

**PRAKTIKUM MODUL 02 PEMROGRAMAN FRAMEWORK  
PENGENALAN LARAVEL DAN KONFIGURASI AWAL**



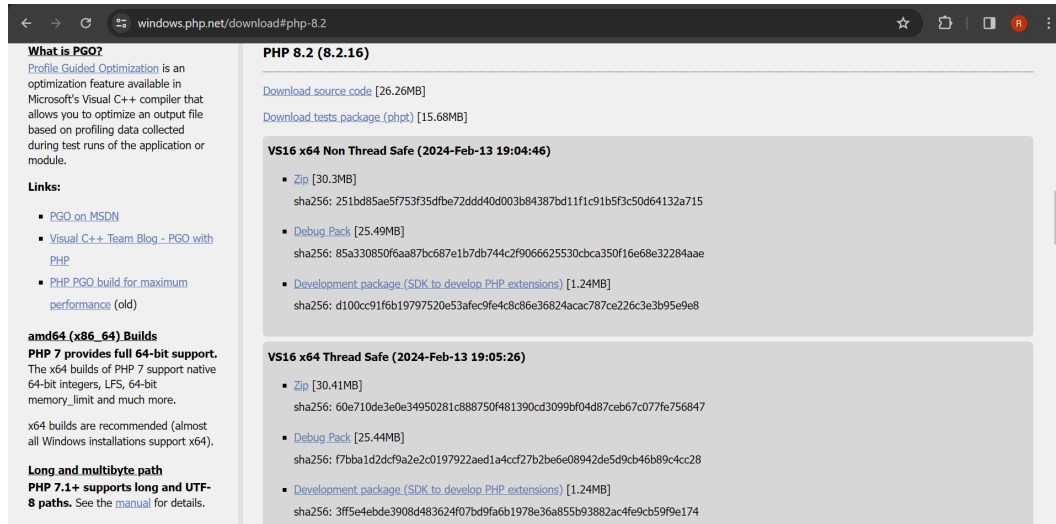
**DISUSUN OLEH:**

**1204200081   RAFAEL FILLAH FIRMANSYAH**

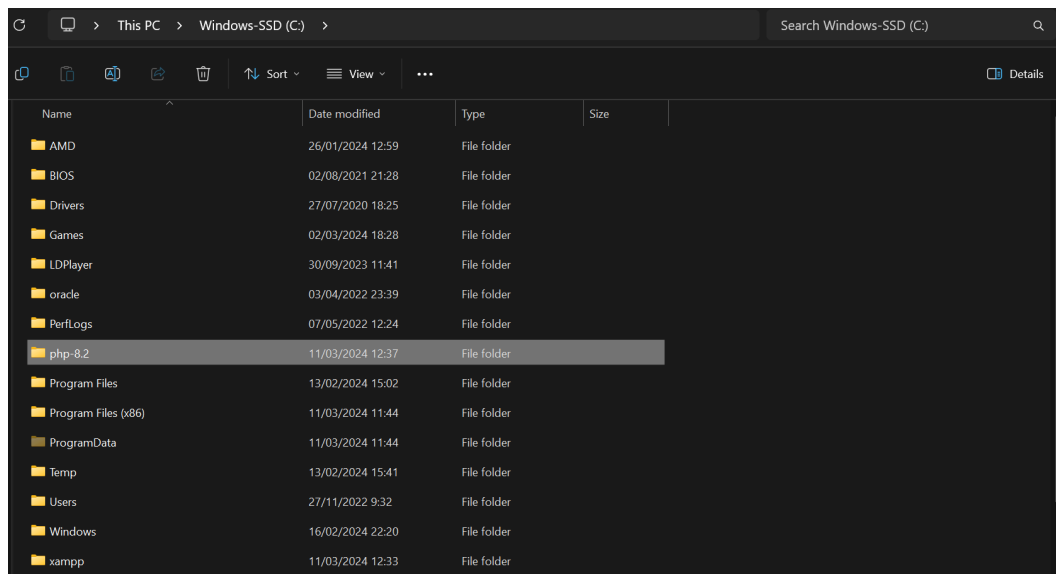
**PROGRAM STUDI SISTEM INFORMASI  
FAKULTAS REKAYASA INDUSTRI  
TELKOM UNIVERSITY SURABAYA  
2024**

# Instalasi PHP

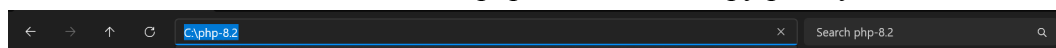
1. Pertama download php versi 8.1 ke atas untuk meminimalisir terjadinya error ketika instalasi laravel nanti. Disini saya memilih untuk menggunakan php 8.2 yang paling terbaru. Download pada bagian zip di VS16 x64 Thread Safe (2024-Feb-13 19:05:26)



