

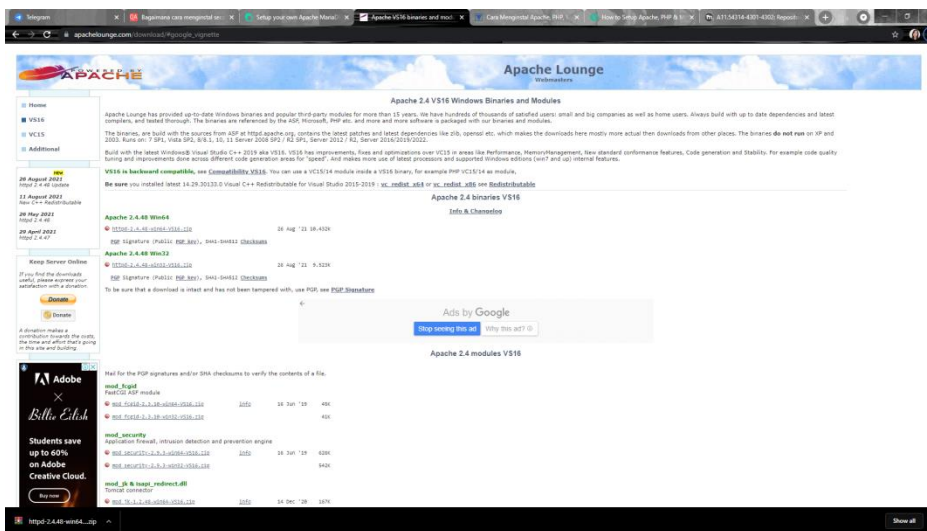
Nama : Ryan Ali Mas'ud

NIM : A11.2020.12531

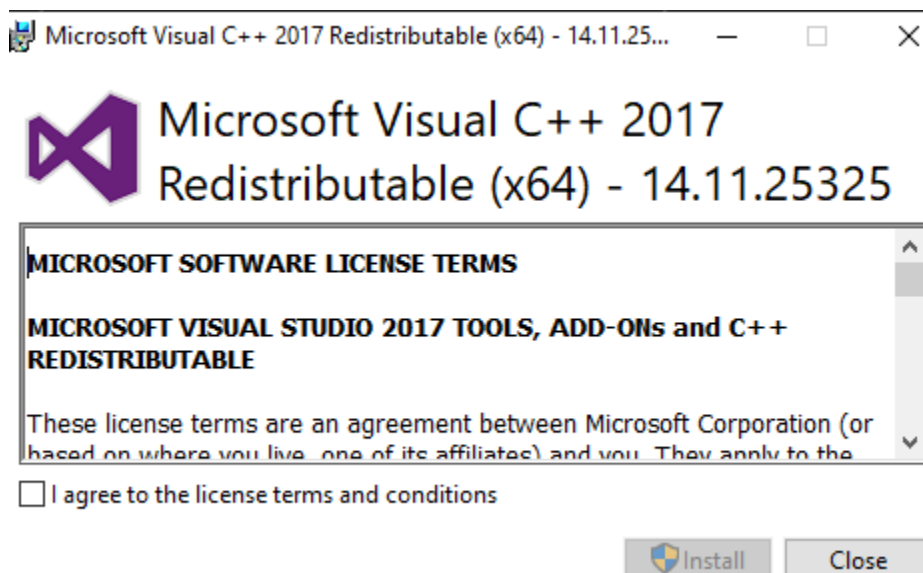
Kelas :Pemrograman Web 4302

Proses Penginstalan Web Server Dengan Apache24

1. Download Apache sesuai dengan versi windows kalian ,

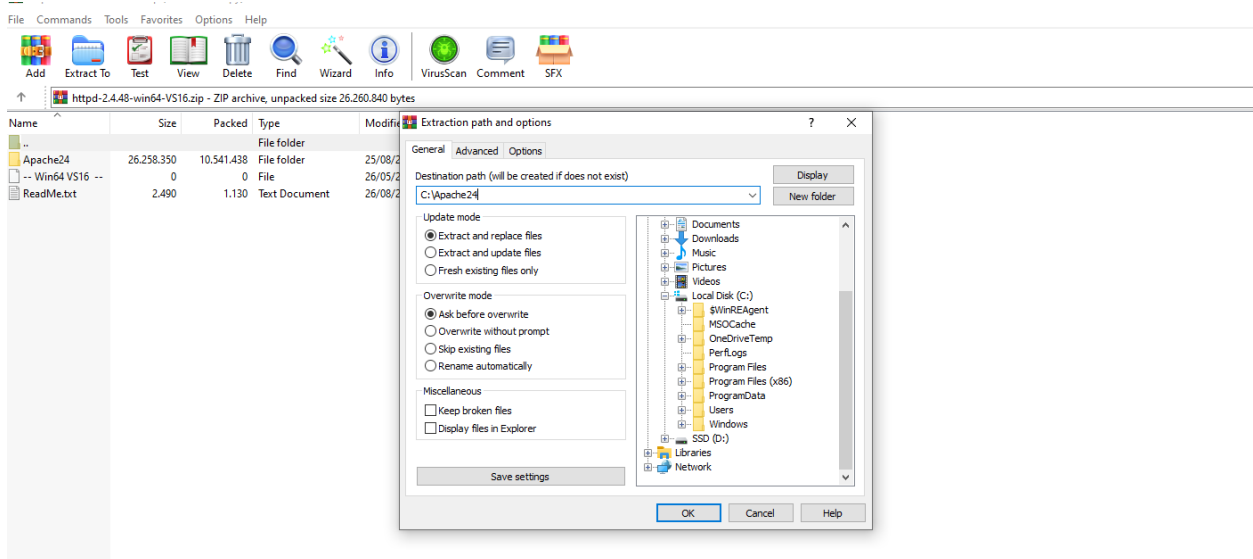


2. Kemudian setelah terdownload , install dulu Microsoft Restribute 2017 dan 2012 agar tidak terjadi error ketika program dijalankan

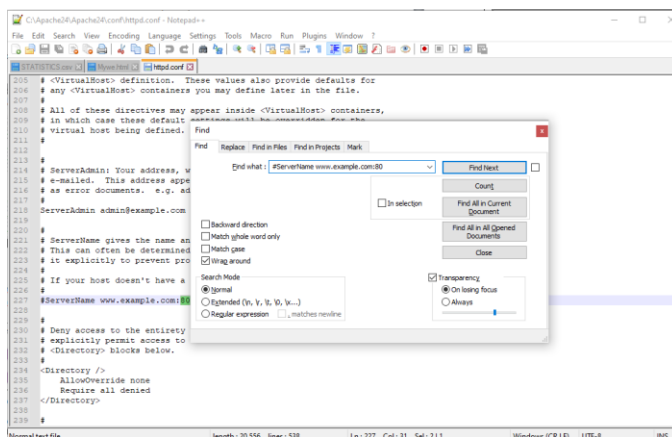




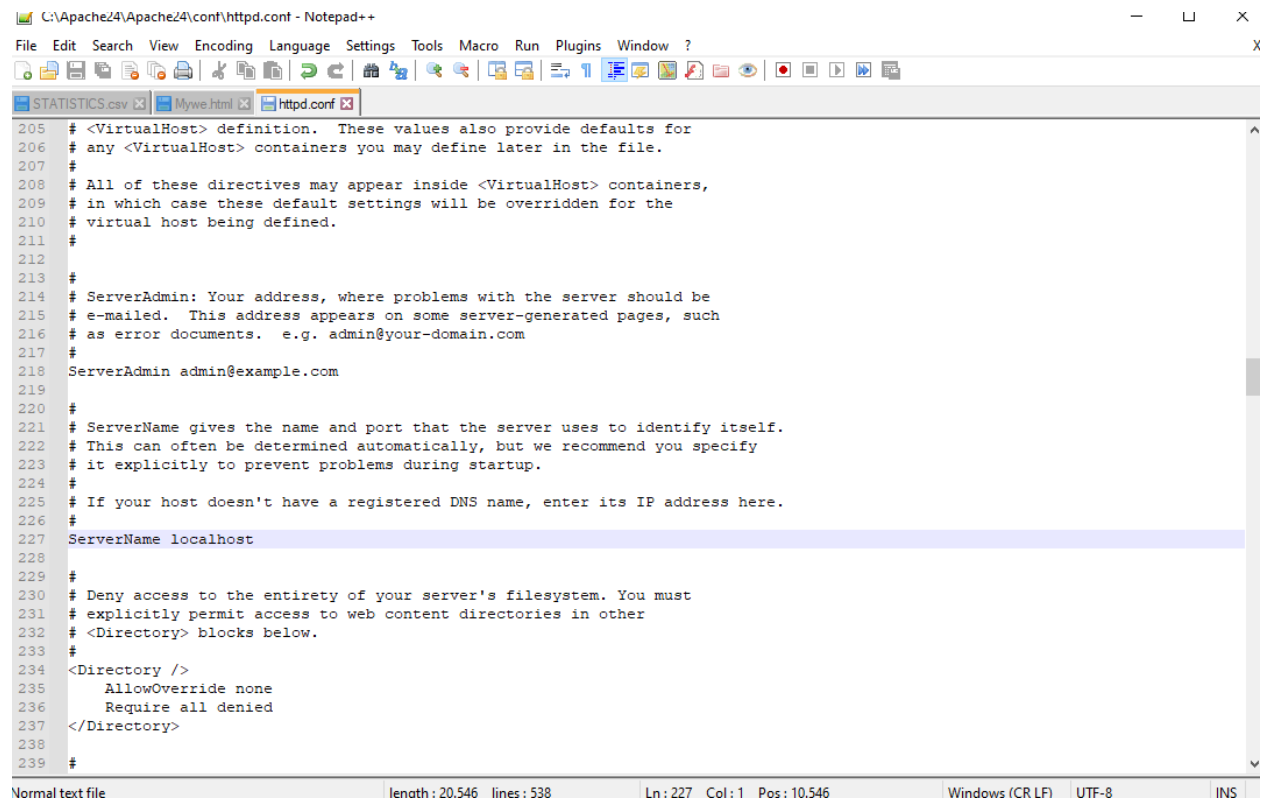
3 . Extract file Apache.rar di C:/Apache24



4 . Kemudian buka dan edit C:\Apache24\conf\httpd.conf , klik kanan untuk diedit dengan notepad lalu tekan ctrl + f untuk mencari #ServerName www.example.com:80



5. Hapus tanda # dan ubah namanya menjadi ServerName localhost , kemudian tekan ctrl + s untuk menyimpan



The screenshot shows a Notepad++ window titled "C:\Apache24\Apache24\conf\httpd.conf - Notepad++". The menu bar includes File, Edit, Search, View, Encoding, Language, Settings, Tools, Macro, Run, Plugins, Window, and ?. The toolbar contains various icons for file operations and editing. The active tab is "httpd.conf". The text content is as follows:

```
205 # <VirtualHost> definition. These values also provide defaults for
206 # any <VirtualHost> containers you may define later in the file.
207 #
208 # All of these directives may appear inside <VirtualHost> containers,
209 # in which case these default settings will be overridden for the
210 # virtual host being defined.
211 #
212 #
213 #
214 # ServerAdmin: Your address, where problems with the server should be
215 # e-mailed. This address appears on some server-generated pages, such
216 # as error documents. e.g. admin@your-domain.com
217 #
218 ServerAdmin admin@example.com
219 #
220 #
221 # ServerName gives the name and port that the server uses to identify itself.
222 # This can often be determined automatically, but we recommend you specify
223 # it explicitly to prevent problems during startup.
224 #
225 # If your host doesn't have a registered DNS name, enter its IP address here.
226 #
227 ServerName localhost
228 #
229 #
230 # Deny access to the entirety of your server's filesystem. You must
231 # explicitly permit access to web content directories in other
232 # <Directory> blocks below.
233 #
234 <Directory />
235     AllowOverride none
236     Require all denied
237 </Directory>
238 #
239 #
```

The status bar at the bottom shows: "Normal text file", "length: 20.546 lines: 538", "Ln: 227 Col: 1 Pos: 10.546", "Windows (CR LF)", "UTF-8", and "INS".

6. Kemudian kalau sudah , lanjut ke cmd (CommandPrompt as administrator)

, lalu change directory ke folder bin yang ada di Apache24 tadi:

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19043.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rayen>cd ..

