#### Wilasta Kurniawan 201011401307 06TPLM006 (Mobile Programming Tugas Pertemuan 01)

- 1. Instalasi Flutter
  - I. Download Flutter SDK pada flutter official website

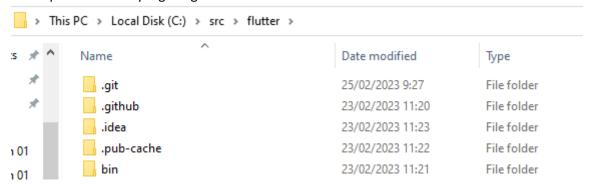
# Get the Flutter SDK

1. Download the following installation bundle to get the latest stable release of the Flutter SDK:

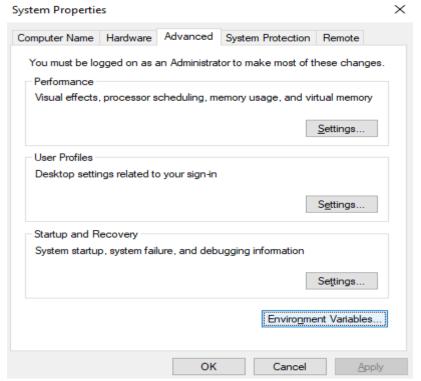
flutter\_windows\_3.7.5-stable.zip

For other release channels, and older builds, see the SDK releases page.

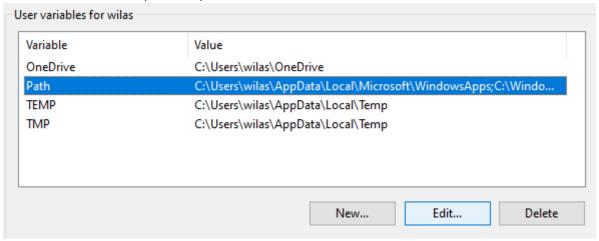
- II. Extract zip file yang sudah di download
  - | flutter | flutter\_windows\_3.7.5-stable.zip
- III. Taruh pada direktori yang diinginkan



IV. Masuk ke environment variables menu pada windows



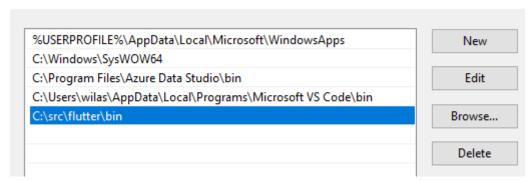
V. Pilih user variables dan pilih edit pada Path



X

VI. Tulis direktori flutter yang telah diekstrak

Edit environment variable



VII. Buka command prompt dan tuliskan flutter --version, maka akan tampil seperti ini

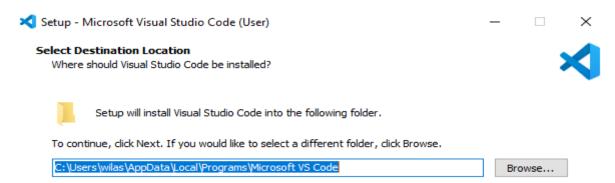
Command Prompt - flutter - flutter -v - flutter --version

```
C:\Users\wilas>flutter --version
Flutter 3.7.5 • channel stable • https://github.com/flutter/flutter.git
Framework • revision c07f788888 (2 days ago) • 2023-02-22 17:52:33 -0600
Engine • revision 0f359063c4
Tools • Dart 2.19.2 • DevTools 2.20.1
```

- 2. Instalasi Visual Studio Code
  - I. Jalankan file VSCodeUserSetup-x64-1.75.1.exe

▼ VSCodeUserSetup-x64-1.75.1.exe

II. Pilih direktori instalasi dan penamaan direktori



| III. | Pilih apakah perlu menambahkan start menu folder atau tidak  ズ Setup - Microsoft Visual Studio Code (User)   □ ×  |
|------|---|
|      | Select Start Menu Folder Where should Setup place the program's shortcuts?  |
|      | Setup will create the program's shortcuts in the following Start Menu folder.                                     |
|      | To continue, click Next. If you would like to select a different folder, click Browse.                            |
|      | Visual Studio Code Browse   |
|      |   |
|      |   |
|      |   |
|      |   |
|      |   |
|      |   |
|      |   |
|      |   |
|      | ☐ Don't create a Start Menu folder  |
|      |   |
|      | < Back Next > Cancel  |
| IV.  | Pilih penambahan tugas-tugas yang diinginkan  |
|      | ✓ Setup - Microsoft Visual Studio Code (User)   |
|      | Select Additional Tasks   |
|      | Which additional tasks should be performed?   |
|      |   |
|      | Select the additional tasks you would like Setup to perform while installing Visual Studio Code, then click Next. |
|      | Additional icons:   |
|      | ✓ Create a desktop icon   |
|      | Other:  |
|      | Add "Open with Code" action to Windows Explorer file context menu   |
|      | Add "Open with Code" action to Windows Explorer directory context menu  |
|      | Register Code as an editor for supported file types   |
|      | Add to PATH (requires shell restart)  |
|      |   |
|      |   |
|      |   |
|      |   |