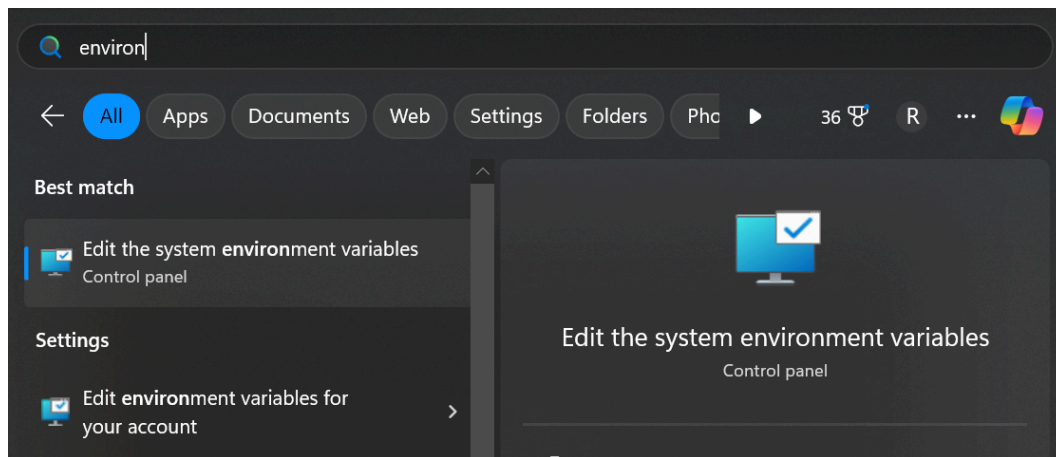
2. Setelah di download ekstrak file zip kemudian pindahkan ke disk C dan ubah nama lebih simple menjadi php-8.2.



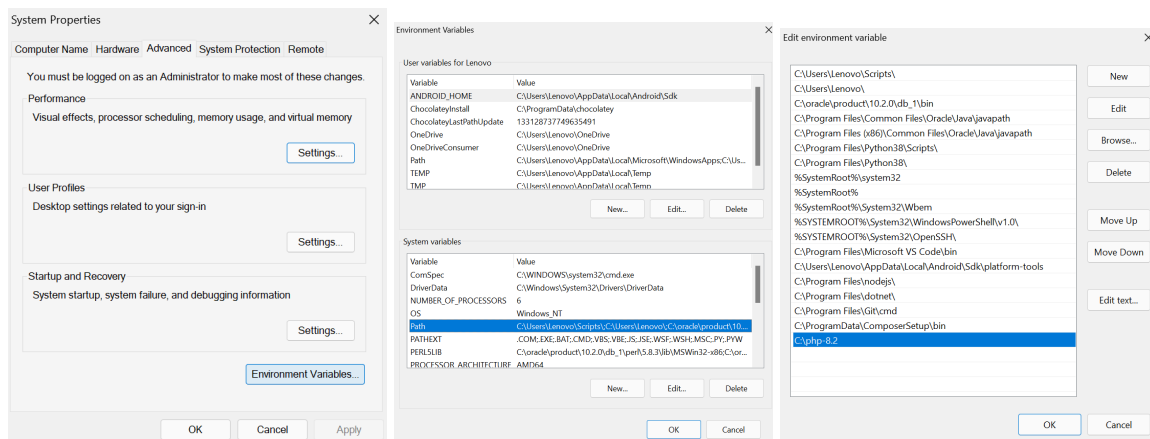
3. Kemudian masuk ke dalam folder php tersebut dan copy pathnya.



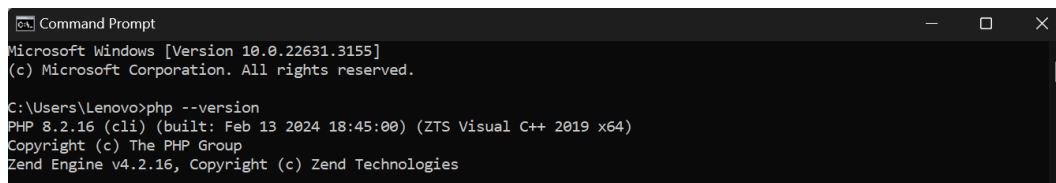
#### 4. Kemudian buka edit environment systems



#### 5. Kemudian tekan environment variables, tekan bagian path lalu edit, lalu tekan new dan paste path dari yang di copy tadi, kemudian tekan ok saja semuanya