C:\Users>cd ..

C:\>cd Apache24

C:\Apache24>cd bin
The system cannot find the path specified.

C:\Apache24>cd Apache24

C:\Apache24\Apache24>cd bin

C:\Apache24\Apache24\bin>
```

7. Setelah itu ketikkan perintah `httpd.exe -k install`

```
Select Administrator: Command Prompt
Microsoft Windows [Version 10.0.19043.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd ..

C:\Windows>cd ..

C:\>cd Apache24

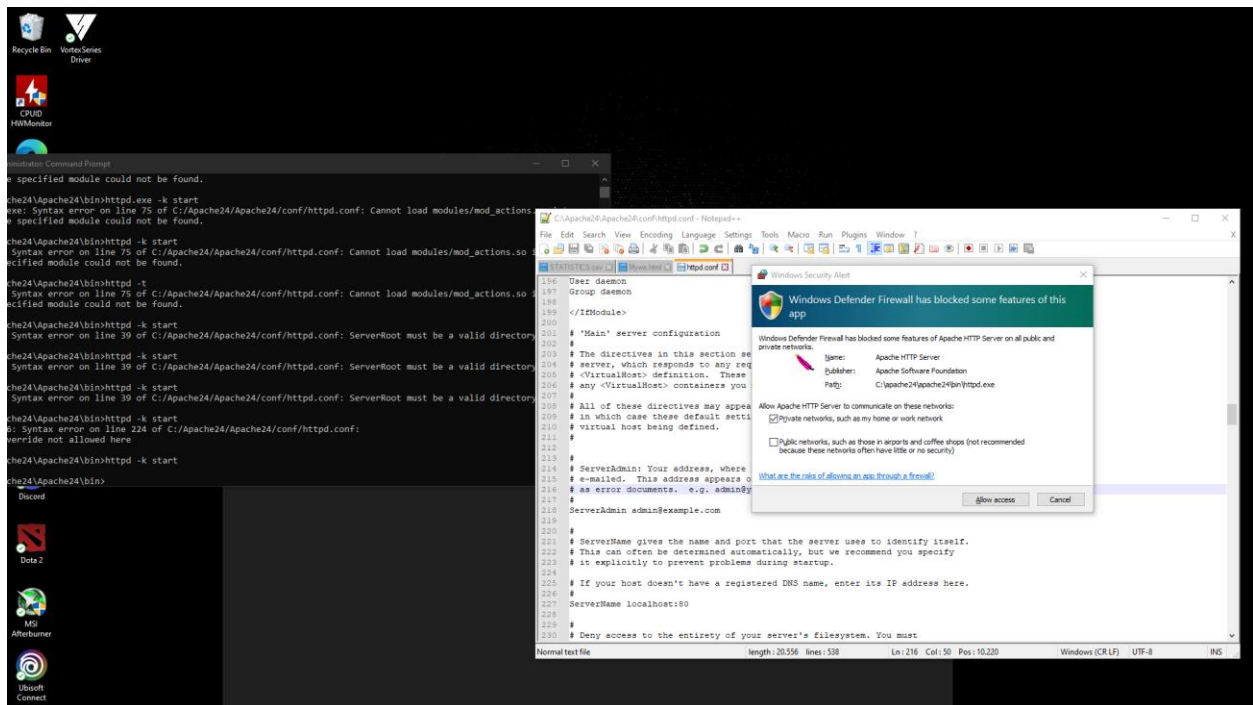
C:\Apache24>cd Apache24

C:\Apache24\Apache24>cd bin

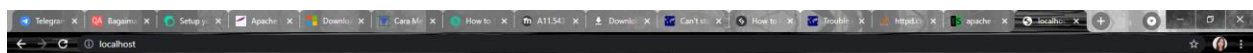
C:\Apache24\Apache24\bin>httpd.exe -k install
Installing the 'Apache2.4' service
The 'Apache2.4' service is successfully installed.
Testing httpd.conf....
Errors reported here must be corrected before the service can be started.
httpd.exe: Syntax error on line 75 of C:/Apache24/Apache24/conf/httpd.conf: Cannot load modules/mod_actions.so into serv
er: The specified module could not be found.

