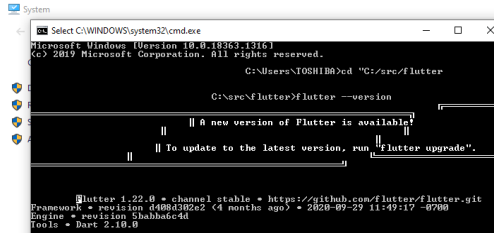


Anisa XII RPL 1

1. Update / Upgrade Dart SDK (bisa menggunakan vscode)
2. Upgrade Flutter SDK
 - a. Sebelum di update



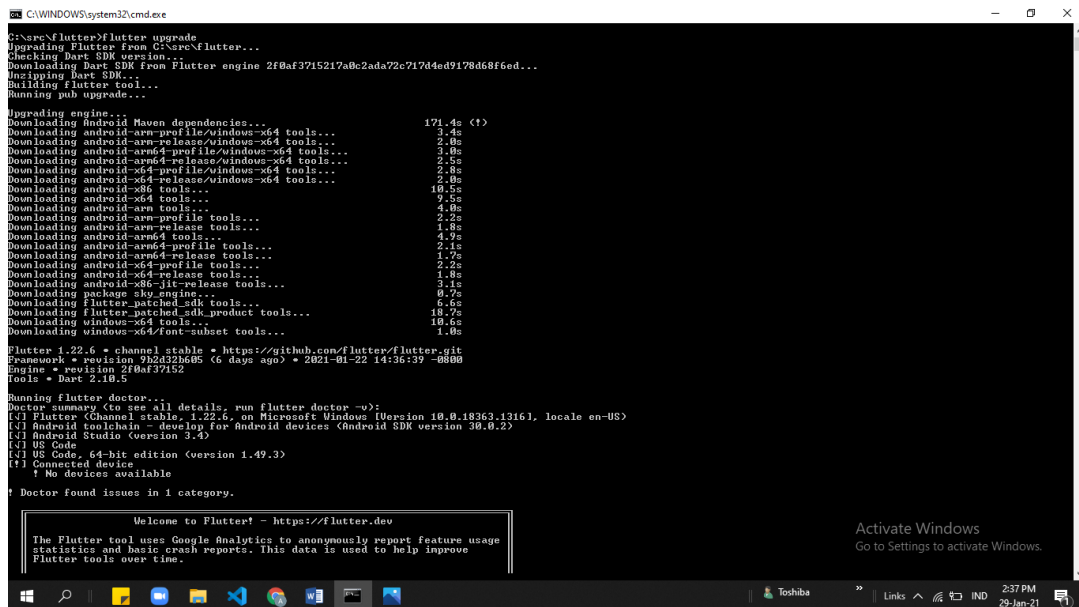
```
Microsoft Windows [Version 10.0.18363.1316]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\TOSHIBA>cd "C:\src\flutter"

C:\src\flutter>flutter --version

Flutter 1.22.0 • channel stable • https://github.com/flutter/flutter.git
Framework • revision 4484302e2 (4 months ago) • 2020-09-29 11:49:17 -0700
Engine • revision 5ab9854f4d
Tools • Dart 2.10.0
```