(Pauls Nauk) Canad

V. Pastikan hal-hal yang diinginkah telah dipilih lalu klik install



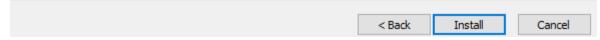
#### Ready to Install

Setup is now ready to begin installing Visual Studio Code on your computer.



Click Install to continue with the installation, or click Back if you want to review or change any settings.



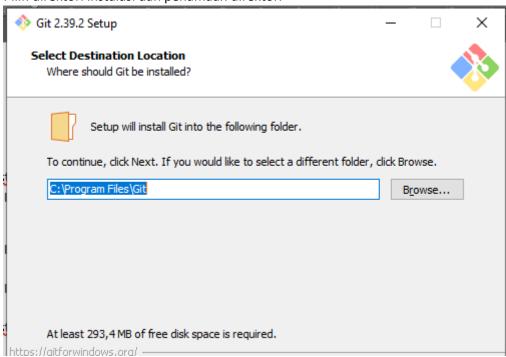


#### 3. Instalasi Git

I. Jalankan file Git-2.39.2-64-bit.exe



II. Pilih direktori instalasi dan penamaan direktori



III. Pilih komponen yang ingin di install Git 2.39.2 Setup Select Components Which components should be installed? Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue. Additional icons ... On the Desktop ✓ Windows Explorer integration Git Bash Here Git GUI Here ✓ Git LFS (Large File Support) Associate .git\* configuration files with the default text editor Associate .sh files to be run with Bash Check daily for Git for Windows updates (NEW!) Add a Git Bash Profile to Windows Terminal Current selection requires at least 293,4 MB of disk space. https://gitforwindows.org/ -<u>B</u>ack <u>N</u>ext Cancel IV. Pilih apakah perlu menambahkan start menu folder atau tidak Git 2.39.2 Setup Select Start Menu Folder Where should Setup place the program's shortcuts? Setup will create the program's shortcuts in the following Start Menu folder. To continue, click Next. If you would like to select a different folder, click Browse. Browse... Don't create a Start Menu folder https://gitforwindows.org/ Back Next Cancel

V. Pilih editor yang digunakan untuk Git

## Choosing the default editor used by Git

Which editor would you like Git to use?



Use Visual Studio Code as Git's default editor

<u>Visual Studio Code</u> is an Open Source, lightweight and powerful editor running as a desktop application. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages (such as C++, C#, Java, Python, PHP, Go) and runtimes (such as .NET and Unity).

(WARNING!) This will be installed only for this user.

Use this option to let Git use Visual Studio Code as its default editor.

VI. Pilih nama default branch untuk repositori yang baru dibuat



### Adjusting the name of the initial branch in new repositories

What would you like Git to name the initial branch after "git init"?



## Let Git decide

Let Git use its default branch name (currently: "master") for the initial branch in newly created repositories. The Git project <u>intends</u> to change this default to a more inclusive name in the near future.

Override the default branch name for new repositories

NEW! Many teams already renamed their default branches; common choices are "main", "trunk" and "development". Specify the name "git init" should use for the initial branch:

main

This setting does not affect existing repositories.

VII. Pilih PATH Environment yang digunakan untuk mengakses Git

#### Adjusting your PATH environment

How would you like to use Git from the command line?



## O Use Git from Git Bash only

This is the most cautious choice as your PATH will not be modified at all. You will only be able to use the Git command line tools from Git Bash.

Git from the command line and also from 3rd-party software

(Recommended) This option adds only some minimal Git wrappers to your PATH to avoid cluttering your environment with optional Unix tools. You will be able to use Git from Git Bash, the Command Prompt and the Windows PowerShell as well as any third-party software looking for Git in PATH.