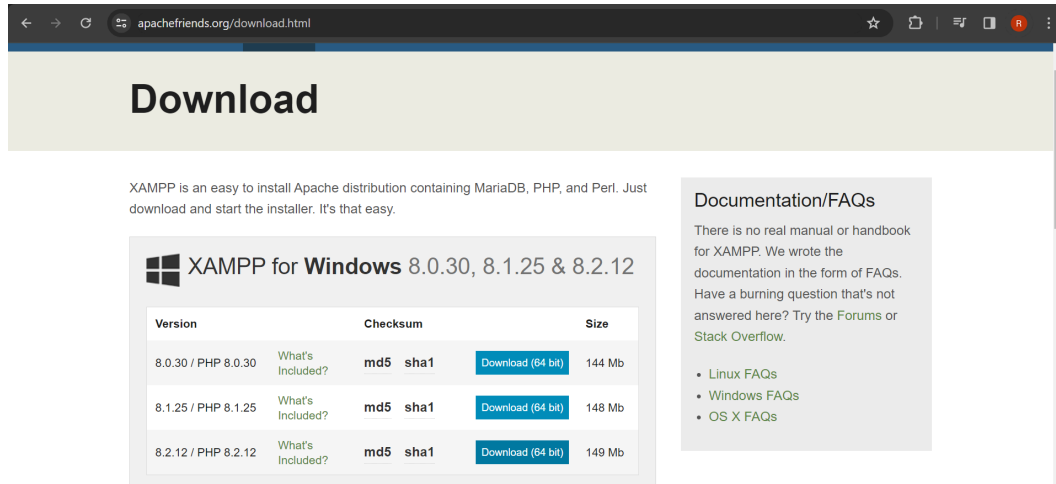


#### 6. Terakhir check apakah php sudah terinstall dengan benar dengan membuka cmd lalu menginputkan “php –version”.

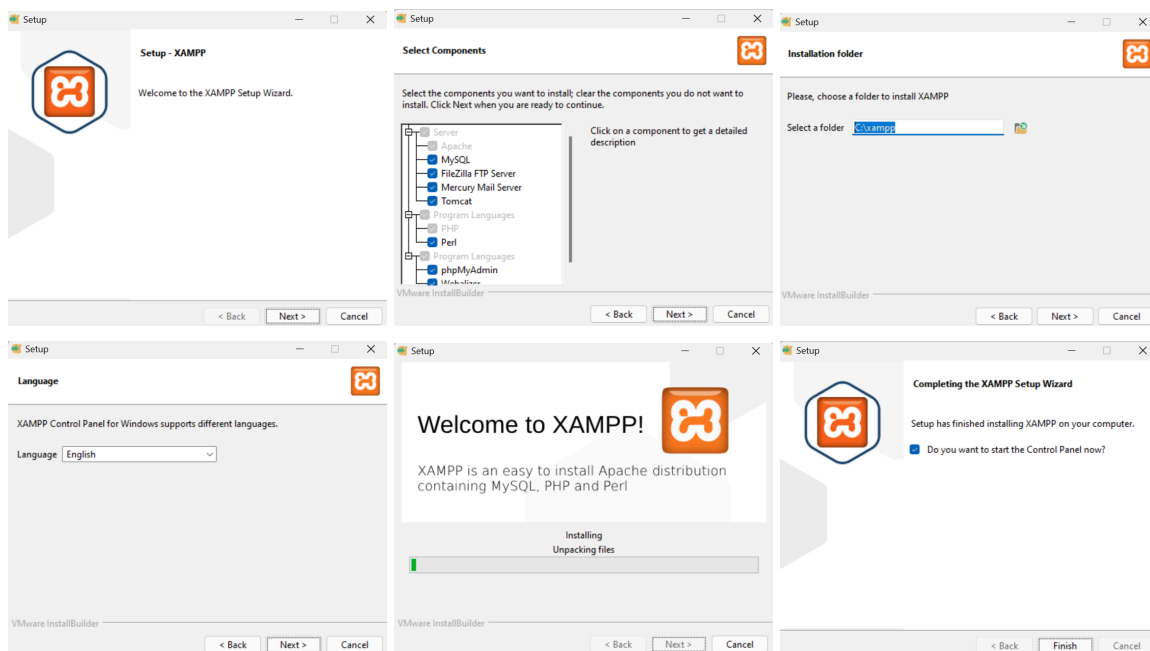


# Instalasi XAMPP

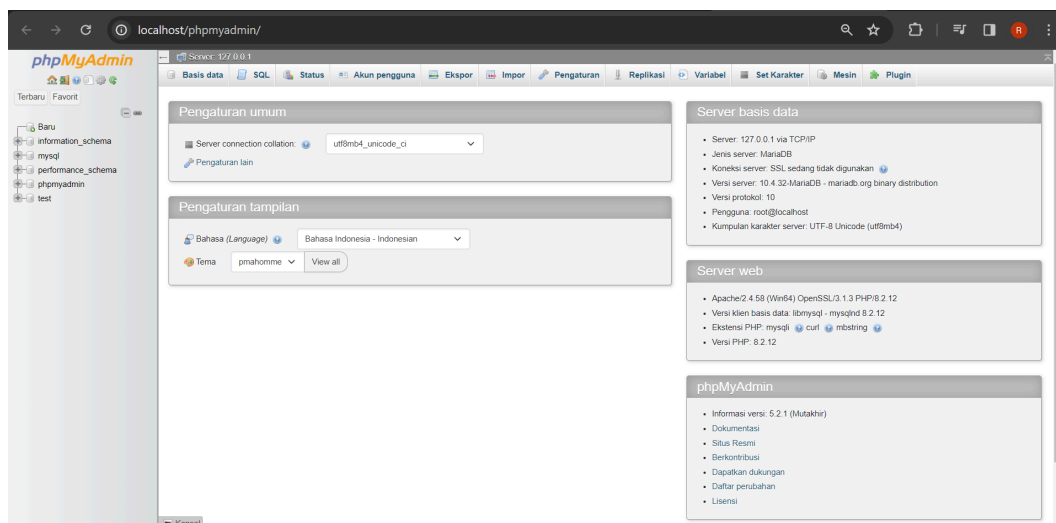
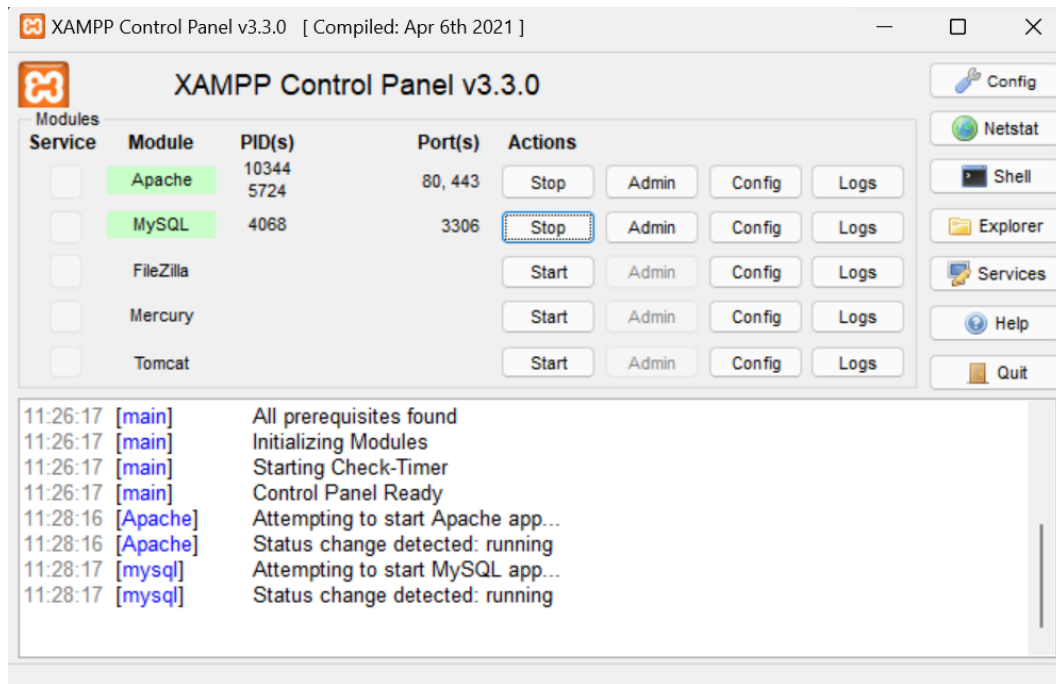
1. Buka website xampp lalu pilih versi yang diinginkan, akan tetapi disarankan untuk menggunakan versi 8.1 ke atas karena pada saat menjalankan Apache & MySQL terkadang terjadinya error. Disini saya menggunakan xampp versi 8.2.