C:\Apache24\Apache24\bin>
```

8 . Kemudian mulai Apache service dengan mengetikkan perintah `httpd.exe -k start`



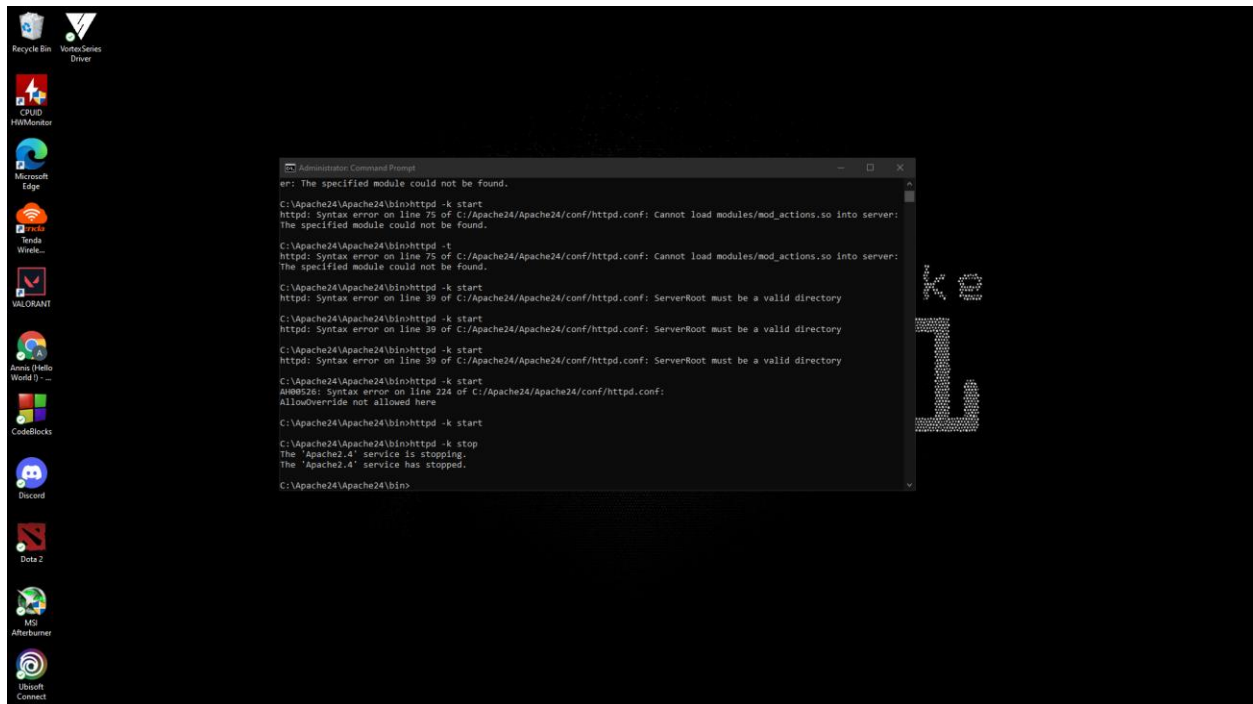
9. Allow acces pada tab yang muncul , kemudian buka browser anda dan ketikkan <http://localhost> , dan ketika akan muncul tulisan seperti dibawah ini :



It works!

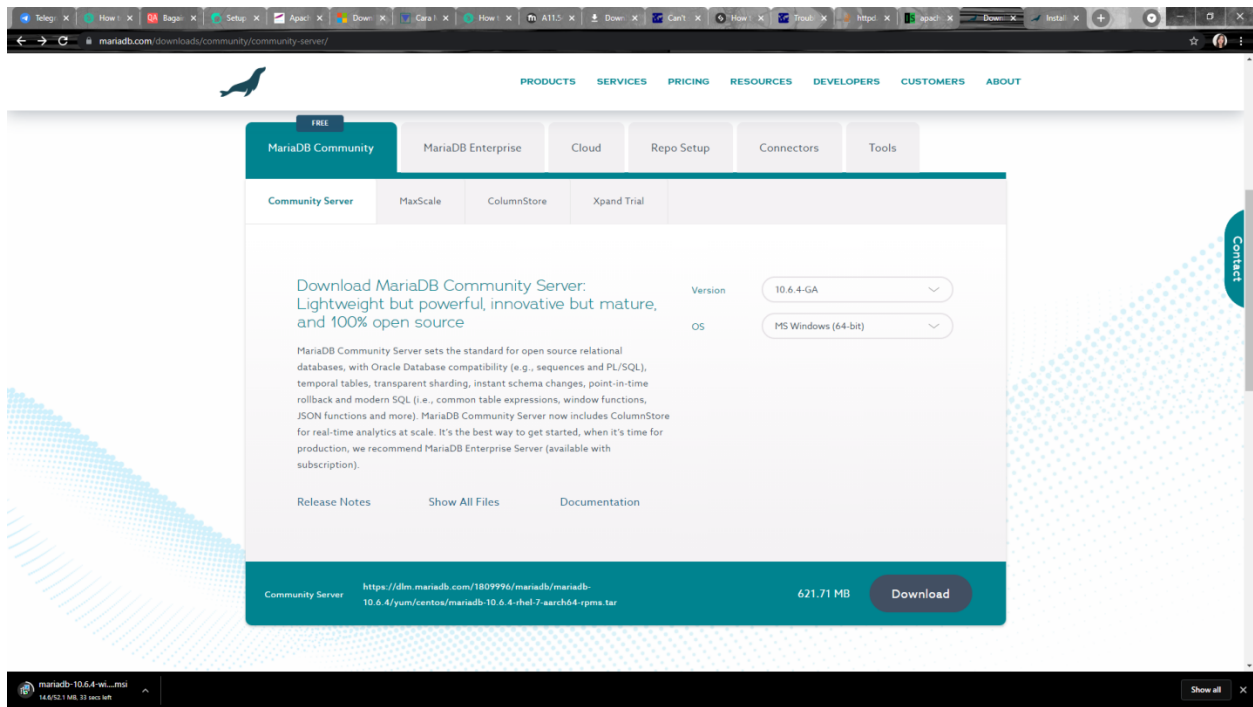
Selamat , apache24 anda telah selesai dibuat dan dijalankan !

Untuk mengentikan program maka ketikkan `httpd -k stop` pada cmd anda dan proses akan berhenti

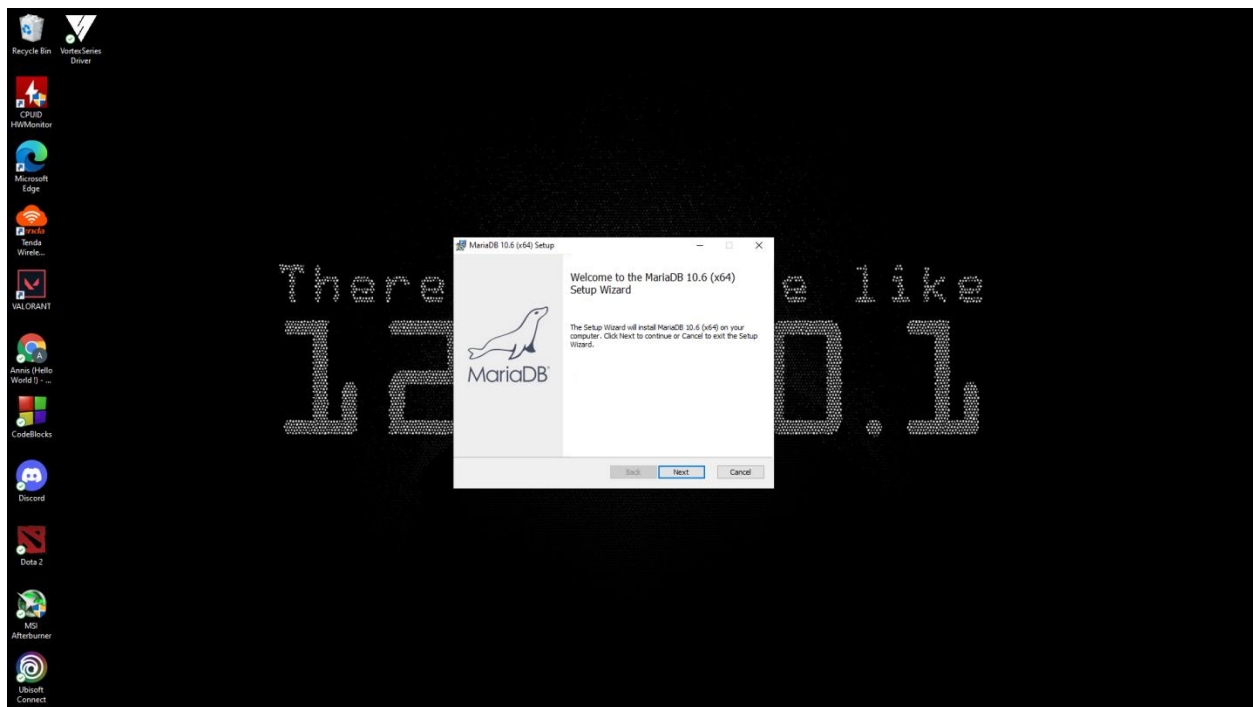


Proses Penginstalan MariaDB

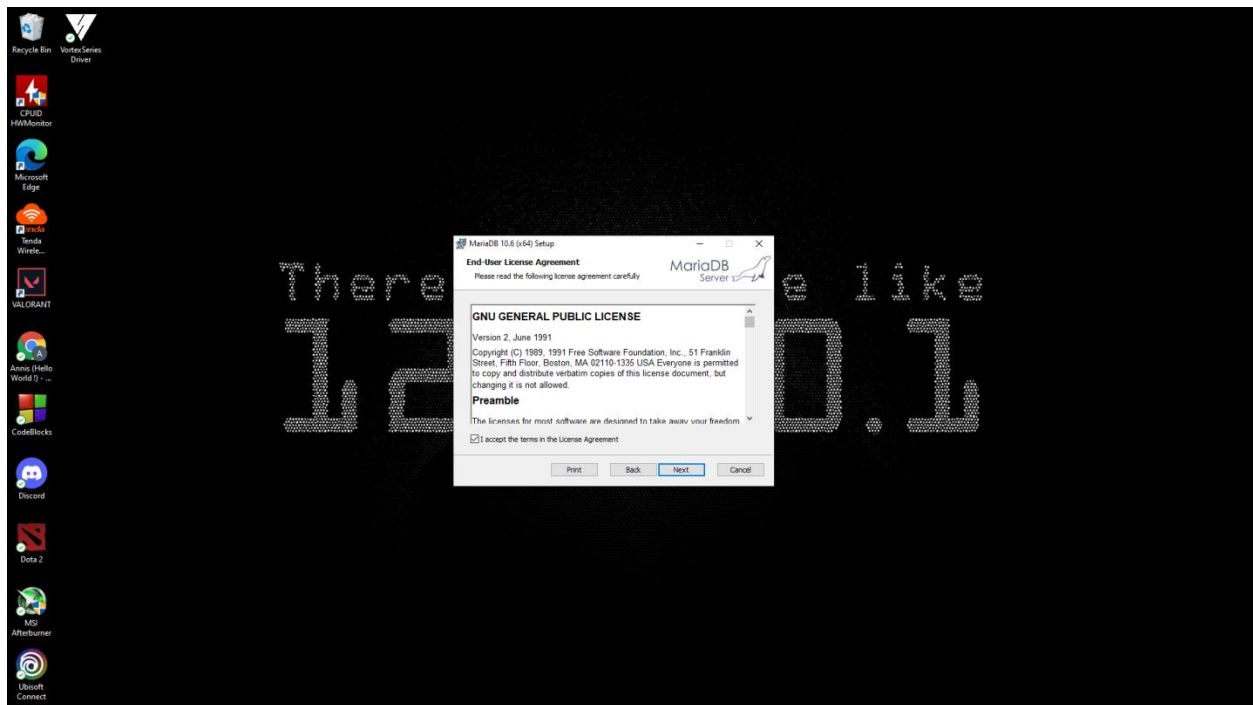
1. Download MariaDB server di komputer kalian , kali ini saya menggunakan arsitektur cpu 64 bit dan pilih OS sesuai dengan yang anda punya :



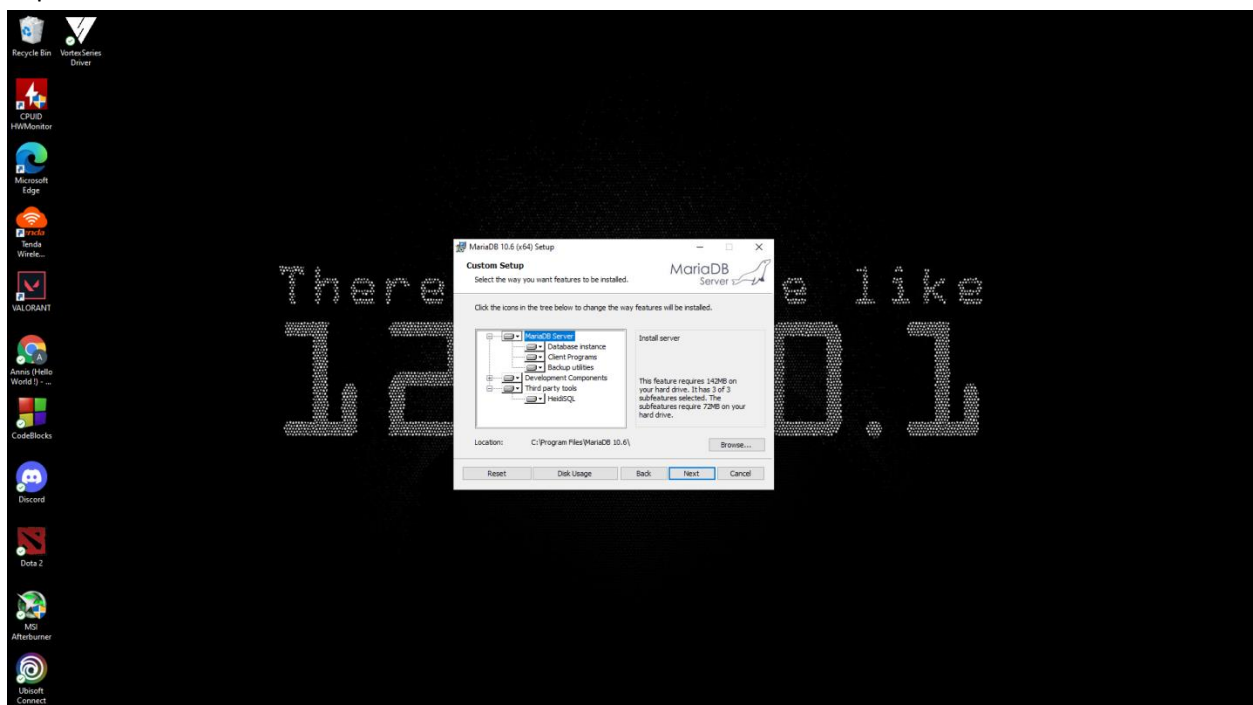
2. Install file MariaDB dan ikuti langkah langkah dibawah ini :



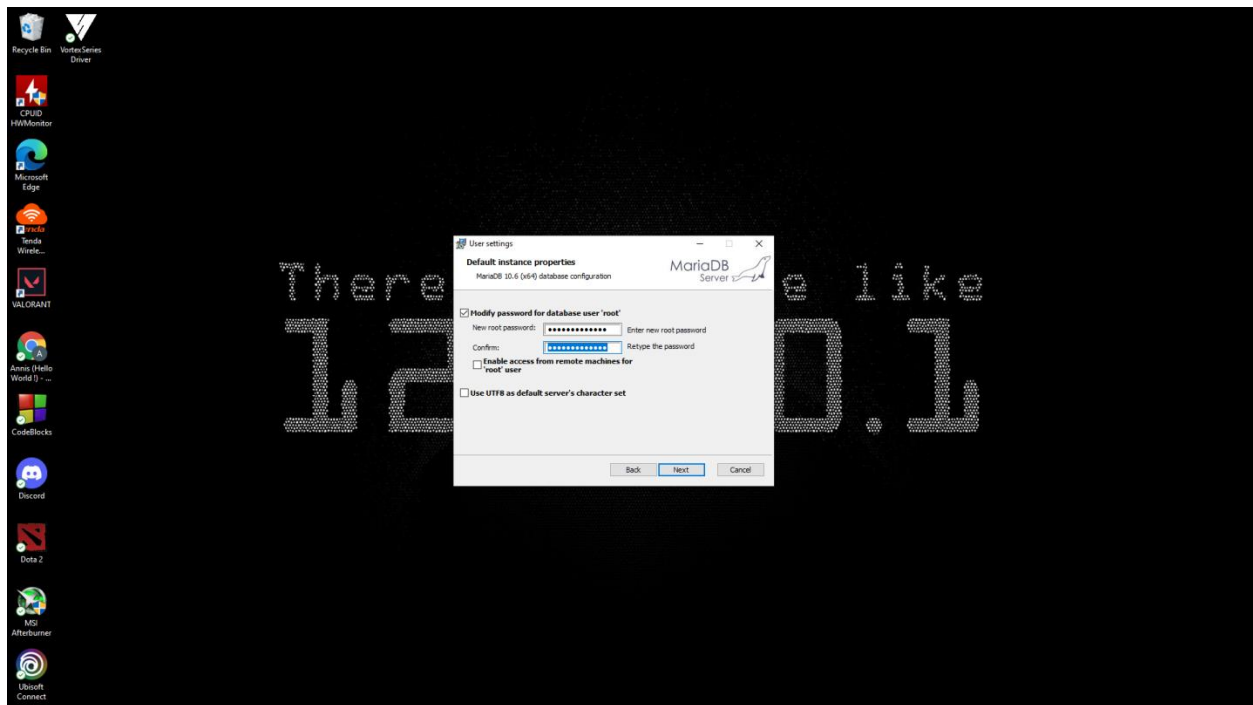
3. klik next



4. pilih mariadb server dan klik next



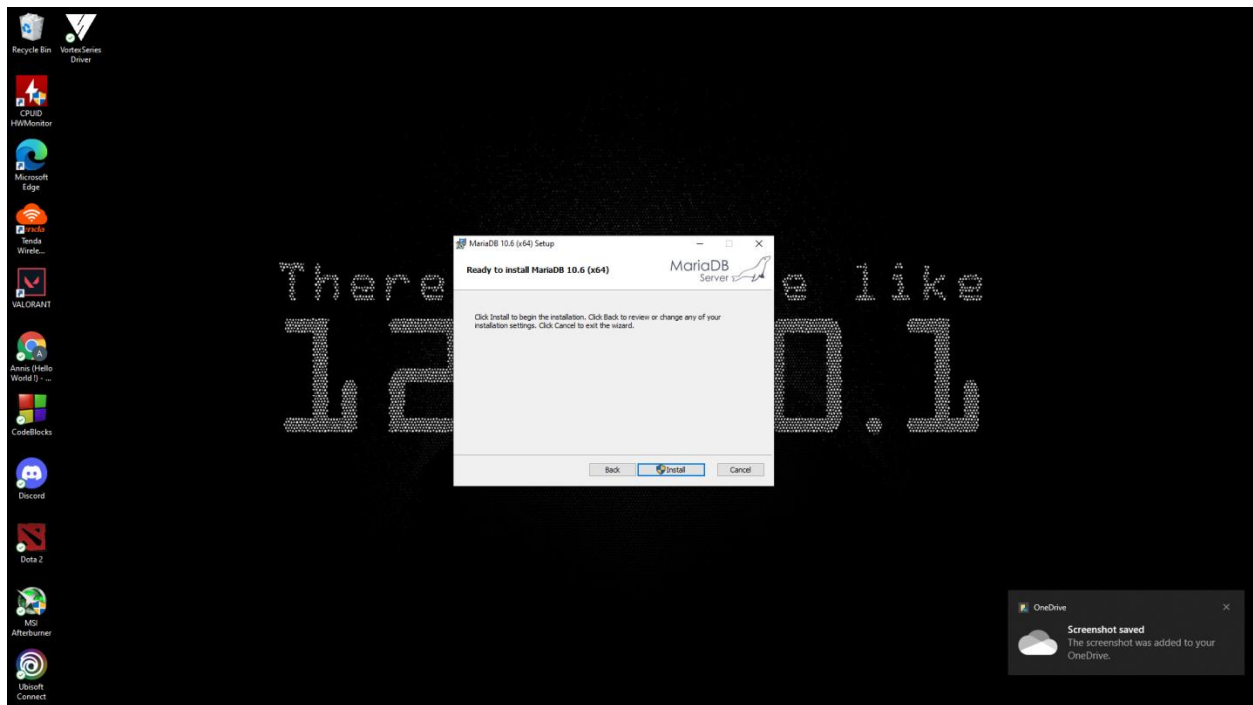
5. Atur password yang akan anda gunakan , setelah itu klik next ;



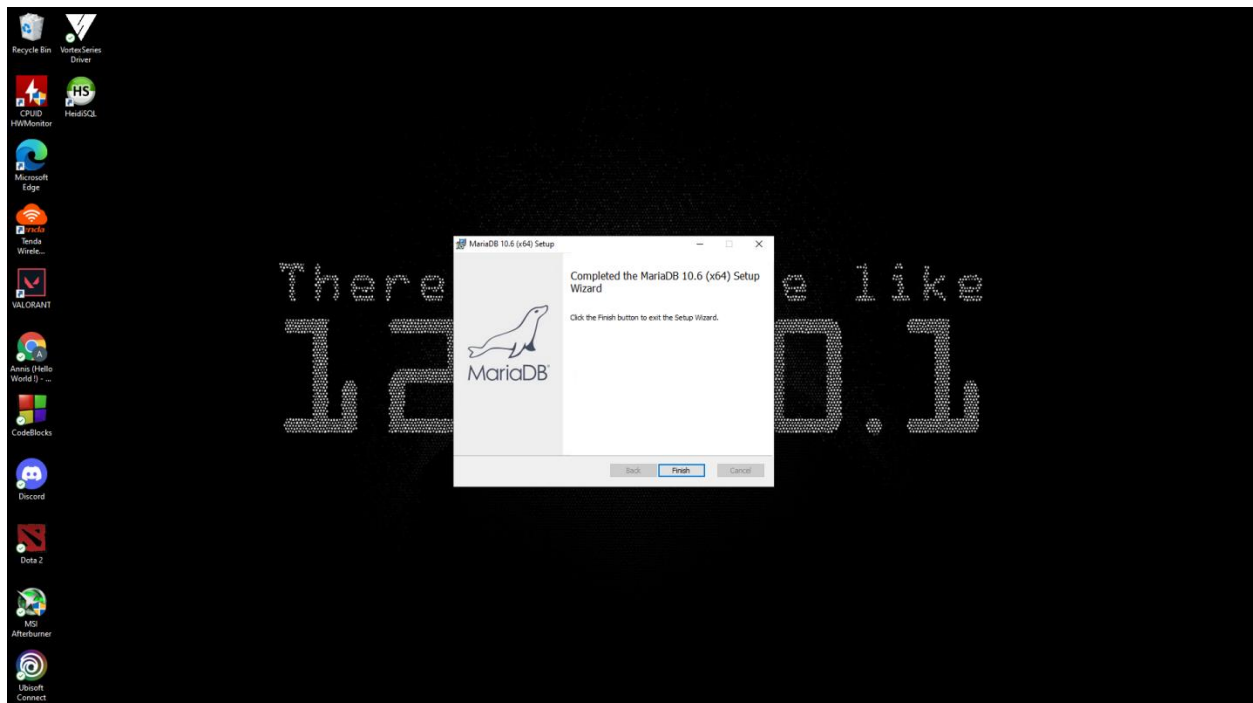
6. Atur banyaknya ruang yang anda akan gunakan deserver , kemudian klik next ;



7. klik install , dan tunggu prosesnya



8. klik finish dan server mariadb siap digunakan



Penginstalan PHP 8

1. Download PHP 7 terlebih dahulu , kemudian extract file nya di direktori C :