b. Setelah Di update



```
C:\src\flutter>flutter upgrade
Upgrading Flutter from C:\src\flutter...
Downloading Dart SDK from Flutter engine 2f0af3715217a0c2ada72c717d4ed9178d68f6ed...
Unzipping Dart SDK...
Building Flutter tool...
Running pub upgrade...

Upgrading engine...
Downloading Android NDK dependencies... 171.4s (!)
Downloading android-arm-profile/windows-x64 tools... 3.4s
Downloading android-arm-release/windows-x64 tools... 2.0s
Downloading android-arm64-profile/windows-x64 tools... 3.0s
Downloading android-arm64-release/windows-x64 tools... 2.5s
Downloading android-x64-profile/windows-x64 tools... 2.3s
Downloading android-x64-release/windows-x64 tools... 2.0s
Downloading android-x86 tools... 10.5s
Downloading android-x64 tools... 9.5s
Downloading android-arm tools... 4.0s
Downloading android-arm-profile tools... 2.2s
Downloading android-arm-release tools... 1.8s
Downloading android-arm64 tools... 4.9s
Downloading android-arm64-profile tools... 2.1s
Downloading android-arm64-release tools... 1.7s
Downloading android-x64-profile tools... 2.2s
Downloading android-x64-release tools... 1.8s
Downloading android-x86-jit-release tools... 3.1s
Downloading package x86 engine... 0.7s
Downloading flutter_patched_sdk tools... 6.6s
Downloading flutter_patched_sdk_product tools... 19.7s
Downloading windows-x64 tools... 10.6s
Downloading windows-x64/font-subset tools... 1.0s

Flutter 1.22.6 • channel stable • https://github.com/flutter/flutter.git
Framework • revision 9b2d22865 (6 days ago) • 2021-01-22 14:36:39 -0800
Engine • revision 2f0af37152
Tools • Dart 2.10.5

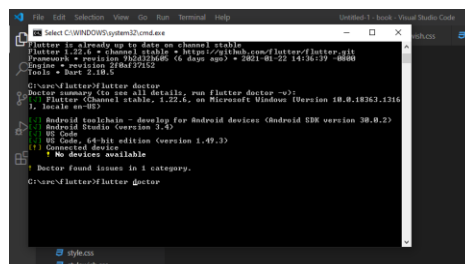
Running Flutter doctor...
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 1.22.6, on Microsoft Windows [Version 10.0.18363.1316], locale en-US)
[✓] Android toolchain - developing for Android devices (Android SDK version 30.0.2)
[✓] Android Studio (version 3.4)
[✓] VS Code, 64-bit edition (version 1.49.3)
[✓] Connected device
    ! No devices available

! Doctor found issues in 1 category.

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.
```

3. Cek Flutter doctor (Checklist Warna Hijau)
- android sdk dan android virtual device



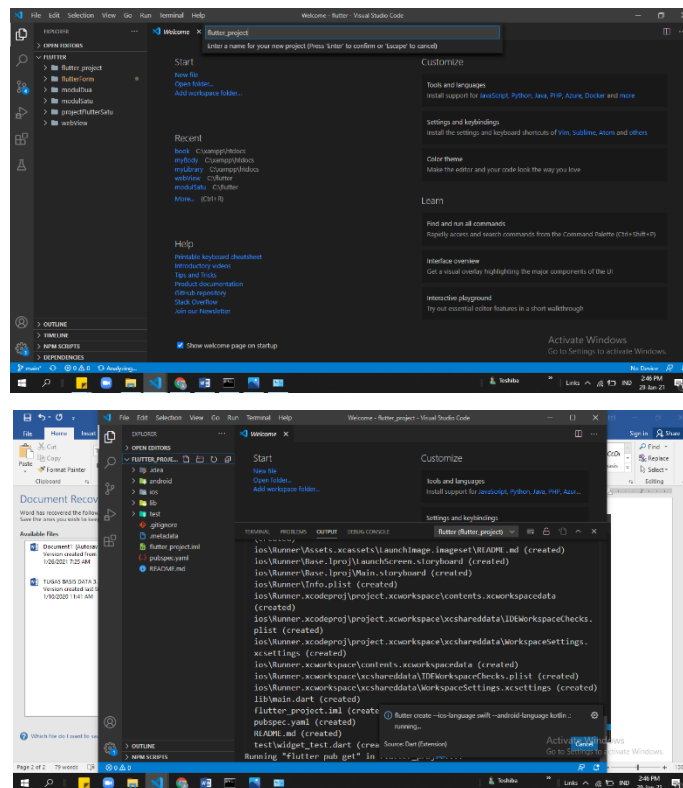
```
Flutter is already up to date on channel stable
Flutter 1.22.6 • channel stable • https://github.com/flutter/flutter.git
Framework • revision 9b2d22865 (6 days ago) • 2021-01-22 14:36:39 -0800
Engine • revision 2f0af37152
Tools • Dart 2.10.5

C:\src\flutter>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 1.22.6, on Microsoft Windows [Version 10.0.18363.1316], locale en-US)
[✓] Android toolchain - developing for Android devices (Android SDK version 30.0.2)
[✓] Android Studio (version 3.4)
[✓] VS Code, 64-bit edition (version 1.49.3)
[✓] Connected device
    ! No devices available

! Doctor found issues in 1 category.

C:\src\flutter>flutter doctor
```

4. New Project Menggunakan MS.VisualStudio Code



5. Debug Project App Ke Real Device Android Atau Emulator Android

