

MODUL 1

Pengantar Pemrograman Mobile

(Disusun untuk memenuhi tugas matakuliah Pemrograman Mobile)



Dosen Pembina :

Habibie Ed Dien, S.Kom. M.T.

Disusun Oleh :

Icha Dewi Putriana

2241720069

PROGRAM STUDI TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

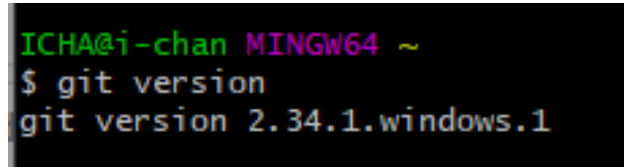
POLITEKNIK NEGERI MALANG

Agustus 2024

Verifikasi Hasil instalasi Git

Jika telah berhasil melakukan install Git, silakan verifikasi dengan membuka Command Prompt (CMD) atau Git Bash atau Terminal sesuai dengan sistem operasi Anda. Lalu ketikkan perintah berikut:

- `git --version`

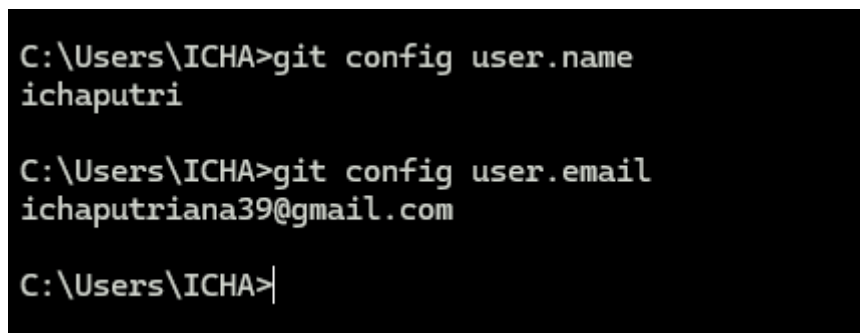


```
ICHA@i-chan MINGW64 ~  
$ git version  
git version 2.34.1.windows.1
```

Konfigurasi Akun Git di OS

Jika telah berhasil melakukan instalasi Git, maka perlu diset akun secara global untuk mengidentifikasi bahwa akun yang ingin digunakan adalah milik Anda. Lakukan perintah berikut pada CMD, Git Bash atau Terminal.

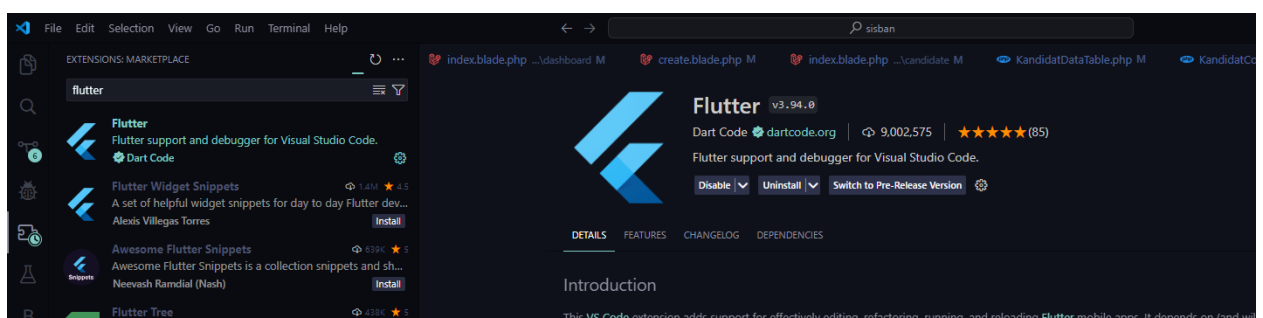
1. Ketik perintah `git config --global user.name "username Anda"` untuk menset username Anda secara global pada sistem.
2. Lalu perintah `git config --global user.email "email@email.com"` isi sesuai email yang Anda gunakan di akun GitHub.



```
C:\Users\ICHA>git config user.name  
ichaputri  
  
C:\Users\ICHA>git config user.email  
ichaputriana39@gmail.com  
  
C:\Users\ICHA>
```

Instalasi Flutter Extension

Untuk memasang Flutter Extension di VsCode, pada kolom pencarian plugin ketik flutter lalu pilih install pada bagian deskripsi plugin