← → ↺ windows.php.net/download#php-8.0 ☆ ⋮

windows architectures.

If you like to build your own PHP binaries, instructions can be found on the [Wiki](#).

PECL For Windows
[PECL extensions](#) for Windows is being worked on. Windows DLL can be downloaded right from the [PECL website](#).

The PECL extension [release](#) and [snapshot](#) build directories are browsable directly.

Which version do I choose?

IIS
If you are using PHP as FastCGI with IIS you should use the Non-Thread Safe (NTS) versions of PHP.

Apache
Please use the Apache builds provided by [Apache Lounge](#). They provide VC15 and VS16 builds of Apache for x86 and x64. We use their binaries to build the Apache SAPIs.

With Apache, using the apache2handler SAPI, you have to use the Thread Safe (TS) versions of PHP.

VC15 & VS16
More recent versions of PHP are built with VC15 or VS16 (Visual Studio 2017 or 2019 compiler respectively) and

8.1 has no release.

PHP 8.0 (8.0.10)

[Download source code](#) [23.05MB]
[Download tests package \(.phpt\)](#) [13.39MB]

VS16 x64 Non Thread Safe (2021-Aug-25 09:19:26)

- [Zip](#) [25.4MB]
sha256: 30db504c9e1f3cc1fac8f9a4614cdee36ba356a24144c9cfc44c22bf4f30bebd
- [Debug Pack](#) [23.09MB]
sha256: 6f85b47ea1ceb60f62c55cb724673cccc10228db0648cb8ff6f194d123c0de08
- [Development package \(SDK to develop PHP extensions\)](#) [1.16MB]
