeScreen.kt and a 'Hello, Android' screen. Below the interface, there is a prominent 'Download Android Studio Panda 1' button. Underneath the button, a large block of text details the terms and conditions of the license agreement. At the bottom of the form, there is a checked checkbox labeled 'Saya telah membaca dan menyetujui persyaratan dan ketentuan di atas' (I have read and agree to the terms and conditions above) and a download link for 'android-studio-panda1-windows.exe'.



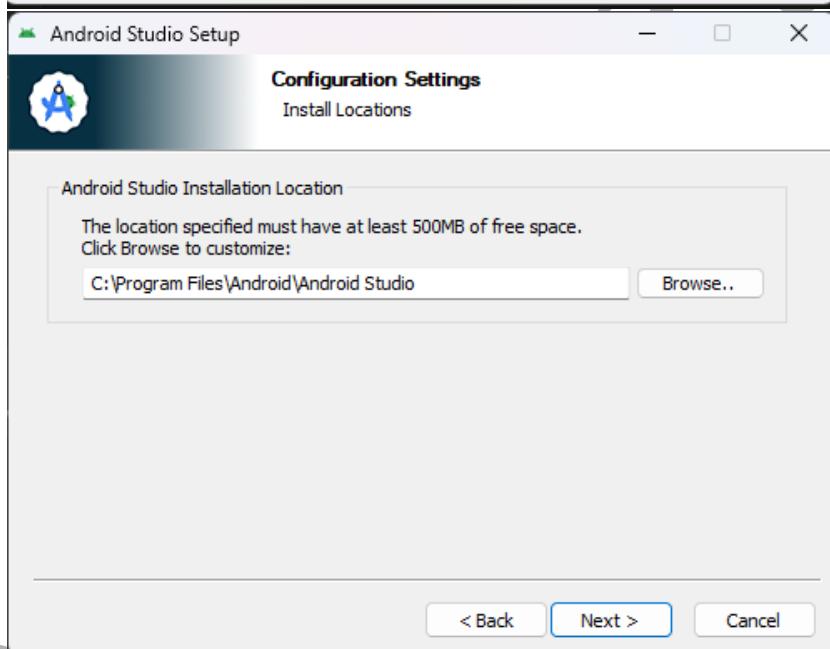
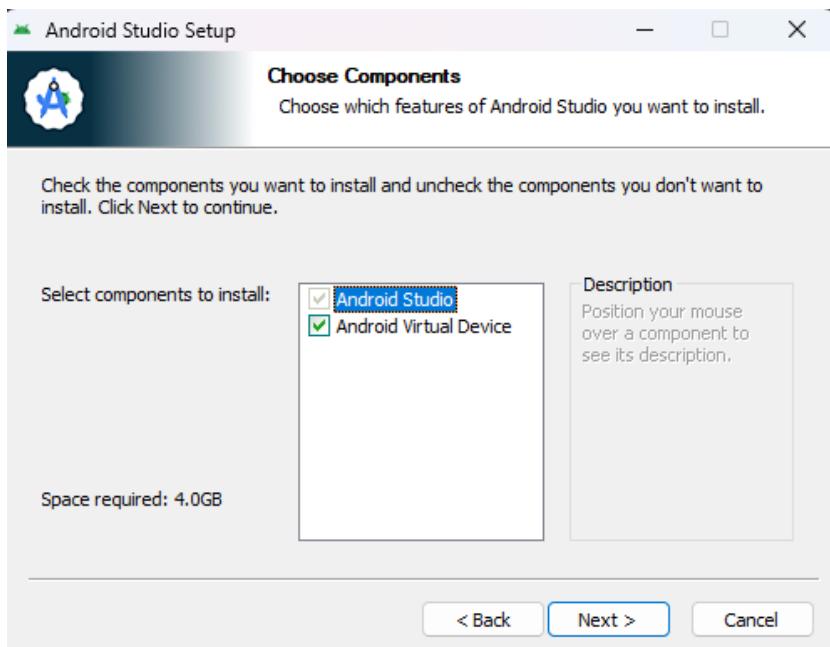
NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING

2. Jika sudah terdownload pasang aplikasinya di device



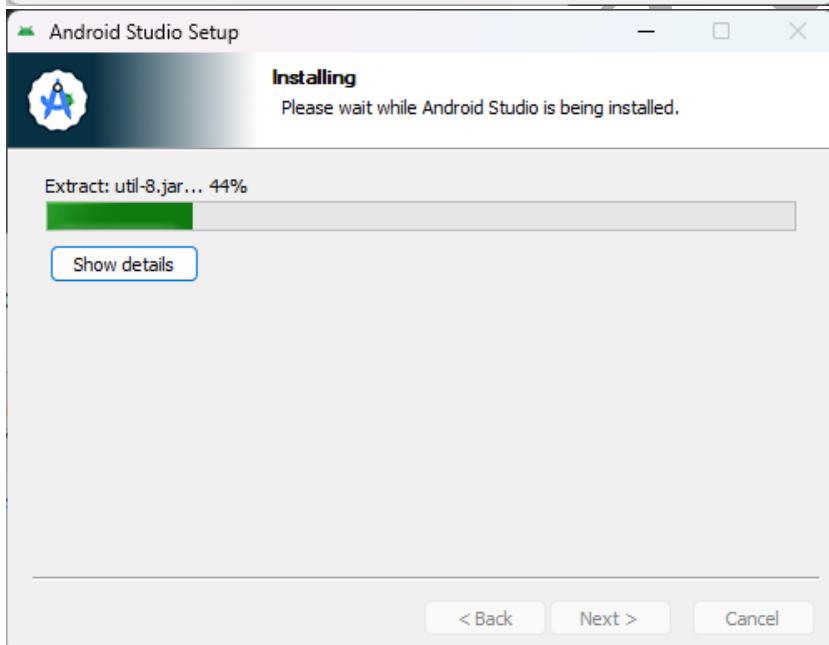
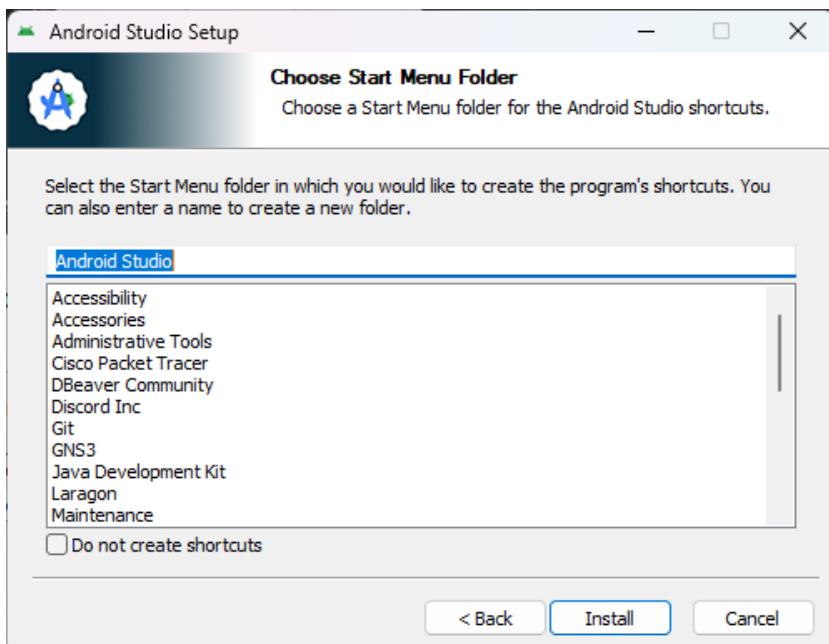


NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING



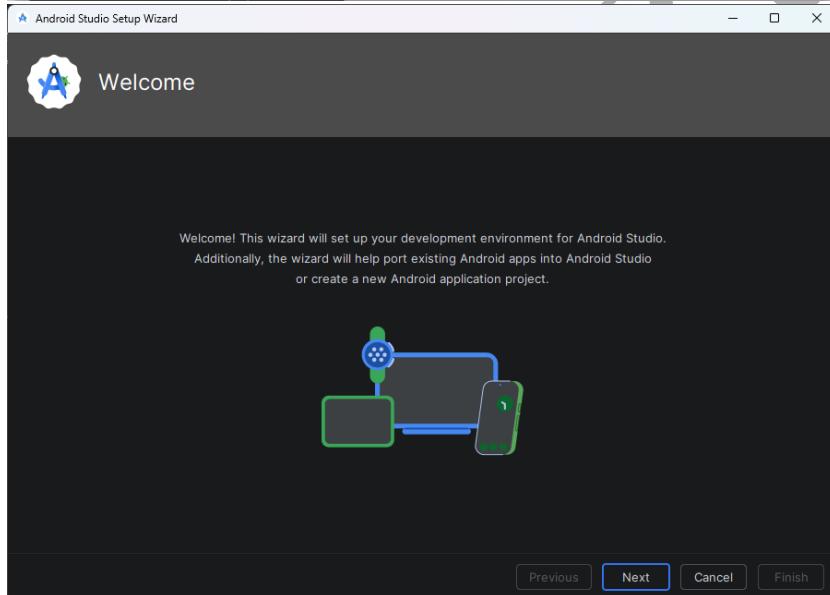
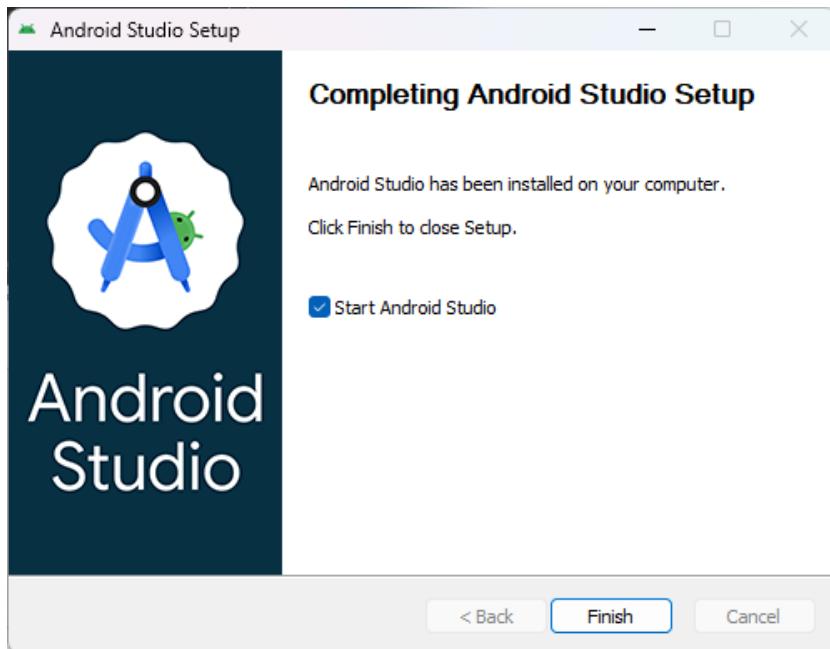


NAME : MARSYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING



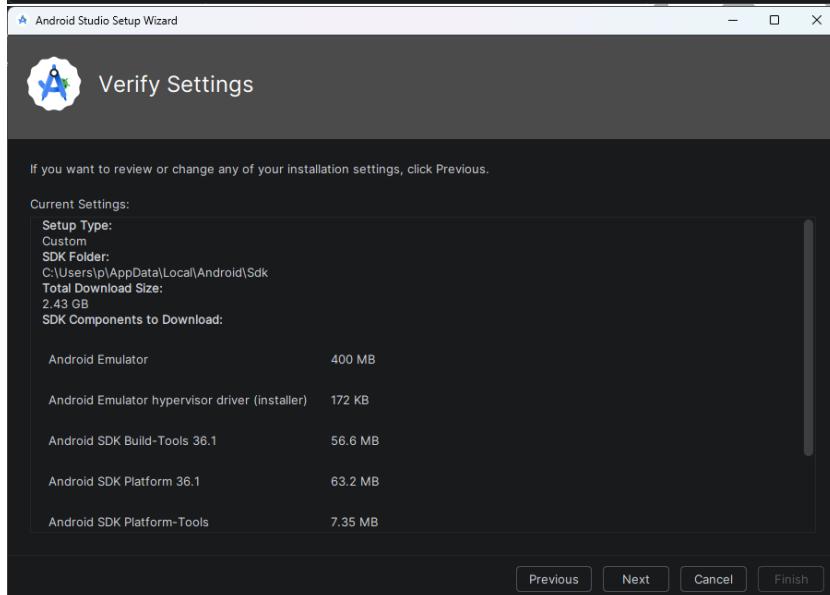
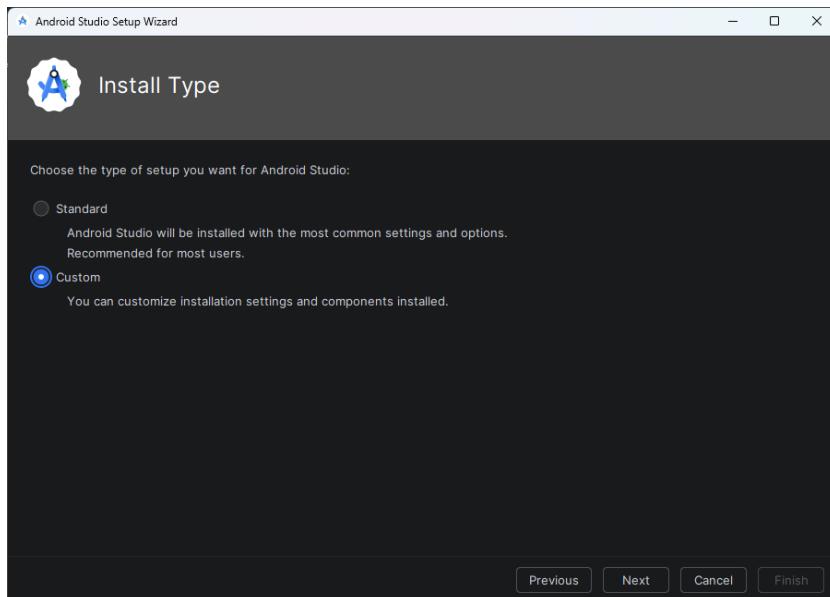


NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING





NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING





NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING

Android Studio Setup Wizard

License Agreement

Licenses

- android-sdk-license
 - ↓ Android Emulator
 - ↓ Google Play Intel x86_64 Ato
 - ↓ Android Emulator hypervisor
 - ↓ Sources for Android 36.1
 - ↓ Android SDK Platform 36.1
 - ↓ Android SDK Build-Tools 36.1
 - ↓ Android SDK Platform-Tools

Terms and Conditions

This is the Android Software Development Kit License Agreement

1. Introduction

1.1 The Android Software Development Kit (referred to in the License Agreement as the "SDK" and specifically including the Android system files, packaged APIs, and Google APIs add-ons) is licensed to you subject to the terms of the License Agreement. The License Agreement forms a legally binding contract between you and Google in relation to your use of the SDK.

1.2 "Android" means the Android software stack for devices, as made available under the Android Open Source Project, which is located at the following URL:
<http://source.android.com/>, as updated from time to time.

1.3 A "compatible implementation" means any Android device that (i) complies with the Android Compatibility Definition document, which can be found at the Android compatibility website (<http://source.android.com/compatibility>) and which may be updated from time to time; and (ii) successfully passes the Android Compatibility Test Suite (CTS).

Decline Accept

Previous Next Cancel Finish

Android Studio Setup Wizard

Downloading Components

Downloading emulator-windows_x64-14788078.zip (63%): 251.4 / 399.0 MB ...
https://dl.google.com/android/repository/emulator-windows_x64-14788078.zip

Show Details

Previous Next Cancel Finish



NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING

3. Download Flutter dan ekstrak di folder src y gada di C

Flutter SDK archive

Flutter Docs User Guides Learn Reference Get started

Stable channel

Windows macOS Linux

Select from the following scrollable list:

Flutter version	Architecture	Ref	Release date	Dart version	Provenance
3.38.9	x64	67323de	1/30/2026	3.10.8	Attestation bundle
3.38.8	x64	bd7a4ab	1/28/2026	3.10.7	Attestation bundle
3.38.7	x64	3b62efc	1/15/2026	3.10.7	Attestation bundle
3.38.6	x64	8b87286	1/9/2026	3.10.7	Attestation bundle

Beta channel

docs.flutter.dev uses cookies from Google to deliver and enhance the quality of its services and to analyze traffic. [Learn more](#) [OK, got it](#)

storage.googleapis.com/.../flutter_windows_3.38.9-stable.zip

Extract Compressed (Zipped) Folders

Select a Destination and Extract Files

Files will be extracted to this folder: C:\src [Browse...](#)

Show extracted files when complete

Discovered 6,914 items (2.86 GB)...
Preparing to copy from flutter_windows_3.38.9-stable to src
Discovered 6,914 items (2.86 GB)...
More details

Next Cancel



NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING

4. Menambahkan plugin flutter di android studio dan menambahkan Android SDK command line tools

The image consists of three vertically stacked screenshots of the Android Studio Plugins Marketplace. In each screenshot, the 'Plugins' tab is selected in the left sidebar.

- Screenshot 1:** Shows the main 'Welcome to Android Studio' screen with the 'Plugins' tab selected. It displays a 'Staff Picks' section with several plugins like 'Kotlin Multiplatform', 'Flutter', 'IdeaVim', etc., each with an 'Install' button. A blue callout box labeled 'Plugins Auto-Update' is overlaid on the screen, stating 'Enable auto-update for plugins to always have their latest versions.' with a 'Got it' button.
- Screenshot 2:** Shows the same screen after the 'Flutter' plugin has been installed. The 'Install' button is now replaced by a checked checkbox icon, indicating the plugin is now installed.
- Screenshot 3:** Shows the detailed view for the installed 'Flutter' plugin. The top bar shows 'Flutter' with a version of '89.0.0'. Below it are tabs for 'Overview', 'What's New', 'Reviews', and 'Additional Info'. The 'Additional Info' section contains a note about JxBrowser and Dart, and a bulleted list of instructions for finding JxBrowser files and relinking components.



NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING

Settings

Languages & Frameworks > Android SDK

Manager for the Android SDK and Tools used by the IDE

Android SDK Location: C:\Users\p\AppData\Local\Android\Sdk

SDK Platforms SDK Tools SDK Update Sites

Below are the available SDK developer tools. Once installed, the IDE will automatically check for updates. Check "show package details" to display available versions of an SDK Tool.

Name	Version	Status
<input checked="" type="checkbox"/> Android SDK Build-Tools		Installed
<input type="checkbox"/> NDK (Side by side)		Not Installed
<input checked="" type="checkbox"/> Android SDK Command-line Tools (latest)		Not Installed
<input type="checkbox"/> CMake	1	Not installed
<input type="checkbox"/> Android Auto API Simulators	2.0	Not installed
<input type="checkbox"/> Android Auto Desktop Head Unit Emulator	36.4.9	Installed
<input checked="" type="checkbox"/> Android Emulator	2.2.0	Installed
<input checked="" type="checkbox"/> Android Emulator hypervisor driver (installer)	36.0.2	Installed
<input checked="" type="checkbox"/> Android Platform-Tools	47.0.0	Not installed
<input type="checkbox"/> Android Support Repository	1	Not installed
<input type="checkbox"/> Google Play APK Expansion library	1.9.0	Not installed
<input type="checkbox"/> Google Play Instant Development SDK (Deprecated)	1	Not installed
<input type="checkbox"/> Google Play Licensing Library	49	Not installed
<input type="checkbox"/> Google Play services	5.8	Not installed
<input type="checkbox"/> Google Repository		

OK Cancel Apply

Project-level settings will be applied to new projects

⚠ Confirm Change

The following components will be installed:

- Android SDK Command-line Tools (latest)
v.20.0

Disk usage:

- Estimated download size: 143.6 MB
- Estimated disk space to be additionally

Cancel OK

SDK Quickfix Installation

SDK Component Installer

Completing Requested Actions

SDK Path: C:\Users\p\AppData\Local\Android\Sdk

Packages to install: - Android SDK Command-line Tools (latest) (cmdline-tools;latest)

```
Preparing "Install Android SDK Command-line Tools (latest) v.20.0".
Downloading https://dl.google.com/android/repository/commandlinetools-win-14742923_latest.zip
"Install Android SDK Command-line Tools (latest) v.20.0" ready.
Installing Android SDK Command-line Tools (latest) in
C:\Users\p\AppData\Local\Android\Sdk\cmdline-tools\latest
"Install Android SDK Command-line Tools (latest) v.20.0" complete.
"Install Android SDK Command-line Tools (latest) v.20.0" finished.
```