Use Git and optional Unix tools from the Command Prompt

Both Git and the optional Unix tools will be added to your PATH. Warning: This will override Windows tools like "find" and "sort". Only use this option if you understand the implications.

| VIII. | Pilih SSH bawaan Git atau dari source lain  ♦ Git 2.39.2 Setup  |
|-------|---|
|       | Choosing the SSH executable  Which Secure Shell client program would you like Git to use?   |
|       | Use bundled OpenSSH  This uses ssh.exe that comes with Git.   |
|       | _   |
|       | Use external OpenSSH NEW! This uses an external ssh.exe. Git will not install its own OpenSSH (and related) binaries but use them as found on the PATH.   |
|       |   |
|       | https://gitforwindows.org/  |
| IX.   | Pilih SSL/TLS yang ingin dipakai untuk HTTPS koneksi  ◆ Git 2.39.2 Setup  |
|       | Choosing HTTPS transport backend Which SSL/TLS library would you like Git to use for HTTPS connections?   |
|       | Use the OpenSSL library   |
|       | Server certificates will be validated using the ca-bundle.crt file.   |
|       | ○ Use the native Windows Secure Channel library   |
|       | Server certificates will be validated using Windows Certificate Stores.  This option also allows you to use your company's internal Root CA certificates distributed e.g. via Active Directory Domain Services. |
|       |   |
|       |   |

Next

Cancel

Back

https://gitforwindows.org/ -

| w Git       | 2.39.2 Setup   |  |   | ile  |   | _            |  |
|-------------|--|--|---|--|---|--------------|--|
|             |  | <b>line ending c</b><br>treat line endir   | conversions<br>ngs in text files  | 5?   |   |              |  |
| (           | Checkout   | Windows-st   | yle, commit   | Unix-style lin   | e endings   |              |  |
|             | text files,  | CRLF will be o   | onverted to LF  | ing out text file<br>F. For cross-plat<br>ndows ("core.au  | form projec   | ts,          | -  |
|             | Checkout   | as-is, comm  | it Unix-style   | line endings   |   |              |  |
|             | committing   | g text files, CF   | RLF will be conv  | en checking out<br>verted to LF. Fo<br>ix ("core.autocr  | r cross-plat  | form (       | projects   |
|             | Checkout   | as-is, comm  | nit as-is   |  |   |              |  |
| nttps://gil | text files.  | Choosing this<br>core autocrlf   |   | hen checking ou<br>ecommended fo<br>e").   |   |              |  |
|             |  |  |   |  |   | _            |  |
|             |  |  |   | Back   | Next  |              | Ca   |
| Memilih     | ı terminal y   | ang diguna   | kan untuk G   |  | Next  |              | Ca   |
|             | terminal y<br>.39.2 Setup  | ang diguna   | kan untuk G   |  | Next  |              | Ca   |
| Sit 2       | .39.2 Setup  | erminal em   | ulator to use   |  | -   | -            | Ca   |
| Oit 2       | .39.2 Setup  guring the to the distribution of | e <b>rminal em</b> i   | ulator to use   | it Bash with Git Bash with your Git Ba   | -   | -            | Ca   |
| Sit 2 Confi | .39.2 Setup  guring the t  nich terminal e  Use MinTT  Git Bash w  non-rectar  | erminal emi<br>emulator do yo<br>Y (the defau<br>ill use MinTTY engular selection  | ulator to use<br>u want to use<br>ult terminal on<br>as terminal emins and a Unico  | it Bash with Git Bash with your Git Ba   | orts a resizi   | progra       | vindow,  |
| Oit 2       | guring the to<br>inich terminal e  | erminal emonemulator do you  Y (the defau ill use MinTTY in a selection itive Python) m  | ulator to use<br>u want to use<br>ult terminal on<br>as terminal emins and a Unico  | it Bash with Git Bash with your Git Ba of MSYS2) ulator, which sp de font. Windo d via `winpty`  | orts a resizi   | progra       | vindow,  |
| Sit 2 Confi | guring the to<br>inich terminal ed<br>Use MinTT<br>Git Bash w<br>non-rectar<br>as interact<br>Use Windo<br>Git will use<br>with Win32<br>very limited<br>order to di   | Y (the default of the | ulator to use u want to use ult terminal of as terminal emins and a Unico ust be launche console window rams such as ir l-back, needs to console to | it Bash with Git Bash with your Git Ba of MSYS2) ulator, which sp de font. Windo d via `winpty`  | orts a resize ws console p to work in N on or node. I to use a U rior to Wind | hich vis, bu | vindow,<br>ams (suc<br>/.<br>works w<br>t has a<br>e font in<br>10 its |
| Sit 2 Confi | guring the to<br>inich terminal ed<br>Use MinTT<br>Git Bash w<br>non-rectar<br>as interact<br>Use Windo<br>Git will use<br>with Win32<br>very limited<br>order to di   | Y (the default of the | ulator to use u want to use ult terminal of as terminal emins and a Unico ust be launche console window rams such as ir l-back, needs to console to | it Bash  with Git Bash with your Git Ba  of MSYS2)  ulator, which sp de font. Window d via `winpty`  low  of Windows ("conteractive Pythoto be configured correctly, and p | orts a resize ws console p to work in N on or node. I to use a U rior to Wind | hich vis, bu | vindow,<br>ams (suc<br>/.<br>works w<br>t has a<br>e font in<br>10 its |
| Sit 2 Confi | guring the to<br>inich terminal ed<br>Use MinTT<br>Git Bash w<br>non-rectar<br>as interact<br>Use Windo<br>Git will use<br>with Win32<br>very limited<br>order to di   | Y (the default of the | ulator to use u want to use ult terminal of as terminal emins and a Unico ust be launche console window rams such as ir l-back, needs to console to | it Bash  with Git Bash with your Git Ba  of MSYS2)  ulator, which sp de font. Window d via `winpty`  low  of Windows ("conteractive Pythoto be configured correctly, and p | orts a resize ws console p to work in N on or node. I to use a U rior to Wind | hich vis, bu | vindow,<br>ams (suc<br>/.<br>works w<br>t has a<br>e font in<br>10 its |