sha256: ea599ec0c8ace7cb6edc6d30f04a2f9829533c8af9c3e36a300c7aef5ea89d99

VS16 x64 Thread Safe (2021-Aug-25 09:24:54)

- [Zip](#) [25.5MB]
sha256: d3a01951632555fa7290ac2846d38ce7d262c75c7e9e3405f75cc2972e321e9b
- [Debug Pack](#) [23.11MB]
sha256: 7f54ca51b9e2dbe96e62aa235ad27bf91877c4b5ac782918f65e7fd40cb632f0
- [Development package \(SDK to develop PHP extensions\)](#) [1.16MB]
sha256: 09cd306b90e145405cd095ec6ba319f636c4224500d58b313bf7b951dd7c0d41

VS16 x86 Non Thread Safe (2021-Aug-25 09:17:56)

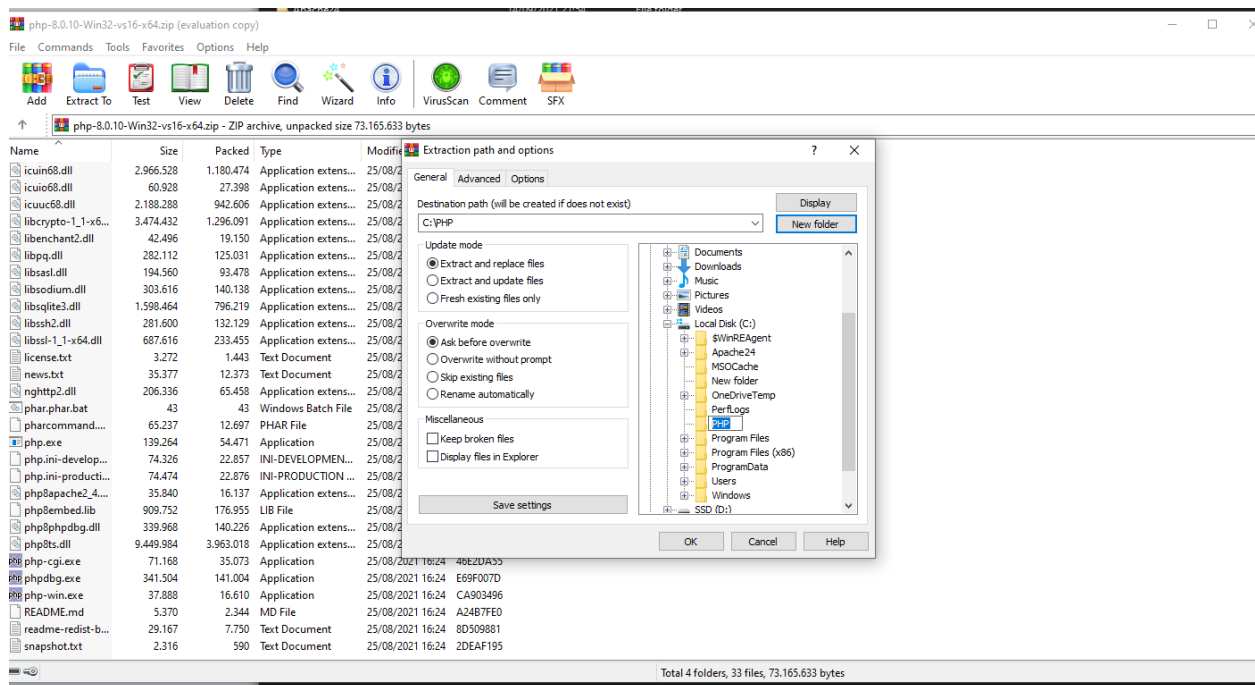
- [Zip](#) [23.55MB]
sha256: 4e2fa49fde484f8e659f21d45d635af189b8cf61cf80c21d821b4dbdc468052
- [Debug Pack](#) [23.76MB]
sha256: 4c9050108255ee02982485a7441393b26f41549097f3bb98ae24ec0fe9917462
- [Development package \(SDK to develop PHP extensions\)](#) [1.16MB]
sha256: 21c82d5c76b5cd4b82cb67aa8b725866fa932ce317dd18bb257a079a001b606d

windows.php.net/downloads/releases/php-8.0.10-src.zip

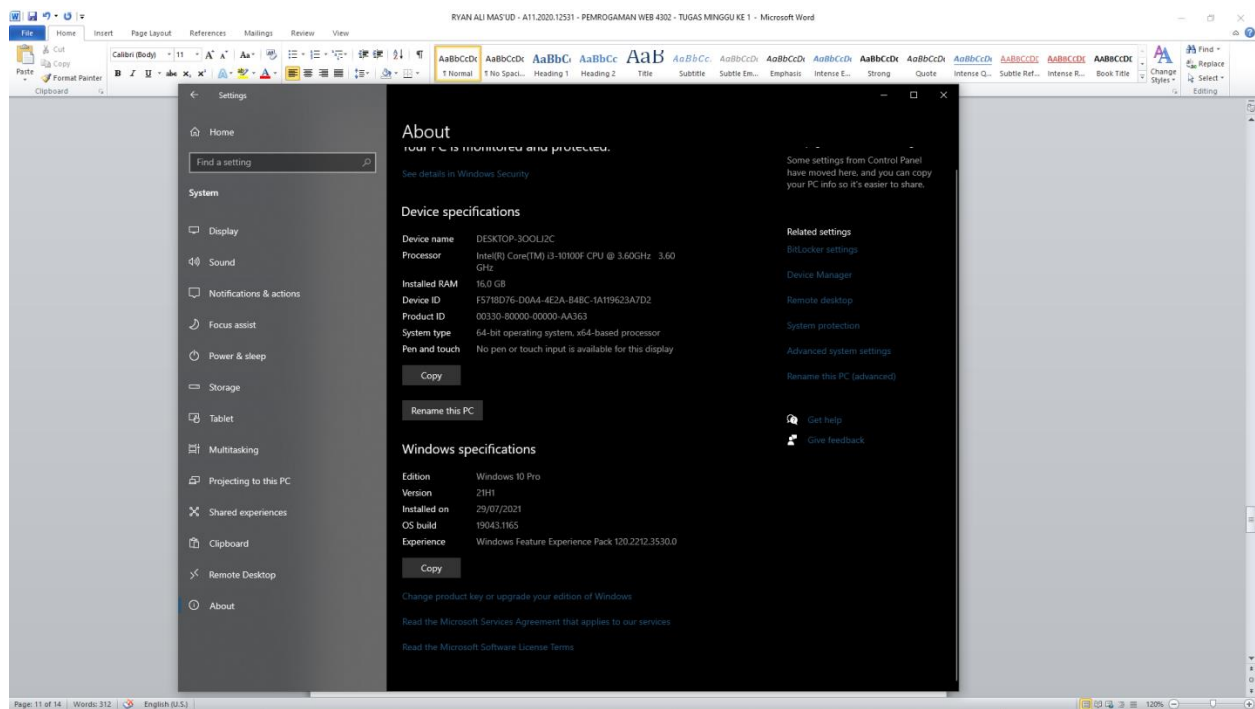
php-8.0.10-src.zip
7.1/23.0 MB, 15 secs left

Show all X

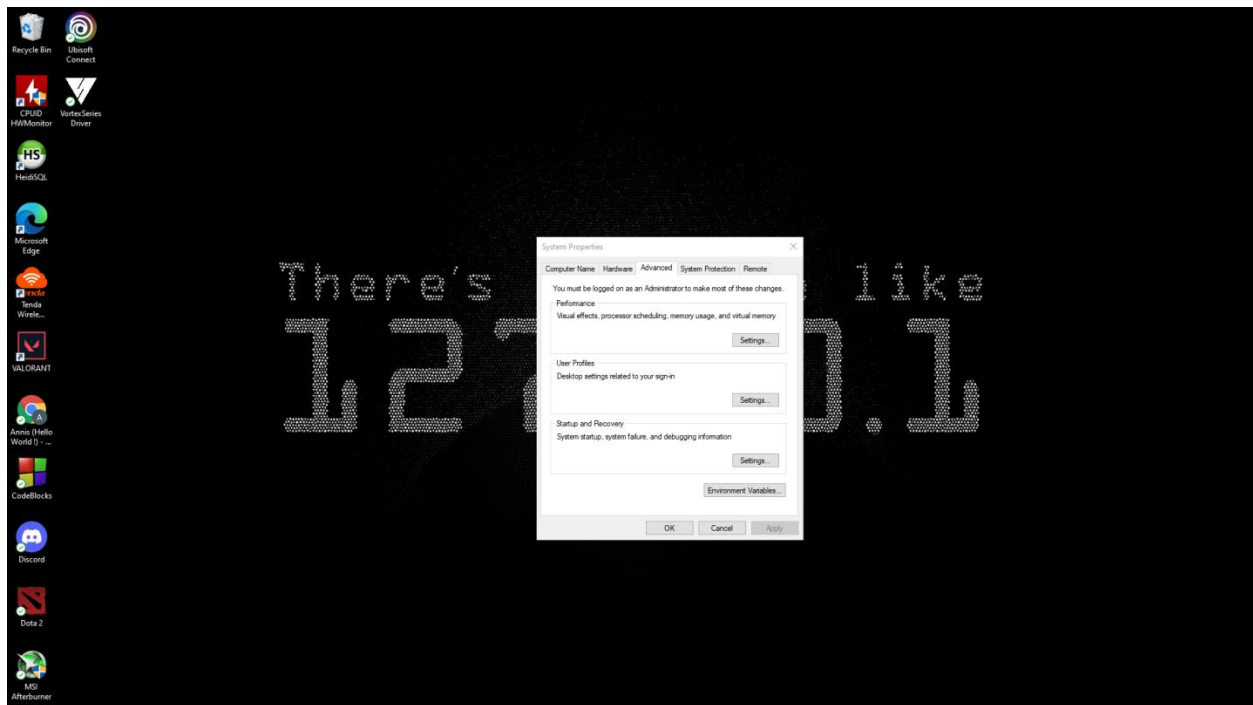
2. Setelah itu extract file



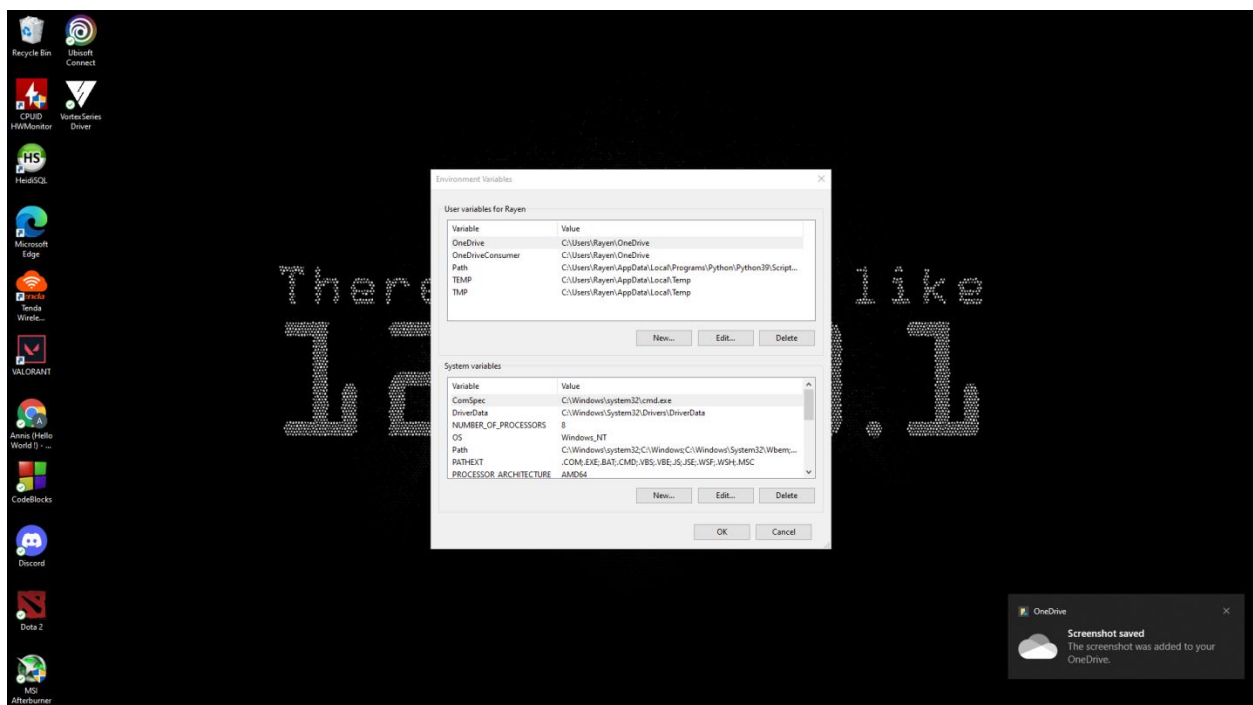
3. Kemudian masuk ke About , Advanced system setting ,



4. Masuk ke Environtmen Variables



5. Edit new path yang anda butuhkan php serta cantumkan file direktori sesuai yang anda letakkan tadi



6. Cek php version dengan mengetikkan perintah php --version pada cmd anda