2. Setelah didownload jalankan installer packagenya. Tekan next saja terus dan tunggu sampai terinstall.

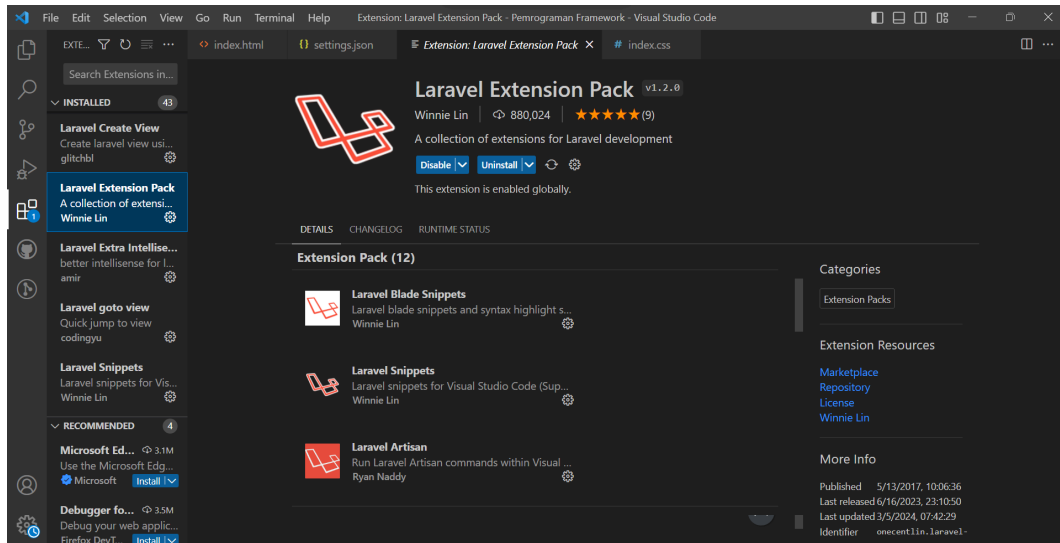


3. Ketika telah terinstall saatnya mencoba apakah xampp telah berjalan dengan semestinya atau belum dengan cara membuka PHPMyAdmin <http://localhost/phpmyadmin>. Pertama aktifkan apache dengan MySQL pada XAMPP Control Panel lalu buka url localhost diatas. Apabila PHPMyAdmin bisa dibuka tanpa adanya error maka instalasi berhasil.