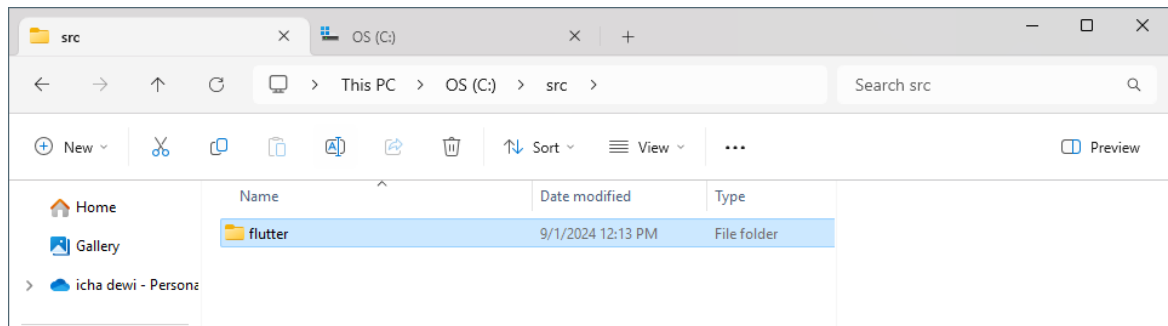


Instalasi Flutter SDK

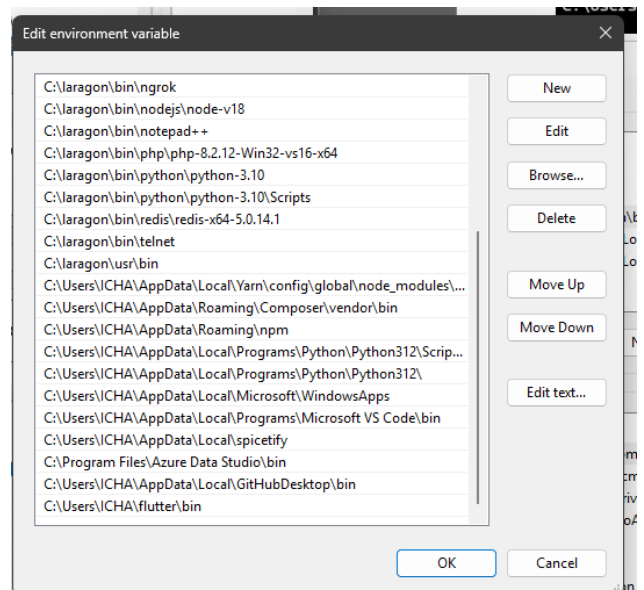
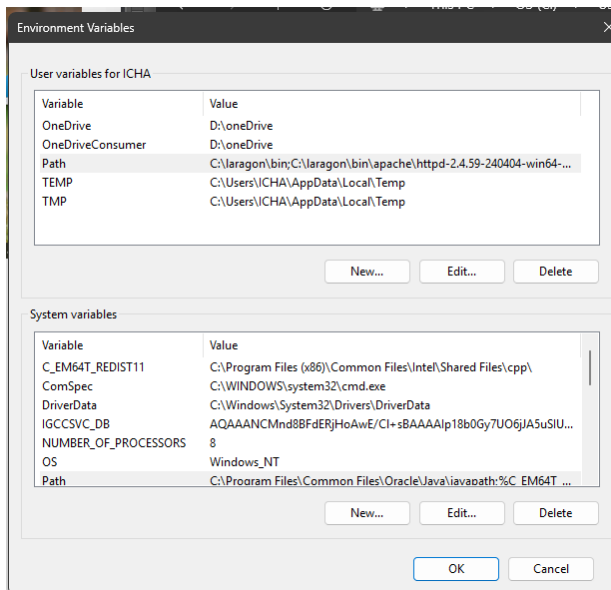
1. Download Flutter SDK, Silakan klik tautan berikut dan pilih sesuai dengan Sistem Operasi pada Laptop atau komputer Anda:

<https://docs.flutter.dev/get-started/install>

2. Extract file yang di download ke harddisk anda contoh lokasi ke C:\src\flutter (JANGAN di install ke folder C:\Program Files\ karena membutuhkan akses admin)