```
Command Prompt
Microsoft Windows [Version 10.0.19042.804]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\bhagw>php --version
PHP 8.0.3 (cli) (built: Mar  2 2021 23:34:05) ( ZTS Visual C++ 2019 x64 )
Copyright (c) The PHP Group
Zend Engine v4.0.3, Copyright (c) Zend Technologies

C:\Users\bhagw>
```

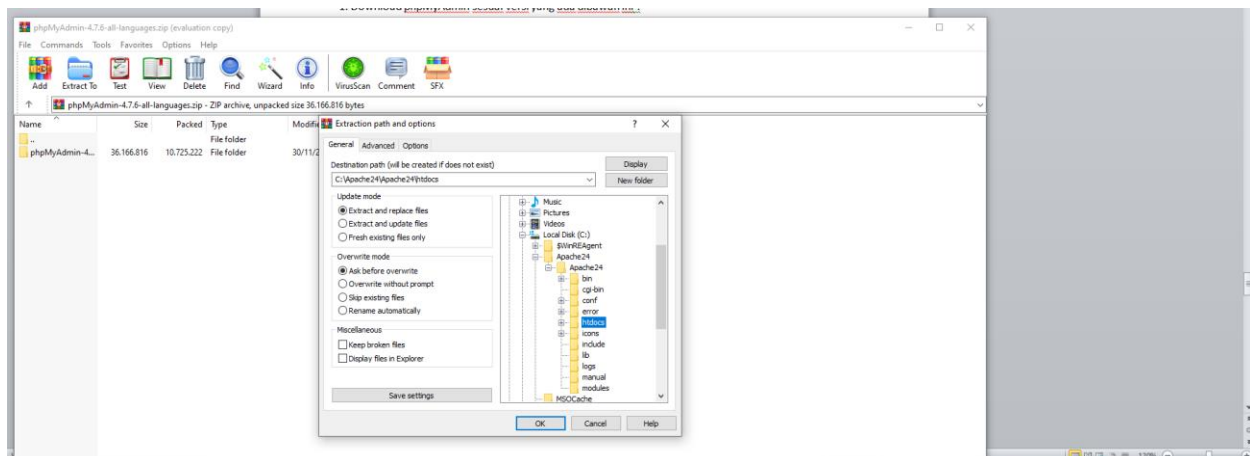
7. Selamat php anda sudah bias digunakan !

Penginstalan PHP MyAdmin

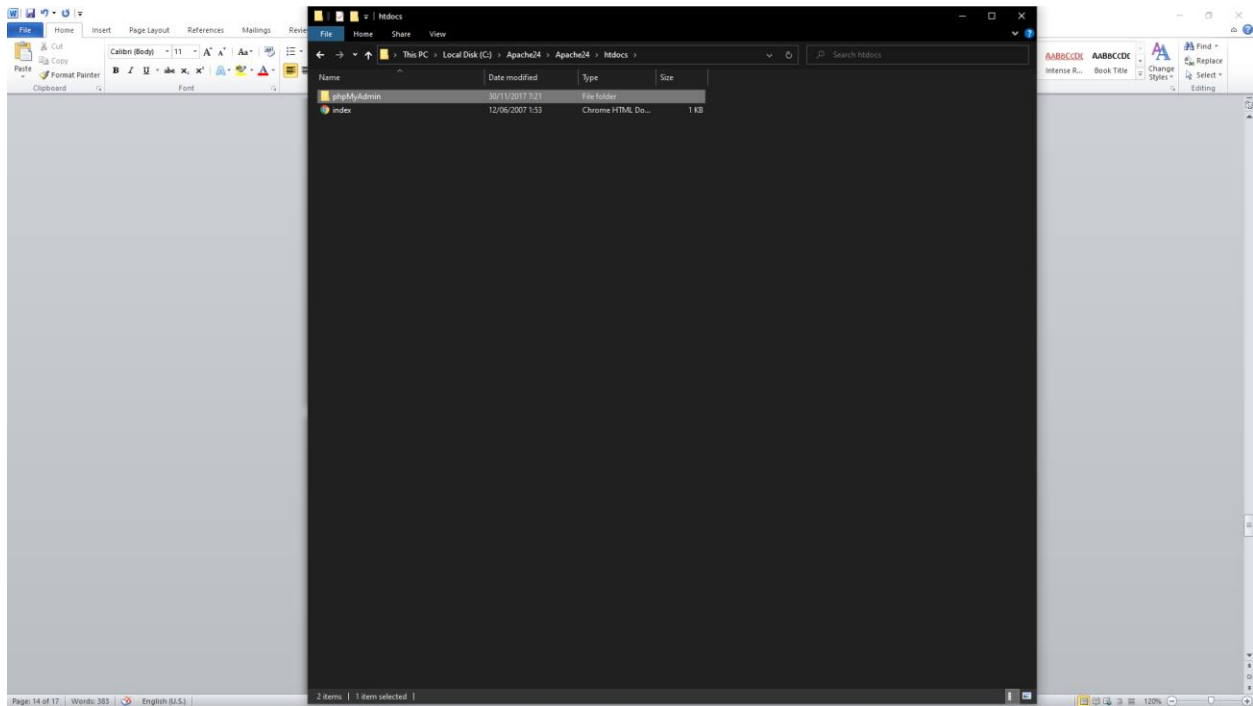
1. Download phpMyAdmin sesuai versi yang ada dibawah ini :



2. Extract file tadi di directory Apache24 sebelumnya tepatnya di fi htdocs



3. Kemudian ubah nama phpMyAdmin-4.7.6-all-languages menjadi phpMyAdmin



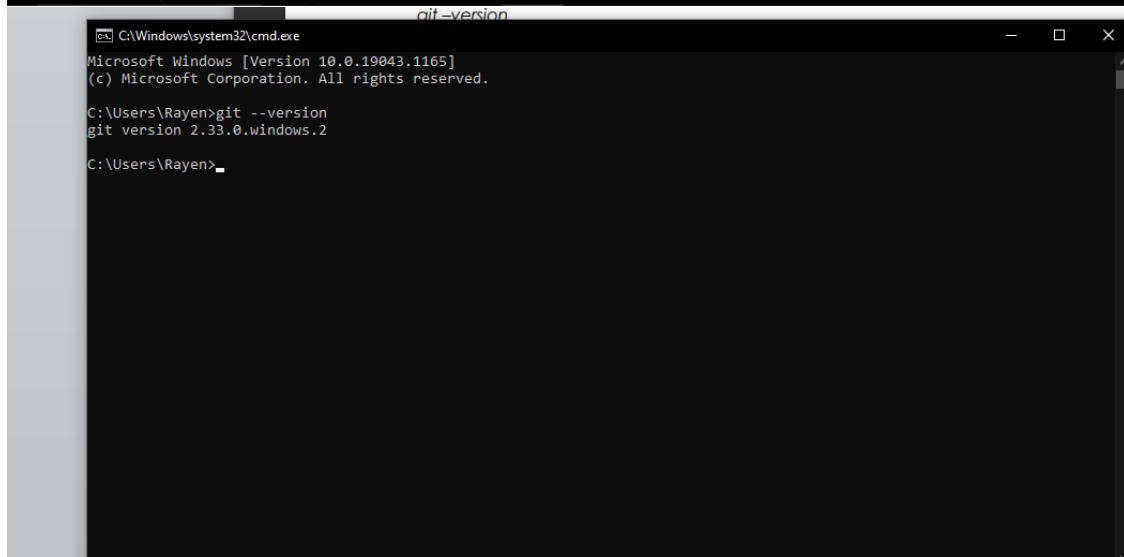
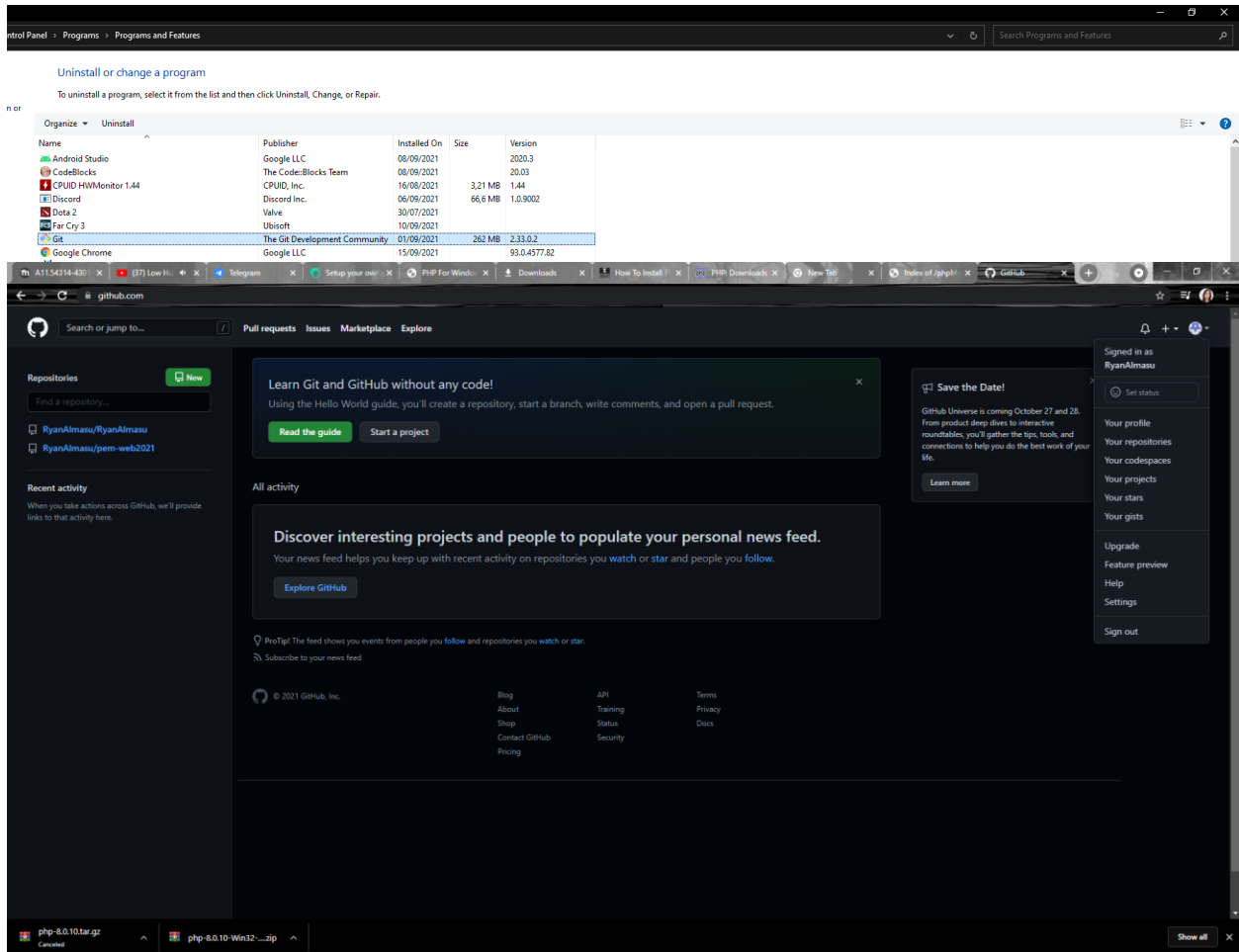
4. Kemudian pindah ke <http://localhost/phpMyAdmin>



5. Selamat anda sudah bias menggunakan phpMyAdmin

Penginstalan Git dan membuat Akun Github

1. Untuk sekarang saya telah mempunyai akun dan penginstalan git sejak lama , oleh karena itu saya hanya memperlihatkan anda versi git yang saya gunakan :

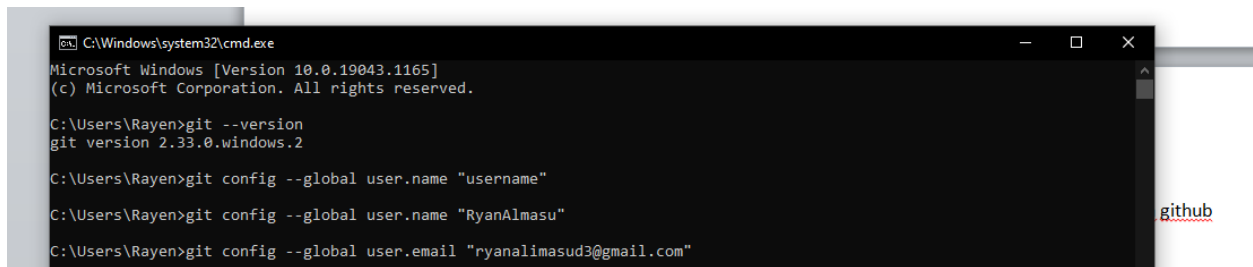


Itu adalah versi git yang saya punya dan akan saya perlihatkan bagaimana cara upload git di akun github dengan push :

1. Pastikan anda mempunyai akun github dan git

2. kemudian ketikkan git config --global user.name "username" git config --global user.email "email "

Untuk menautkan akun github yang akan diremote kedalam git



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19043.1165]
(c) Microsoft Corporation. All rights reserved.

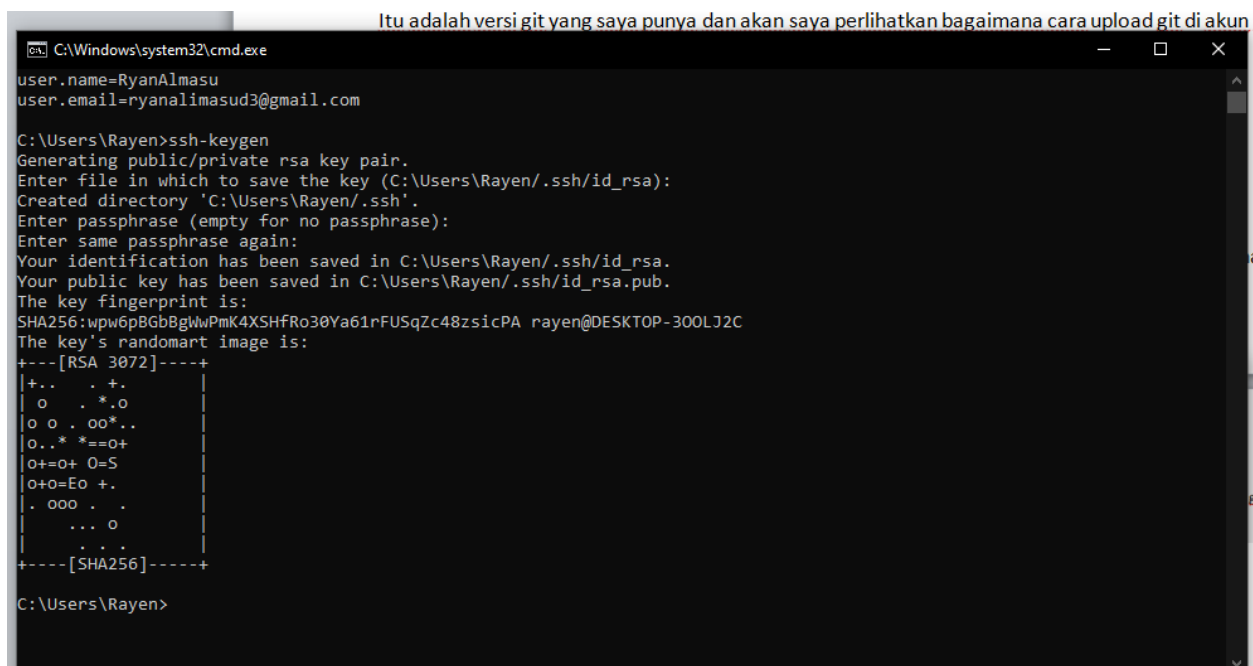
C:\Users\Rayen>git --version
git version 2.33.0.windows.2

C:\Users\Rayen>git config --global user.name "username"

C:\Users\Rayen>git config --global user.name "RyanAlmasu"

C:\Users\Rayen>git config --global user.email "ryanalimasud3@gmail.com"
```