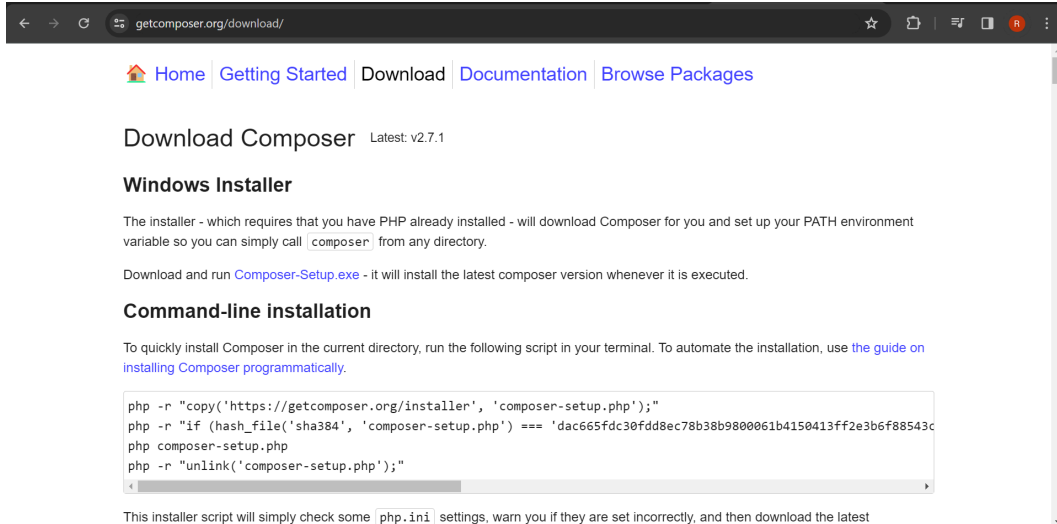
## Install Extension VSCode Laravel Extension Pack

Install Laravel Extension Pack pada VSCode agar nantinya mempermudah saat menggunakan laravel (berisi shortcut dan sejenisnya).



# Instalasi Composer

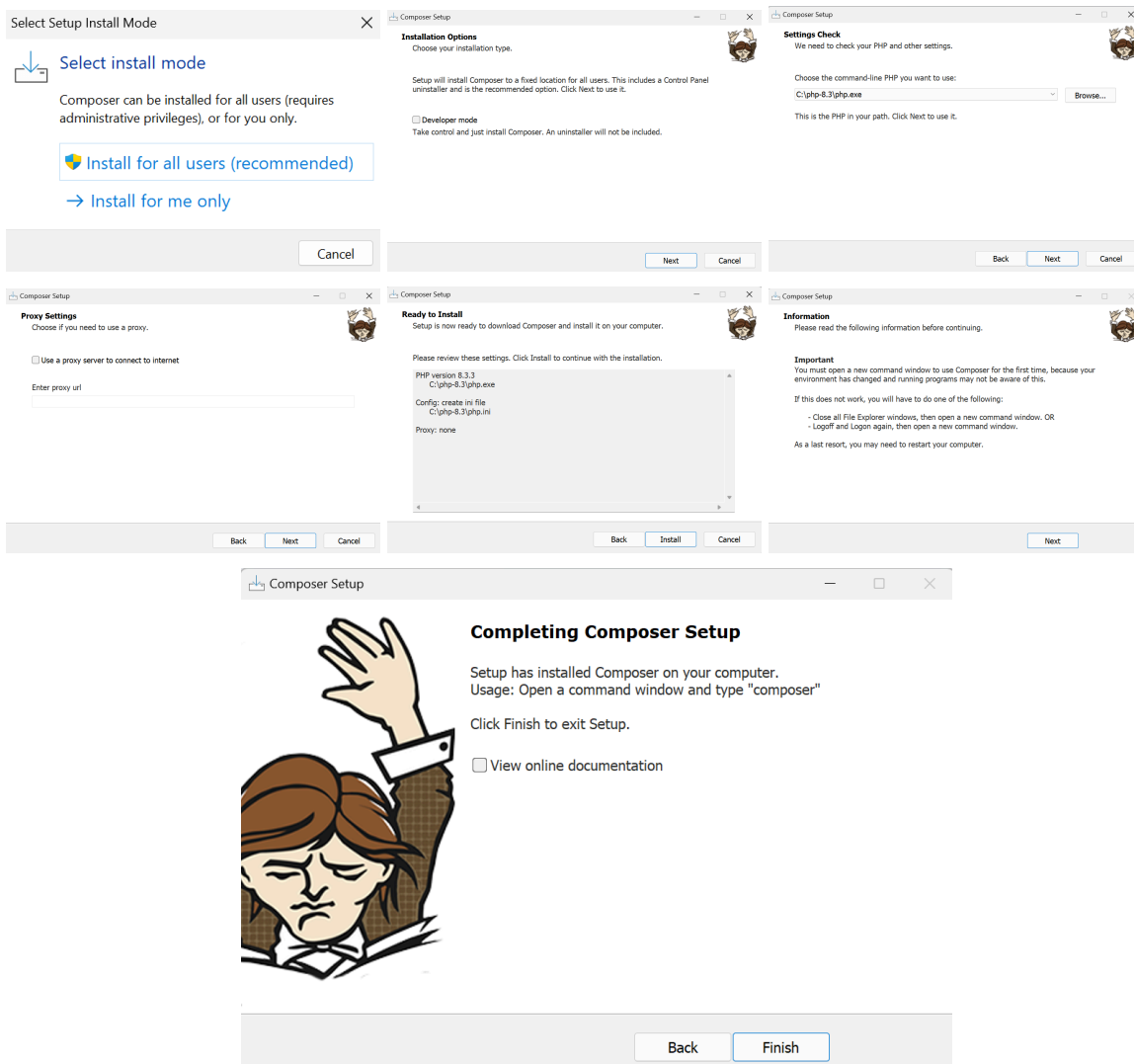
1. Buka url <https://getcomposer.org/download/> lalu download composer yang sesuai dengan device masing masing.



The screenshot shows the 'Download Composer' page on the getcomposer.org website. It includes navigation links (Home, Getting Started, Download, Documentation, Browse Packages) and a 'Download Composer' section with the latest version v2.7.1. Under 'Windows Installer', it explains that the installer sets up the PATH environment. Under 'Command-line installation', it provides a terminal script to download and install Composer. The script is: 

```
php -r "copy('https://getcomposer.org/installer', 'composer-setup.php');"
php -r "if (hash_file('sha384', 'composer-setup.php') === 'dac665fdc30fdd8ec78b38b980061b4150413ff2e3b6f88543c
php composer-setup.php
php -r "unlink('composer-setup.php');"
```

2. Jalankan installer dan pilih install for all users lalu tekan next saja hingga terinstall.



The image shows a sequence of screenshots from the Composer Setup installer. The first window is 'Select Setup Install Mode', where 'Install for all users (recommended)' is selected. The second window is 'Settings Check', where the command-line PHP path is set to 'C:\php-8.3\php.exe'. The third window is 'Ready to Install', showing the installation path and configuration. The fourth window is 'Information', providing important notes about the command window and environment. The final window is 'Completing Composer Setup', which shows the installation is complete and provides usage instructions. A cartoon illustration of a person with a distressed expression is overlaid on the bottom left of the final window.

**Completing Composer Setup**

Setup has installed Composer on your computer.  
Usage: Open a command window and type "composer"

Click Finish to exit Setup.

☐ View online documentation

3. Terakhir check dengan menggunakan cmd lalu ketik “composer” apabila terdapat output seperti berikut maka instalasi berhasil.

```
Command Prompt
Microsoft Windows [Version 10.0.22631.3155]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Lenovo>composer

Composer version 2.7.1 2024-02-09 15:26:28

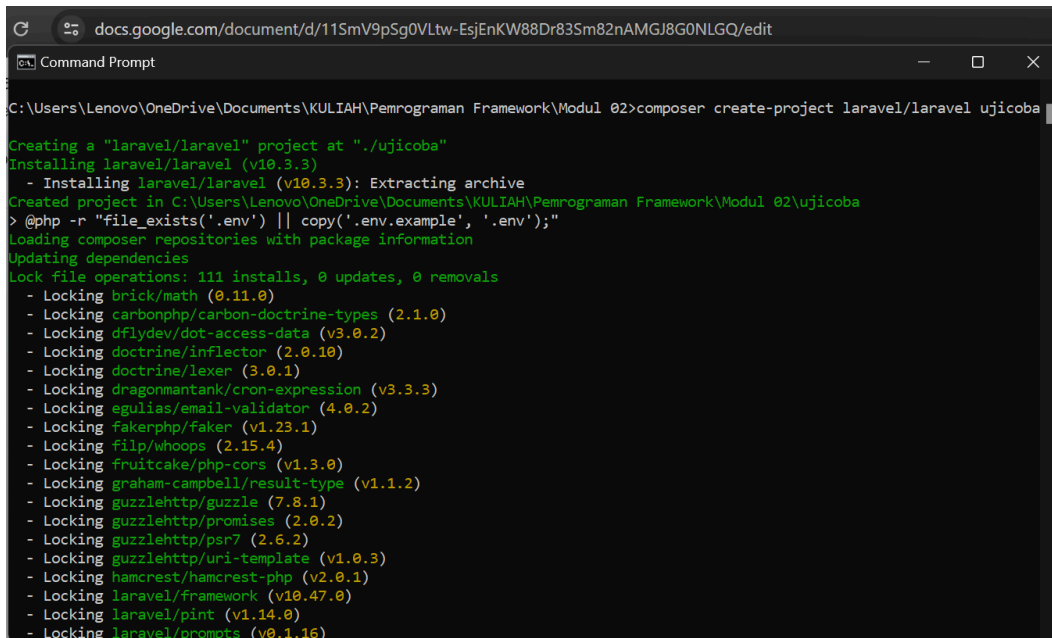
Usage:
  command [options] [arguments]

Options:
  -h, --help                Display help for the given command. When no command is given display help for the list
command
  -q, --quiet               Do not output any message
  -V, --version              Display this application version
  --ansi|--no-ansi          Force (or disable --no-ansi) ANSI output
  -n, --no-interaction       Do not ask any interactive question
  --profile                 Display timing and memory usage information
  --no-plugins              Whether to disable plugins.
  --no-scripts              Skips the execution of all scripts defined in composer.json file.
  -d, --working-dir=WORKING-DIR If specified, use the given directory as working directory.
  --no-cache                Prevent use of the cache
  -v|vv|vvv, --verbose      Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and
3 for debug
```