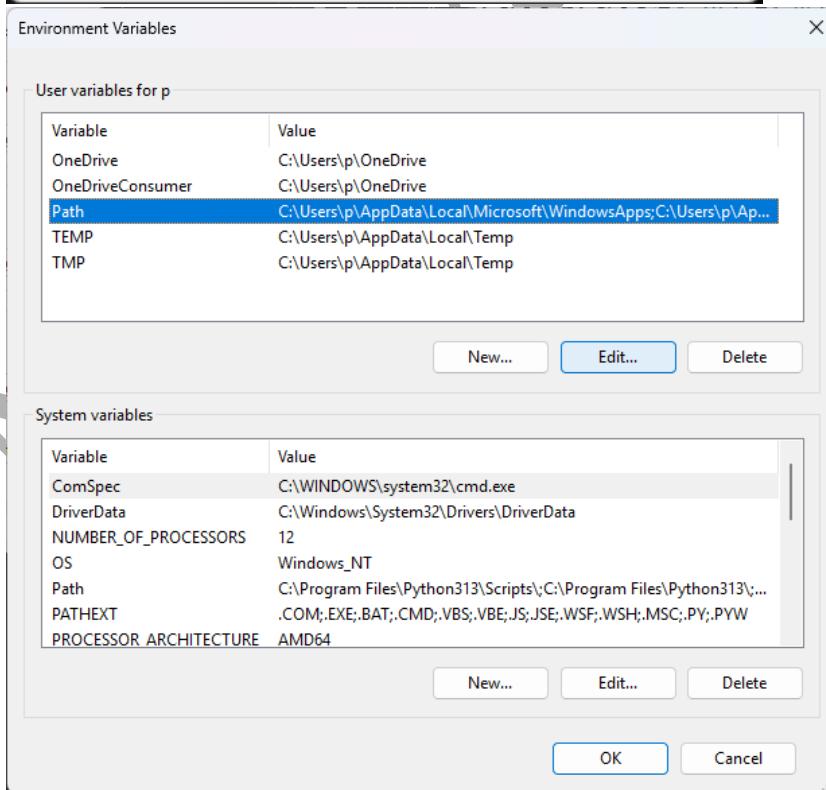
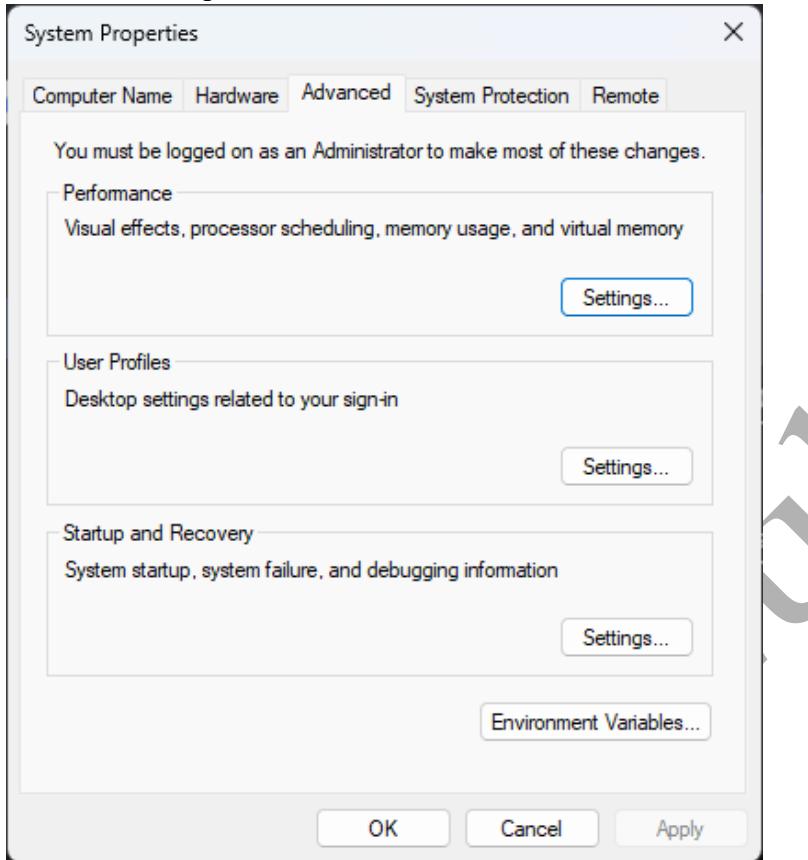
Done

Background Cancel Finish



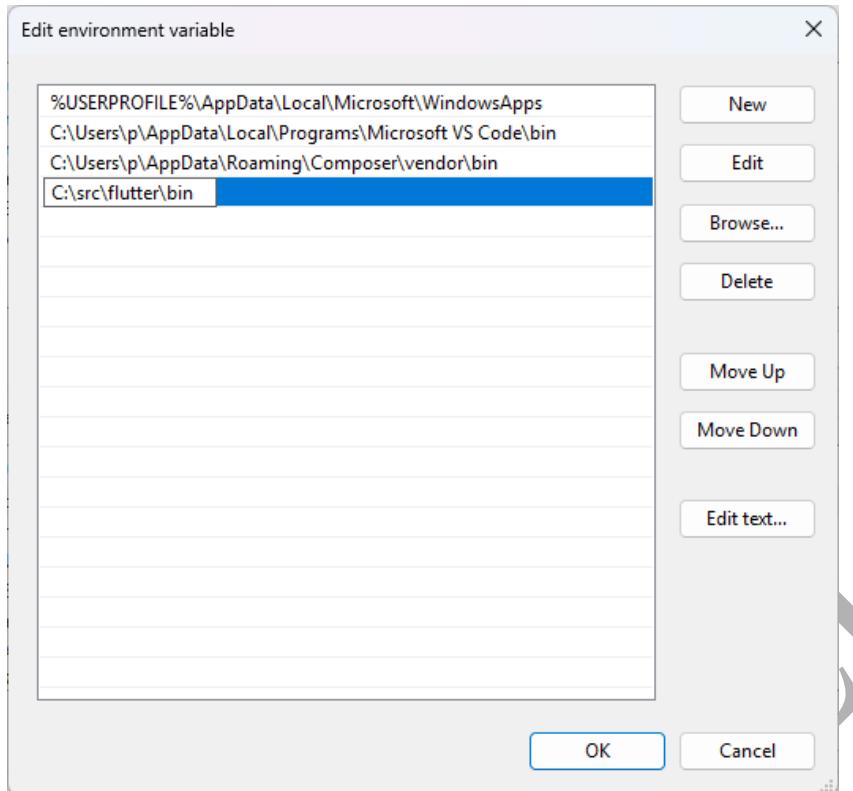
NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING

5. Menambahkan path flutter/bin





NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING



```
C:\Users\p>flutter
Building flutter tool...
Running pub upgrade...
Resolving dependencies... (3.4s)
Downloading packages... (24.8s)
Got dependencies.
Manage your Flutter app development.

Common commands:
  flutter create <output directory>
    Create a new Flutter project in the specified directory.

  flutter run [options]
    Run your Flutter application on an attached device or in an emulator.

Usage: flutter <command> [<arguments>]

Global options:
  -h, --help          Print this usage information.
  -v, --verbose       Noisy logging, including all shell commands executed.
                      If used with "--help", shows hidden options. If used with "flutter doctor", shows additional
                      diagnostic information. (Use "-vv" to force verbose logging in those cases.)
  -d, --device-id     Target device id or name (prefixes allowed).
  --version           Reports the version of this tool.
  --enable-analytics  Enable telemetry reporting each time a flutter or dart command runs.
  --disable-analytics Disable telemetry reporting each time a flutter or dart command runs, until it is
                        re-enabled.
  --suppress-analytics Suppress analytics reporting for the current CLI invocation.
```



NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING

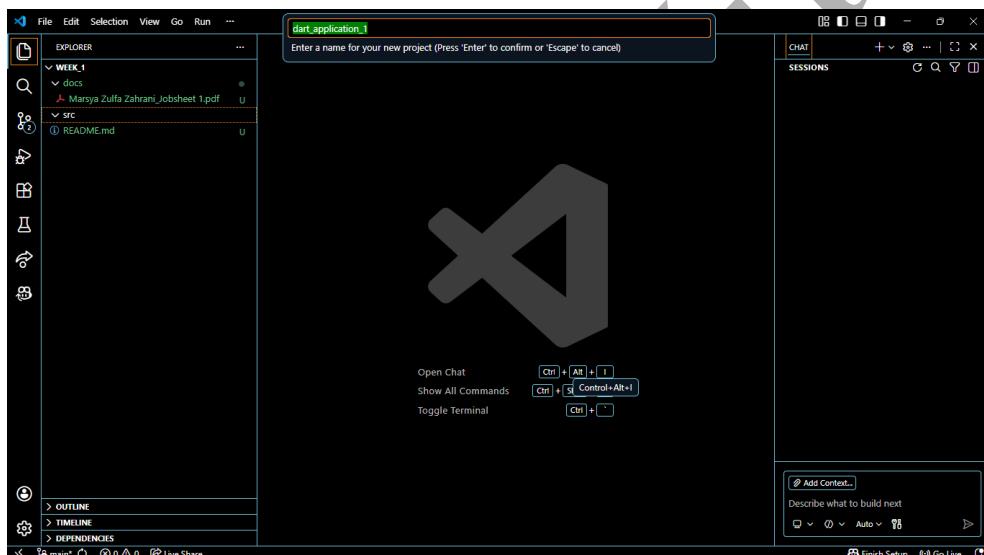
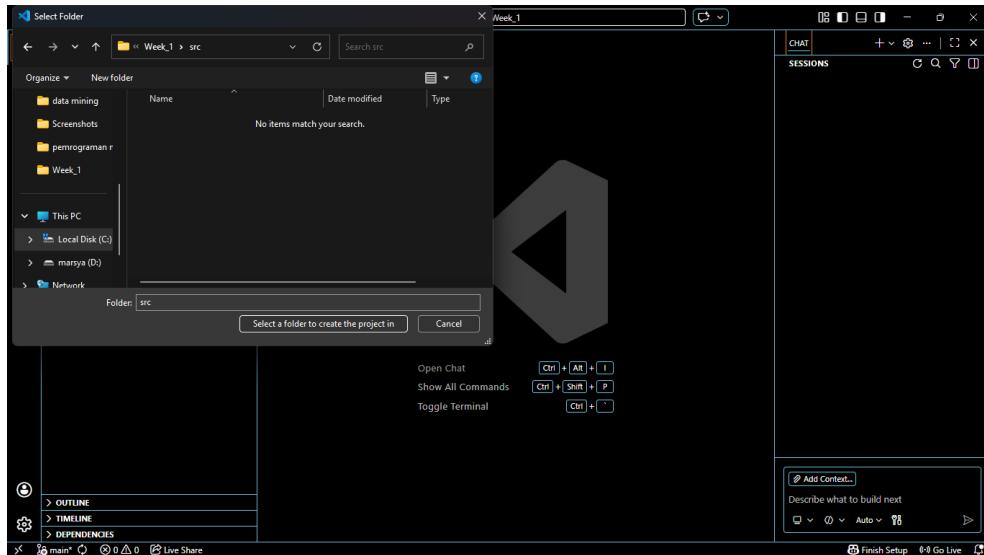
6. Install flutter di VSCode dan membuat projek