3. Setelah itu maka yang anda harus lakukan adalah menambahkan setup tambahan dengan mengetikkan ssh-keygen kemudian tinggal enter sampai muncul gambar dibawah ini :

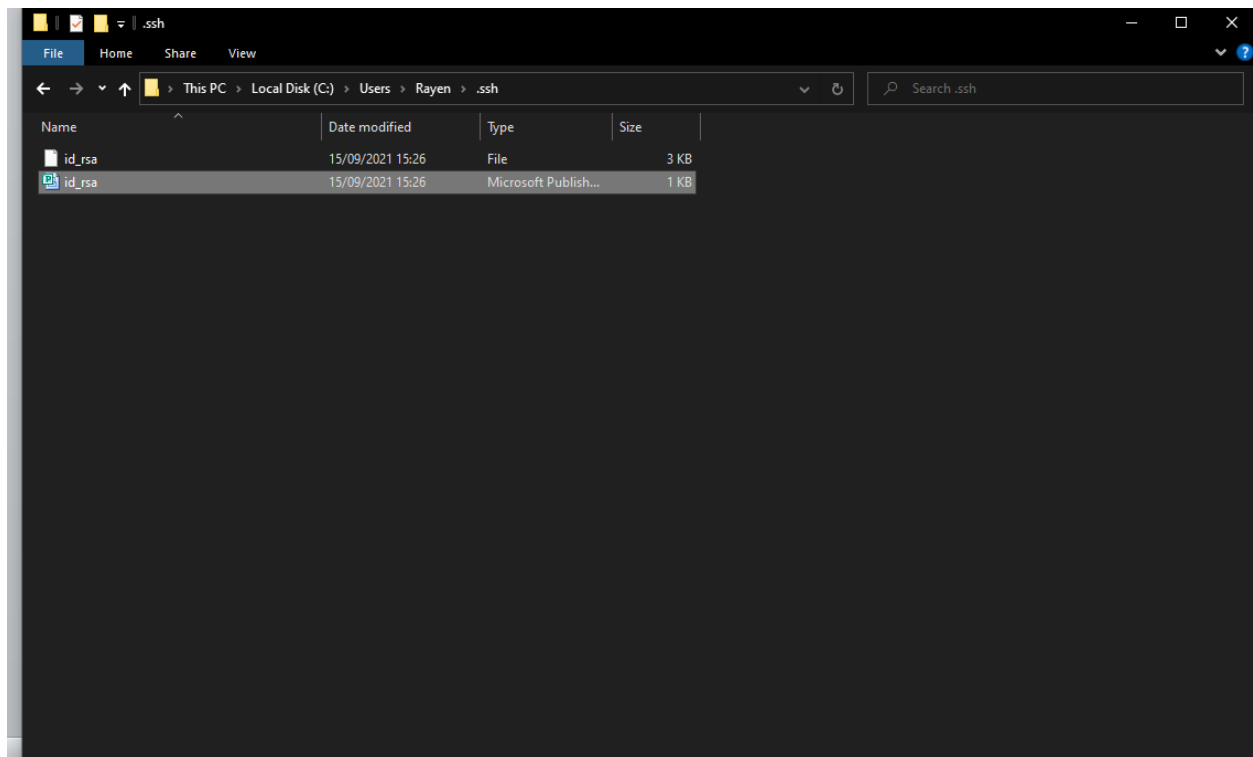


```
Itu adalah versi git yang saya punya dan akan saya perlihatkan bagaimana cara upload git di akun
C:\Windows\system32\cmd.exe
user.name=RyanAlmasu
user.email=ryanalimasud3@gmail.com

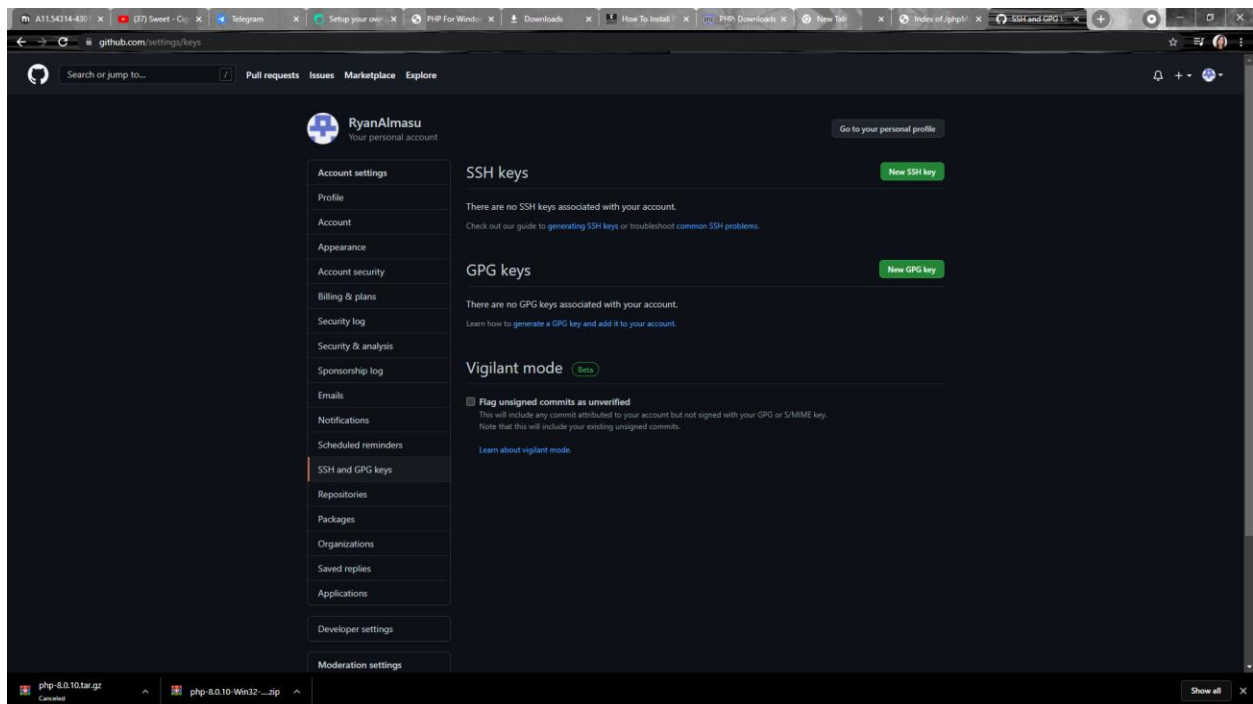
C:\Users\Rayen>ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\Rayen/.ssh/id_rsa):
Created directory 'C:\Users\Rayen/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in C:\Users\Rayen/.ssh/id_rsa.
Your public key has been saved in C:\Users\Rayen/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:wpw6pBGbBgWwPmK4XSHfRo30Ya61rFUSqZc48zsiCPA rayen@DESKTOP-300LJ2C
The key's randomart image is:
+---[RSA 3072]-----+
|..  .+.
|o  .*.o
|o o . oo*..
|o..* ==o+
|o+=o+ O=S
|o+O=EO +.
|.ooo . .
|... o
|. . .
+---[SHA256]-----+

C:\Users\Rayen>
```

4. Langkah selanjutnya adalah mengedit file yang ada di Direktory users , dan masuk ke direktori .ssh , edit file yang

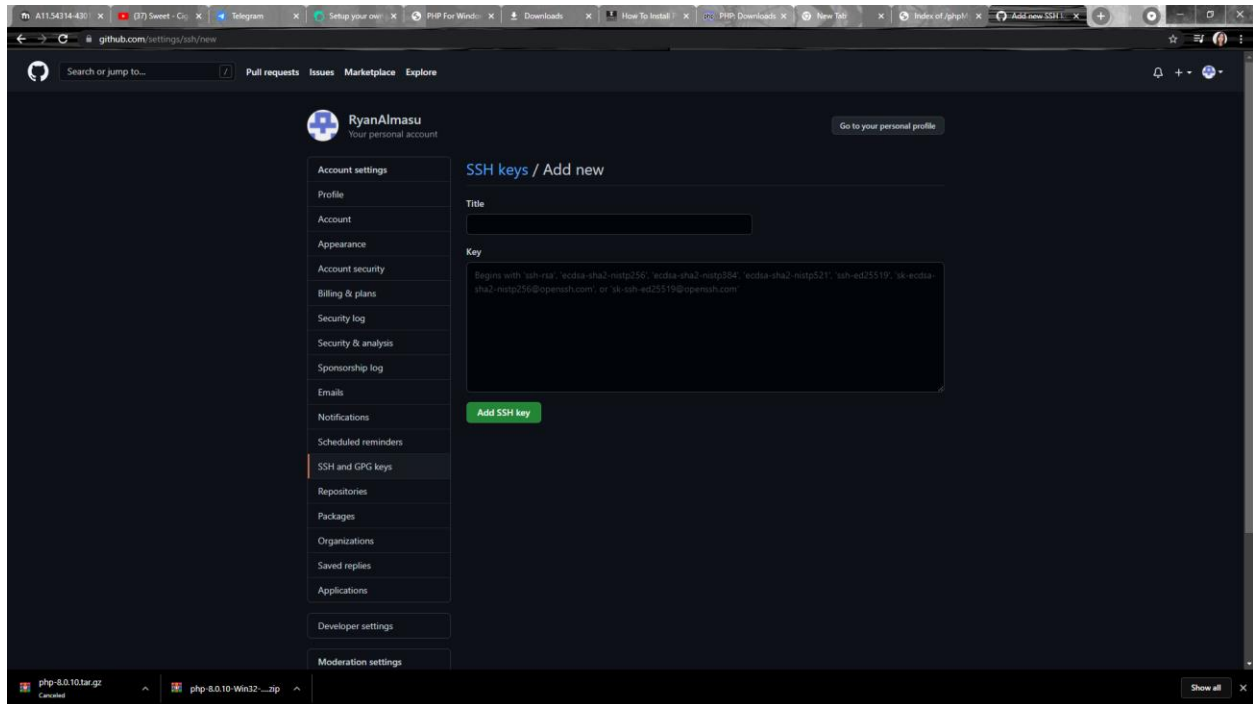


5. Kemudian copy ssh rsa dan paste ke github (Semua isian yang ada di file id_rsa.pub). Login ke akun GitHub, dan buka menu Settings dan klik menu SSH and GPG Keys (sesuai gambar dibawah ini)