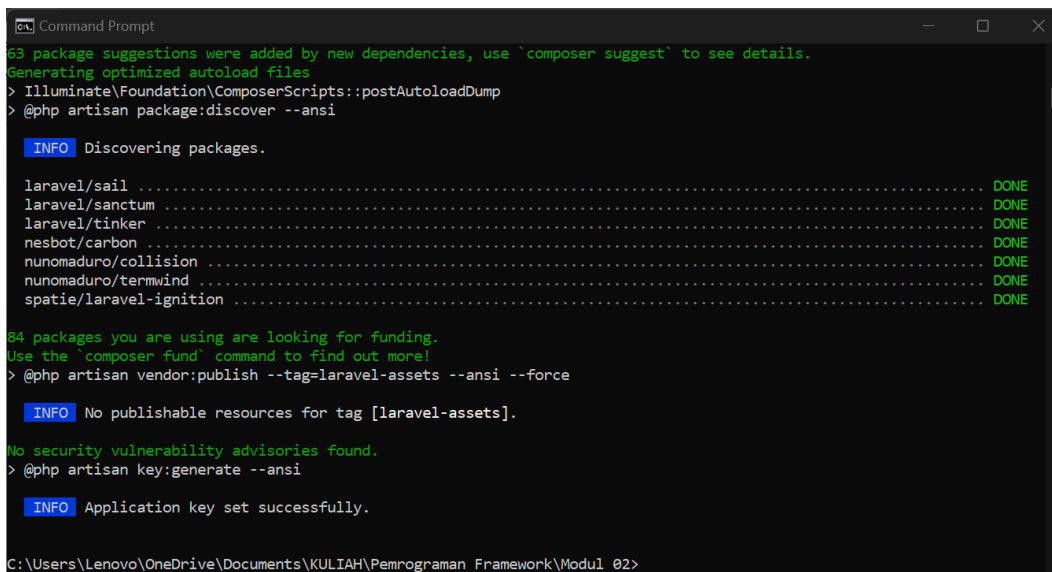
## Instalasi & Create Project Laravel

1. Setelah PHP dan Composer terinstall maka selanjutnya membuat project laravel dengan menggunakan composer dengan membuka cmd lalu ketikkan “composer create-project laravel/laravel (nama folder)” lalu tunggu sampai project berhasil dibuat.



```
C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 02>composer create-project laravel/laravel ujicoba

Creating a "laravel/laravel" project at "./ujicoba"
Installing laravel/laravel (v10.3.3)
- Installing laravel/laravel (v10.3.3): Extracting archive
Created project in C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 02\ujicoba
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 111 installs, 0 updates, 0 removals
- Locking brick/math (0.11.0)
- Locking carbonphp/carbon-doctrine-types (2.1.0)
- Locking dflydev/dot-access-data (v3.0.2)
- Locking doctrine/inflector (2.0.10)
- Locking doctrine/lexer (3.0.1)
- Locking dragonmantank/cron-expression (v3.3.3)
- Locking egulias/email-validator (4.0.2)
- Locking fakerphp/faker (v1.23.1)
- Locking filp/whoops (2.15.4)
- Locking fruitcake/php-cors (v1.3.0)
- Locking graham-campbell/result-type (v1.1.2)
- Locking guzzlehttp/guzzle (7.8.1)
- Locking guzzlehttp/promises (2.0.2)
- Locking guzzlehttp/psr7 (2.6.2)
- Locking guzzlehttp/uri-template (v1.0.3)
- Locking hamcrest/hamcrest-php (v2.0.1)
- Locking laravel/framework (v10.47.0)
- Locking laravel/pint (v1.14.0)
- Locking laravel/prompts (v0.1.16)
```



```
C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 02\ujicoba>php artisan package:discover