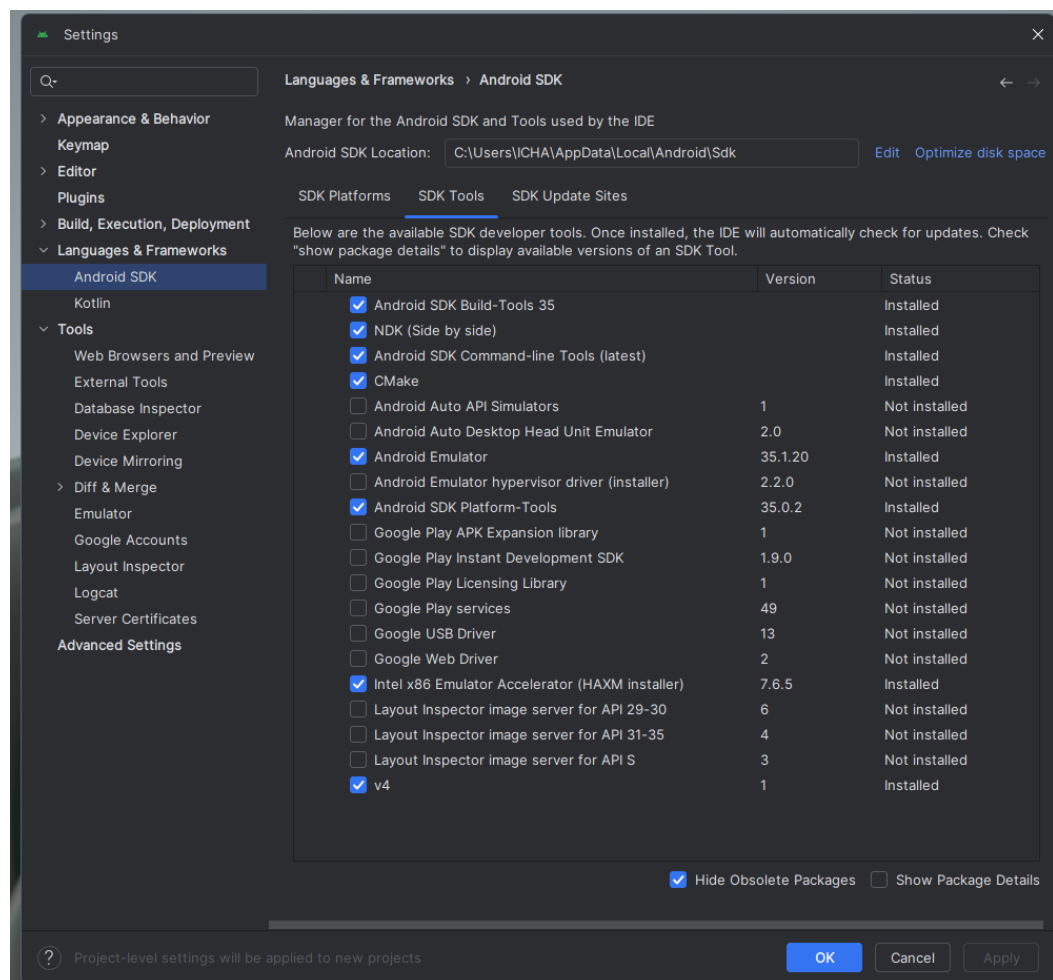


3. Update Windows PATH tambahkan path menuju folder C:\src\flutter\bin
4. Pilih Variabel Path > Klik Button Edit
5. Pilih New > Paste alamat folder letak Flutter SDK Anda di-install.



Instalasi Android Studio dan SDK

1. Silakan unduh dan install Android Studio pada link berikut: <https://developer.android.com/studio>
2. Setelah berhasil install, buka Android Studio kemudian jalankan 'Android Studio Setup Wizard'. Ini akan melakukan pemasangan:
 1. Android SDK terbaru
 2. Android SDK Command-line Tools
 3. Android SDK Build-Tools
 4. Perangkat tersebut dibutuhkan Flutter ketika mengembangkan aplikasi Android



3. Jalankan flutter doctor di PowerShell untuk memastikan semua telah terinstal dengan benar.
4. Jika perintah flutter doctor mengeluarkan hasil seperti gambar di atas maka anda perlu menerima lisensi android SDK dengan mengetikkan perintah berikut ini di terminal.

```
Windows PowerShell
PS C:\Users\ICHA> flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.24.1, on Microsoft Windows [Version 10.0.26058.1300], locale en-US)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[✓] Android toolchain - develop for Android devices (Android SDK version 31.0.0)
[!] Some Android licenses not accepted. To resolve this, run: flutter doctor --android-licenses
[✓] Chrome - develop for the web
[✓] Visual Studio - develop Windows apps (Visual Studio Community 2022 17.11.2)
[✓] Android Studio (version 2024.1)
[✓] VS Code (version 1.92.2)
[✓] Connected device (3 available)
[✓] Network resources

! Doctor found issues in 1 category.
PS C:\Users\ICHA> flutter doctor --android-licenses
Warning: Observed package id 'platform-tools' in inconsistent location 'C:\Users\ICHA\AppData\Local\Android\Sdk\platform-tools\platform-tools.backup' (Expected 'C:\Users\ICHA\AppData\Local\Android\Sdk\platform-tools')
Warning: Already observed package id 'platform-tools' in 'C:\Users\ICHA\AppData\Local\Android\Sdk\platform-tools'. Skipping duplicate at 'C:\Users\ICHA\AppData\Local\Android\Sdk\platform-tools.backup'
Warning: Observed package id 'platform-tools' in inconsistent location 'C:\Users\ICHA\AppData\Local\Android\Sdk\platform-tools\platform-tools.backup' (Expected 'C:\Users\ICHA\AppData\Local\Android\Sdk\platform-tools')
Warning: Already observed package id 'platform-tools' in 'C:\Users\ICHA\AppData\Local\Android\Sdk\platform-tools'. Skipping duplicate at 'C:\Users\ICHA\AppData\Local\Android\Sdk\platform-tools.backup'
[=====] 100% Computing updates...
6 of 7 SDK package licenses not accepted.
Review licenses that have not been accepted (y/N)? y

1/6: License android-googletv-license:
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-----
Accept? (y/N): y
All SDK package licenses accepted

PS C:\Users\ICHA> flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.24.1, on Microsoft Windows [Version 10.0.26058.1300], locale en-US)
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[✓] Visual Studio - develop Windows apps (Visual Studio Community 2022 17.11.2)
[✓] Android Studio (version 2024.1)
[✓] VS Code (version 1.92.2)
[✓] Connected device (3 available)
[✓] Network resources

• No issues found!
PS C:\Users\ICHA>
```