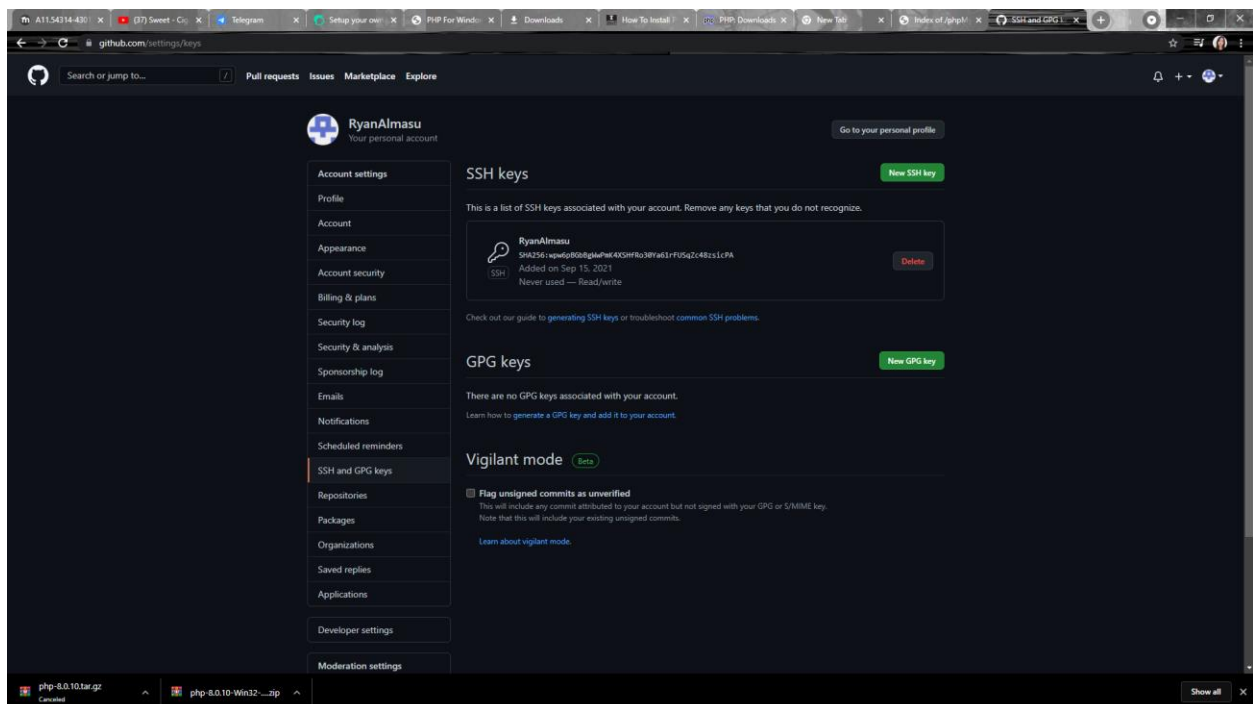


6. Kemudian masukkan title : (sesuai yang anda mau)

Dan (key diisi oleh ssh yang ada di komputer local anda ke key

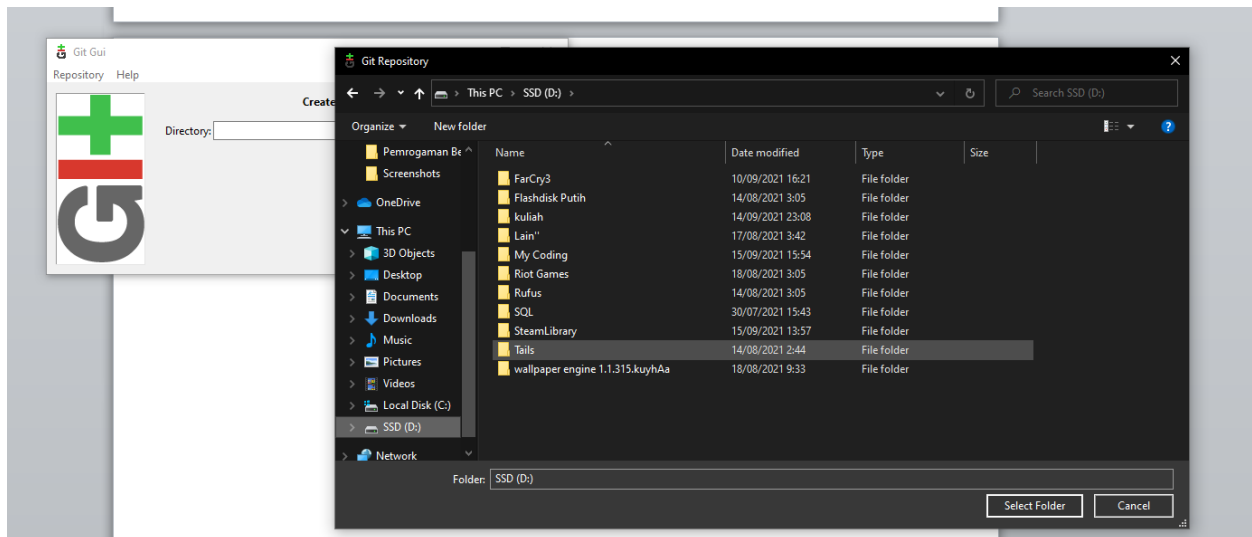


7. Kemudian add ssh key

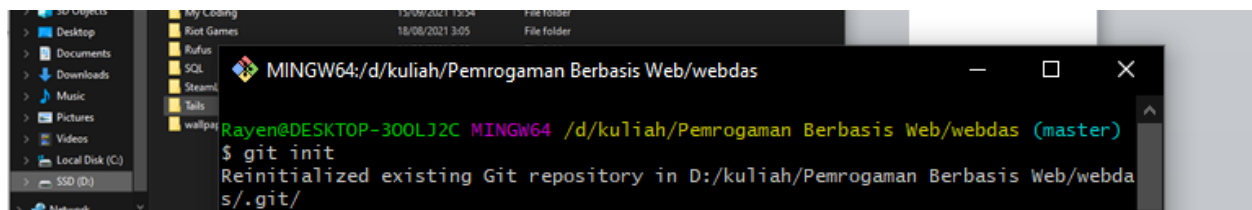


Remote Github dengan Git

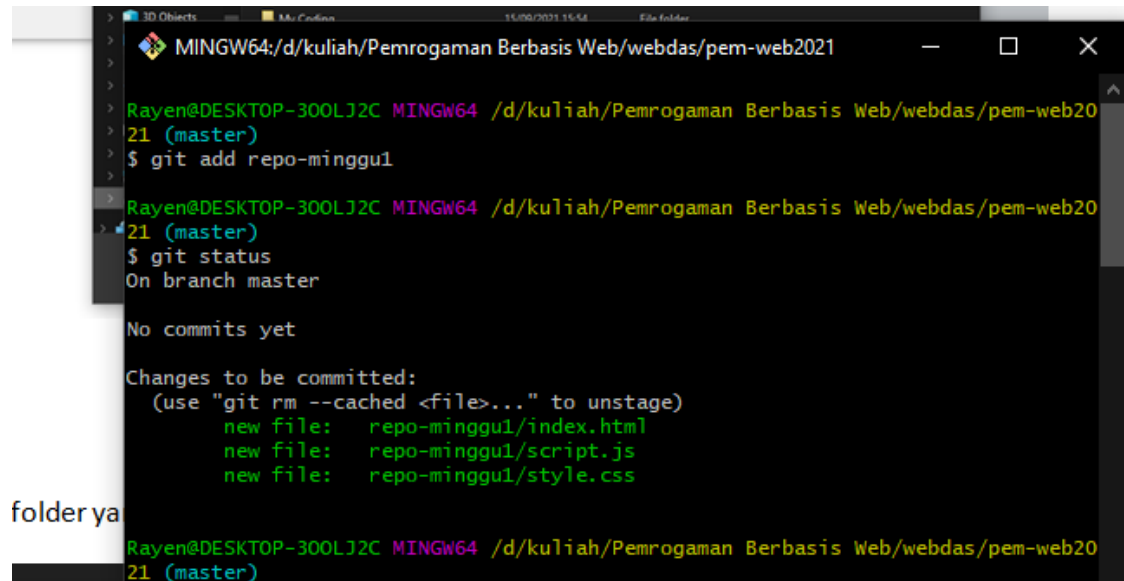
1. Buat repository tempat untuk menyimpan di komputer local ,



2. Ketikkan git init di folder yang ada tadi



3. Cek git status dengan mengetikkan git status :



A screenshot of a Windows terminal window titled "MINGW64:/d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021". The prompt is "Rayen@DESKTOP-300LJ2C MINGW64 /d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021 (master)". The user has entered the command "git add repo-minggu1". The prompt is now "21 (master)". The user enters "git status". The output is "On branch master", "No commits yet", and "Changes to be committed: (use 'git rm --cached <file>...' to unstage)". The changes listed are "new file: repo-minggu1/index.html", "new file: repo-minggu1/script.js", and "new file: repo-minggu1/style.css". The prompt returns to "21 (master)".

```
Rayen@DESKTOP-300LJ2C MINGW64 /d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021 (master)
$ git add repo-minggu1

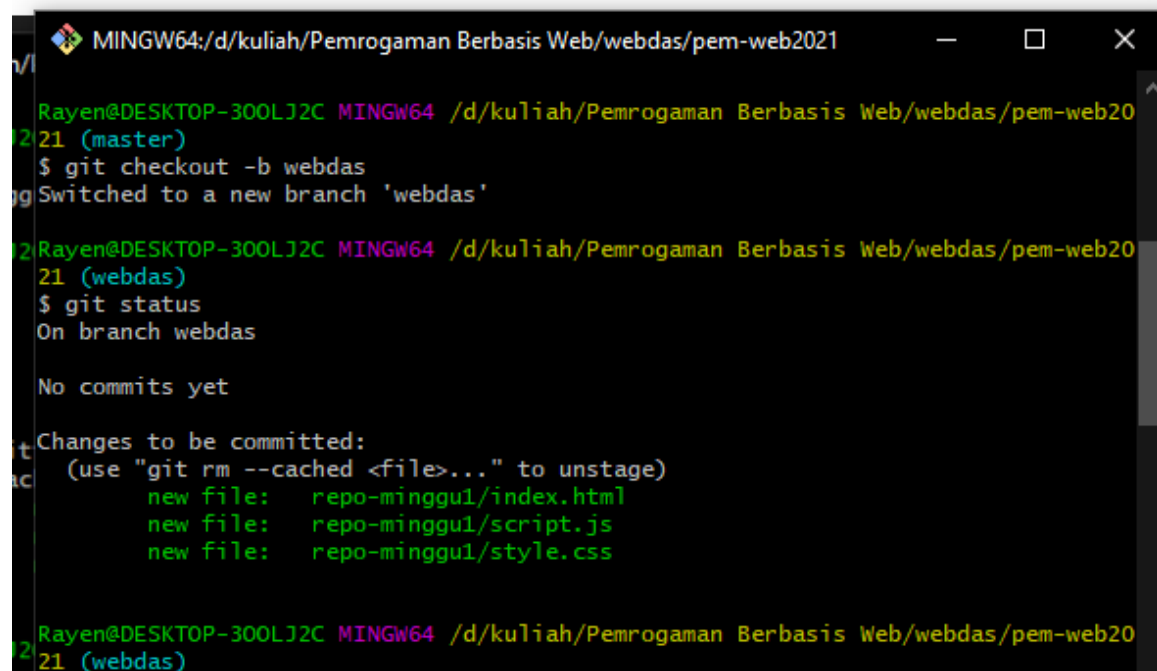
Rayen@DESKTOP-300LJ2C MINGW64 /d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021 (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   repo-minggu1/index.html
        new file:   repo-minggu1/script.js
        new file:   repo-minggu1/style.css

Rayen@DESKTOP-300LJ2C MINGW64 /d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021 (master)
```

4. kemudian ketikkan git checkout -b webdas untuk pindah / mengaktifkan branch



A screenshot of a Windows terminal window titled "MINGW64:/d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021". The prompt is "Rayen@DESKTOP-300LJ2C MINGW64 /d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021 (master)". The user enters "git checkout -b webdas". The output is "Switched to a new branch 'webdas'". The prompt is now "21 (webdas)". The user enters "git status". The output is "On branch webdas", "No commits yet", and "Changes to be committed: (use 'git rm --cached <file>...' to unstage)". The changes listed are "new file: repo-minggu1/index.html", "new file: repo-minggu1/script.js", and "new file: repo-minggu1/style.css". The prompt returns to "21 (webdas)".

```
Rayen@DESKTOP-300LJ2C MINGW64 /d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021 (master)
$ git checkout -b webdas
Switched to a new branch 'webdas'

Rayen@DESKTOP-300LJ2C MINGW64 /d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021 (webdas)
$ git status
On branch webdas

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   repo-minggu1/index.html
        new file:   repo-minggu1/script.js
        new file:   repo-minggu1/style.css

Rayen@DESKTOP-300LJ2C MINGW64 /d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021 (webdas)
```

5. Lakukan commit dengan `git commit -m "kata commit"`

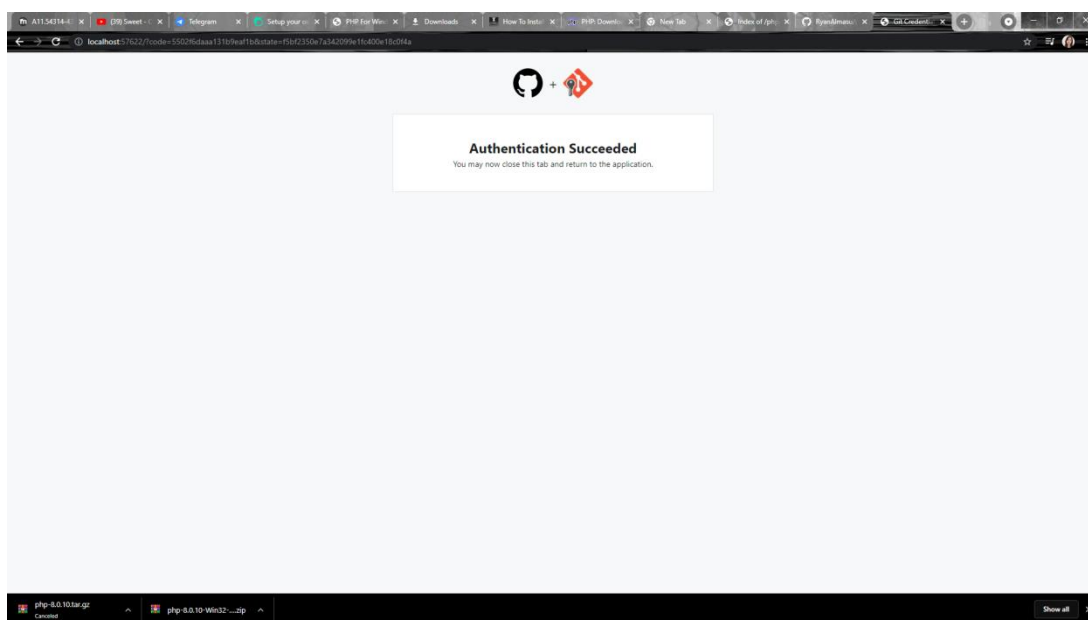
```
MINGW64:/d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021
Rayen@DESKTOP-300LJ2C MINGW64 /d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021 (webdas)
$ git commit -m "Ubah repo webdas untuk repo-minggu1"
[webdas (root-commit) 32cc5f9] Ubah repo webdas untuk repo-minggu1
3 files changed, 837 insertions(+)
create mode 100644 repo-minggu1/index.html
create mode 100644 repo-minggu1/script.js
create mode 100644 repo-minggu1/style.css
```

6. Lakukan push git ke github dengan `git push origin webdas`

```
Rayen@DESKTOP-300LJ2C MINGW64 /d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021 (webdas)
$ git push origin webdas
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 5.02 KiB | 5.02 MiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/RyanAlmasu/pem-web2021
 * [new branch]      webdas -> webdas

Rayen@DESKTOP-300LJ2C MINGW64 /d/kuliah/Pemrograman Berbasis Web/webdas/pem-web2021 (webdas)
$
```

7. Lakukan autentikasi



8. Repository berhasil diupload