63 package suggestions were added by new dependencies, use `composer suggest` to see details.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi

 INFO  Discovering packages.

laravel/sail ..... DONE
laravel/sanctum ..... DONE
laravel/tinker ..... DONE
nesbot/carbon ..... DONE
nunomaduro/collision ..... DONE
nunomaduro/termwind ..... DONE
spatie/laravel-ignition ..... DONE

84 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
> @php artisan vendor:publish --tag=laravel-assets --ansi --force

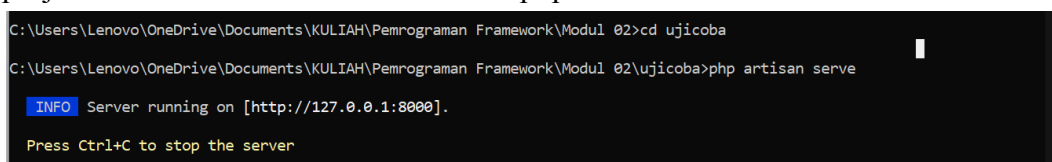
 INFO  No publishable resources for tag [laravel-assets].

No security vulnerability advisories found.
> @php artisan key:generate --ansi

 INFO  Application key set successfully.

C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 02>
```

2. Kemudian cek apakah laravel sudah berjalan dengan semestinya. Masuk ke direktori project terlebih dahulu kemudian ketik “php artisan serve”.

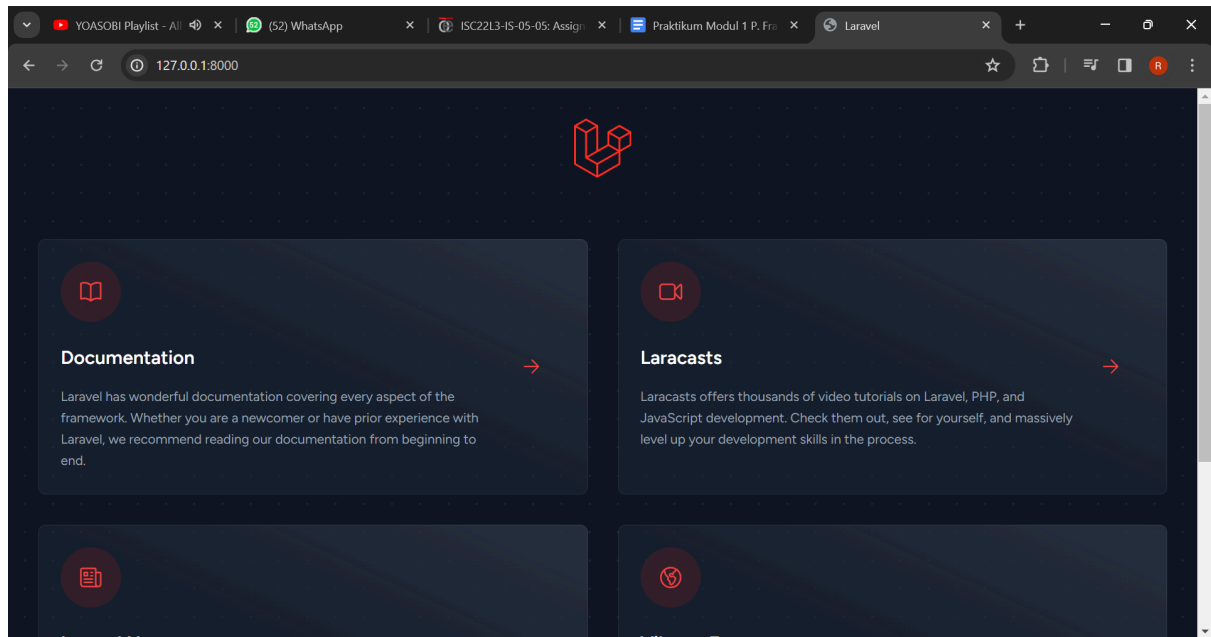


```
C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 02>cd ujicoba
C:\Users\Lenovo\OneDrive\Documents\KULIAH\Pemrograman Framework\Modul 02\ujicoba>php artisan serve

 INFO  Server running on [http://127.0.0.1:8000].

Press Ctrl+C to stop the server
```

3. Lalu cek pada url server (<http://127.0.0.1:8000/>) apakah laravel sudah berjalan atau tidak. Berikut hasil dari instalasi project laravel dan berhasil dijalankan.



NB: Ketika saya mencoba menggunakan PHP versi 8.3 dengan xampp versi 8.2 lalu membuat project laravel tidak mau berjalan/error sehingga saya ubah versi php menjadi 8.2 dan menginstall ulang composer.