The image consists of three vertically stacked screenshots of the Visual Studio Code (VS Code) interface.

- Top Screenshot:** Shows the Extensions Marketplace search results for "flu". The top result is "Flutter" by Dart Code, which is currently installing. Other extensions like "Flutter Widget Snippets" and "Fluent Icons" are also listed.
- Middle Screenshot:** Shows the Command Palette open with the following options:
 - Dart: New Project
 - Python: Select Interpreter
 - Python: Create Environment...
 - Code Screenshot
 - Accounts: Manage Accounts
 - Accounts: Manage Extension Account Preferences...
 - Accounts: Manage Trusted Extensions For Account
 - Accounts: Manage Trusted MCP Servers For Account
 - Add Cursor Above
 - Add Cursor Below
 - Add Cursors to Bottom
 - Add Cursors to Line Ends
 - Add Cursors to TopKey bindings for these commands are shown on the right: **Alt + Windows + V** for "recently used", **Ctrl + Alt + UpArrow** for "Add Cursor Above", **Ctrl + Alt + DownArrow** for "Add Cursor Below", and **Shift + Alt + I** for "Add Cursors to Line Ends".
- Bottom Screenshot:** Shows the Explorer sidebar with a project named "WEEK_1" containing "docs", "src", and "README.md". A context menu is open over the "src" folder, listing "Which Dart template?". The options are:
 - Bare-bones Web App web: A web app that uses only core Dart libraries.
 - CLI Application cli: A command-line application with basic argument parsing.
 - Console Application console: A command-line application.
 - Dart Package package: A command-line application.
 - Server app server-shell: A package containing shared Dart libraries.
 - Server app server-shell: A server app using packageshell.At the bottom of the interface, there are keyboard shortcuts for "Open Chat" (**Ctrl + Alt + I**), "Show All Commands" (**Ctrl + Shift + P**), and "Toggle Terminal" (**Ctrl + T**).



NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING



Hasil Hello World

```
Week_1 > src > dart_application_1 > lib > dart_application_1.dart > ...
1 int calculate() {
2   return 6 * 7;
3 }
4
```



NAME : MARYA ZULFA ZAHRANI
NIM : 244107060005
ABSENT : 11
CLASS : SIB 2G
OBJECT : MOBILE PROGRAMMING

```
Week_1 > src > dart_application_1 > bin > dart_application_1.dart > ...
1 import 'package:dart_application_1/dart_application_1.dart' as dart_application_1;
2
3 Run | Debug
4 void main(List<String> arguments) {
5   print('Hello world: ${dart_application_1.calculate()}!');
6 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
Connecting to VM Service at ws://127.0.0.1:50134/0VhuzpQdA5s=/ws
Connected to the VM Service.
Hello world: 42!

Exited.
```

Tambah hitung luas segitiga

```
Week_1 > src > dart_application_1 > lib > dart_application_1.dart > ...
1 int calculate() {
2   return 6 * 7;
3 }
4
5 // menambahkan untuk mencari luas segitiga
6 double segitiga() {
7   return 0.5 * 5 * 10;
8 }
```

```
Week_1 > src > dart_application_1 > bin > dart_application_1.dart > main
1 import 'package:dart_application_1/dart_application_1.dart' as dart_application_1;
2
3 Run | Debug
4 void main(List<String> arguments) {
5   print('Hello world: ${dart_application_1.calculate()}!');
6   // luas segitiga
7   print('Luas Segitiga: ${dart_application_1.segitiga()}');
8 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
Connecting to VM Service at ws://127.0.0.1:55792/pq35mIdlM-E=/ws
Connected to the VM Service.
Hello world: 42!
Luas Segitiga: 25.0
```