| XII.  | Memilih setelan default saat melakukan p  | oull pada git                          |                          |         |    |
|-------|---|--|--------------------------|---------|----|
|       | Git 2.39.2 Setup  |  | _                        |         | ×  |
|       | Choose the default behavior of `git pull`<br>What should `git pull` do by default?    |  |                          |         |    |
|       | Default (fast-forward or merge)  This is the streeded behavior of `site               | ull's fact facus                       | d the success because    | anda ta |    |
|       | This is the standard behavior of `git p<br>the fetched branch when possible, ot       | null : fast-forwar<br>nerwise create a | merge commit.            | inch to |    |
|       | ○ Rebase  |  |                          |         |    |
|       | Rebase the current branch onto the for<br>commits to rebase, this is equivalent t     |  |                          | cal     |    |
|       | Only ever fast-forward  |  |                          |         |    |
|       | Fast-forward to the fetched branch. F   | ail if that is not p                   | possible.                |         |    |
|       |   |  |                          |         |    |
|       | https://gitforwindows.org/  |  |                          |         |    |
|       |   | <u>B</u> ack                           | <u>N</u> ext             | Cance   | el |
| KIII. | Pilih memakai credential atau tidak   |  |                          |         |    |
|       | Git 2.39.2 Setup  |  | _                        |         | ×  |
|       | Choose a credential helper Which credential helper should be configure                | d?                                     |                          |         | 3  |
|       | Git Credential Manager  |  |                          |         |    |
|       | Use the <u>cross-platform Git Credential</u><br>See more information about the future |  | al Manager <u>here</u> . |         |    |
|       | ○ None  |  |                          |         |    |
|       | Do not use a credential helper.   |  |                          |         |    |
|       |   |  |                          |         |    |
|       |   |  |                          |         |    |
|       |   |  |                          |         |    |
|       |   |  |                          |         |    |
|       | https://gitforwindows.org/  |  |                          |         |    |
|       |   | Back                                   | Next                     | Cance   | el |
|       |   |  |                          |         |    |

|   | Aktifkan system caching & symbolic links atau tidak   |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|
|   | ♦ Git 2.39.2 Setup — □ ×  |  |  |  |  |  |  |
|   | Configuring extra options   |  |  |  |  |  |  |
|   | Which features would you like to enable?  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |
|   | Enable file system caching  |  |  |  |  |  |  |
|   | File system data will be read in bulk and cached in memory for certain operations ("core.fscache" is set to "true"). This provides a significant performance boost. |  |  |  |  |  |  |
|   | ☐ Enable symbolic links   |  |  |  |  |  |  |
|   | Enable <u>symbolic links</u> (requires the SeCreateSymbolicLink permission). Please note that existing repositories are unaffected by this setting.                 |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |
|   | nttps://gitforwindows.org/ —  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |
|   | 2000  |  |  |  |  |  |  |
|   | Pilih opsi eksperimen dan klik install  |  |  |  |  |  |  |
|   | ♦ Git 2.39.2 Setup — □ ×  |  |  |  |  |  |  |
|   | Configuring experimental options  These features are developed actively. Would you like to try them?  |  |  |  |  |  |  |
| Enable experimental support for pseudo consoles.                            |   |  |  |  |  |  |  |
| (NEW!) This allows running native console programs like Node or Python in a |   |  |  |  |  |  |  |
| Git Bash window without using winpty, but it still has known bugs.          |   |  |  |  |  |  |  |
| ☐ Enable experimental built-in file system monitor                          |   |  |  |  |  |  |  |
| (NEW!) Automatically run a built-in file system watcher, to speed up common |   |  |  |  |  |  |  |
|   | operations such as `git status`, `git add`, `git commit`, etc in worktrees containing many files.   |  |  |  |  |  |  |
|   | correcting that y mest  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |
|   | https://gitforwindows.org/ ————————————————————————————————————   |  |  |  |  |  |  |
|   | Back Install Cancel   |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |