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MATKUL : Pemrograman Berbasis Web

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===== INSTALLING APACHE =====

Disini saya menggunakan Web Server Apache versi 2.4.48 yang saya download di

<https://www.apachelounge.com/download/>

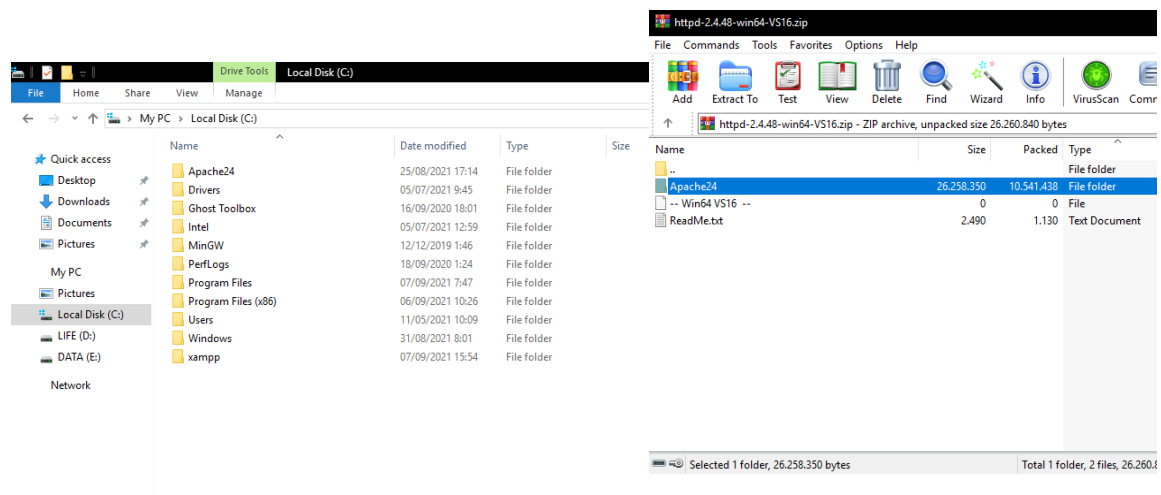
Saya menginstall Apache dengan panduan pada website

<https://cafeteria.id/2019/12/26/cara-install-web-server-apache-di-windows-10/>

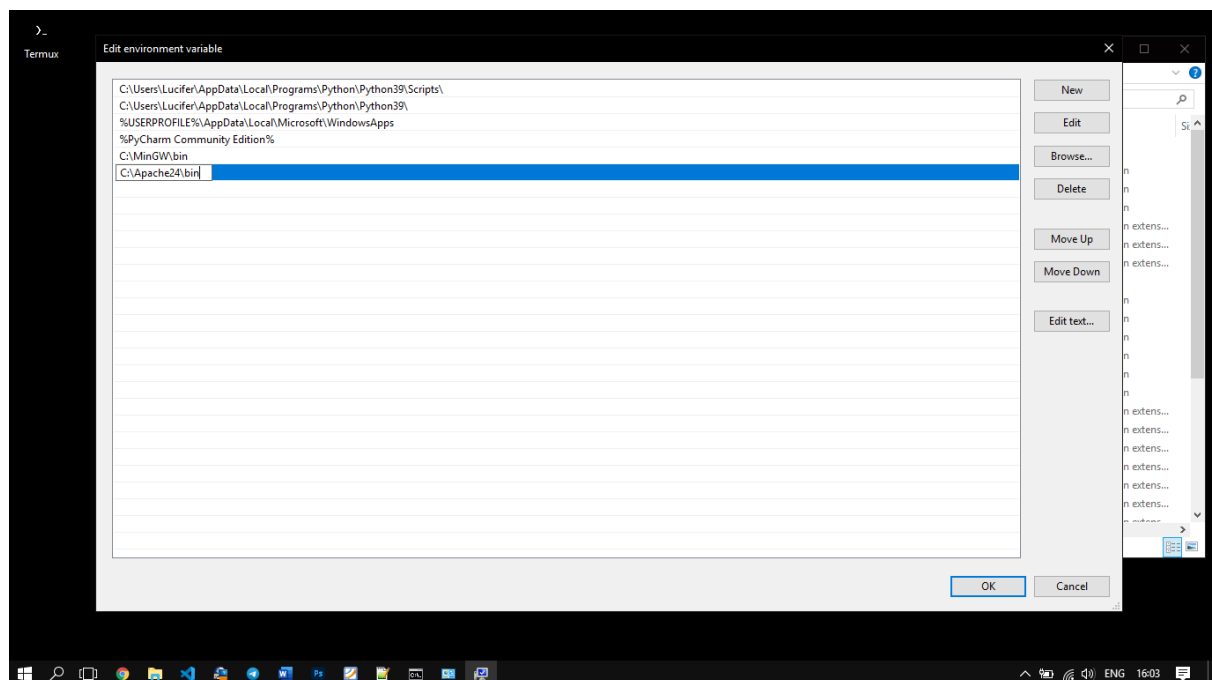
<https://httpd.apache.org/docs/2.4/platform/windows.html>

INSTALLASI

1. Ekstrak



2. Tambah ke path



3. Setting httpd.conf

C:\Apache24\conf\httpd.conf

```
#LoadModule rewrite_module modules/mod_rewrite.so
```

Hilangkan tanda # sehingga menjadi

```
LoadModule rewrite_module modules/mod_rewrite.so
```

Cari baris 227

```
#ServerName www.example.com:80
```

Ubah menjadi

```
ServerName localhost:80
```

Cari baris 272 yang ada .htaccess

```
AllowOverride None
```

Ganti menjadi

```
AllowOverride All
```

SAYA MENGUBAH DEFAULT DIRECTORY ROOT WEB PAGE

```
DocumentRoot "${SRVROOT}/htdocs"
```

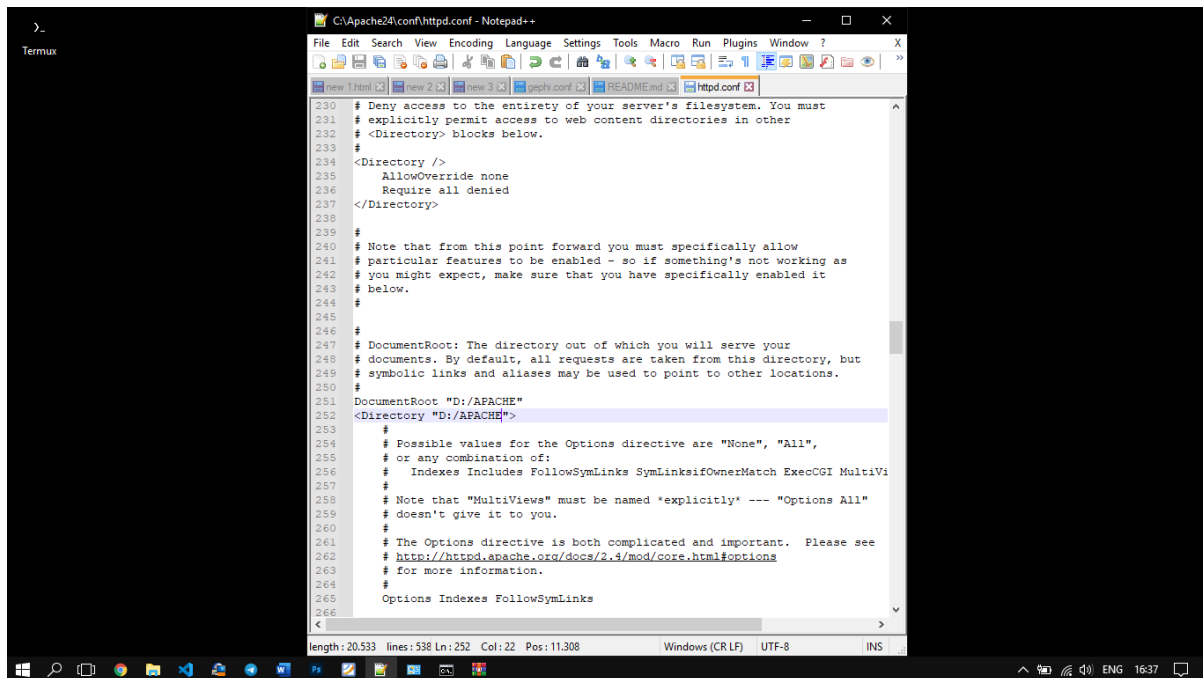
```
<Directory "${SRVROOT}/htdocs">
```

Saya ganti ke D:\APACHE

```
DocumentRoot "D:/APACHE"
```

```
<Directory "D:/APACHE">
```

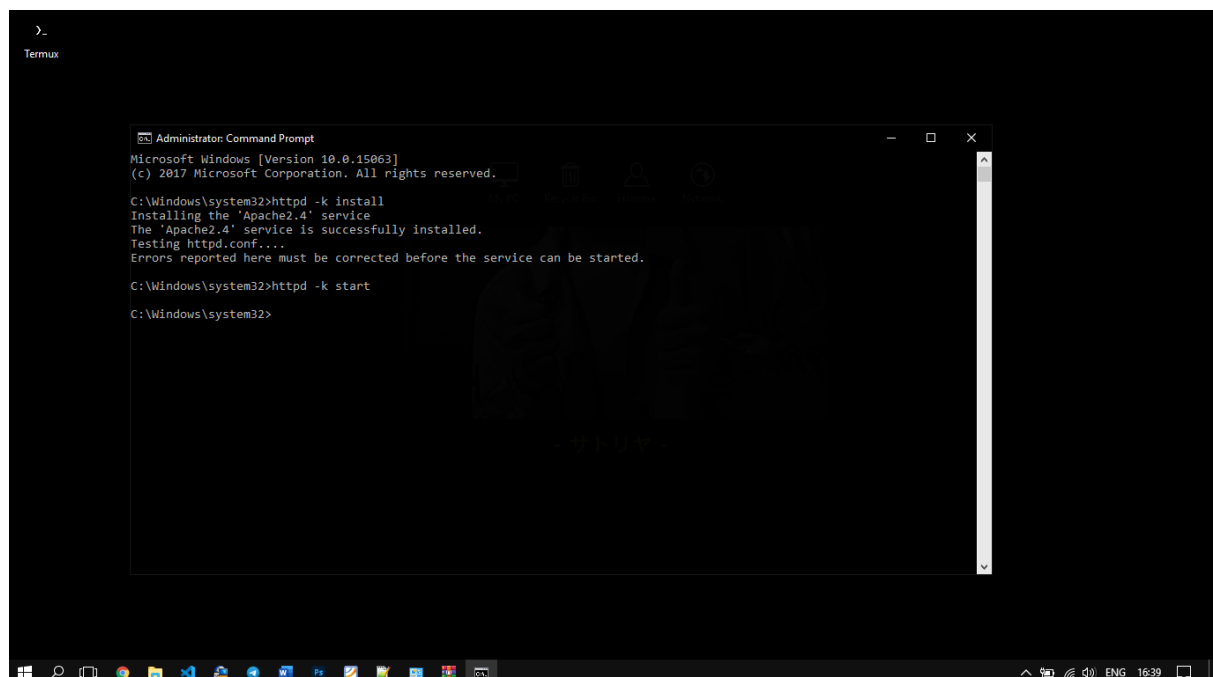
HASIL SETTING



The screenshot shows a Notepad++ window titled "C:\Apache24\conf\httpd.conf - Notepad++". The window displays the configuration file httpd.conf with various settings. The status bar at the bottom indicates the file length is 20,533, with 538 lines, 252 columns, and 11,308 positions. The encoding is UTF-8 and the line endings are Windows (CR LF).

```
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 # Note that from this point forward you must specifically allow
240 # particular features to be enabled - so if something's not working as
241 # you might expect, make sure that you have specifically enabled it
242 # below.
243 #
244 #
245 #
246 # DocumentRoot: The directory out of which you will serve your
247 # documents. By default, all requests are taken from this directory, but
248 # symbolic links and aliases may be used to point to other locations.
249 #
250 DocumentRoot "D:/APACHE"
251 <Directory "D:/APACHE">
252     #
253     # Possible values for the Options directive are "None", "All",
254     # or any combination of:
255     #   Indexes Includes FollowSymLinks SymLinksifOwnerMatch ExecCGI MultiViews
256     # Note that "MultiViews" must be named *explicitly* --- "Options All"
257     # doesn't give it to you.
258     # The Options directive is both complicated and important. Please see
259     # http://httpd.apache.org/docs/2.4/mod/core.html#options
260     # for more information.
261     #
262     Options Indexes FollowSymLinks
263 #
264 #
265 #
266 #
```

4. INSTALL HTTPD DAN START SERVICE



The screenshot shows a Windows Command Prompt window titled "Administration: Command Prompt". The window displays the following commands and output:

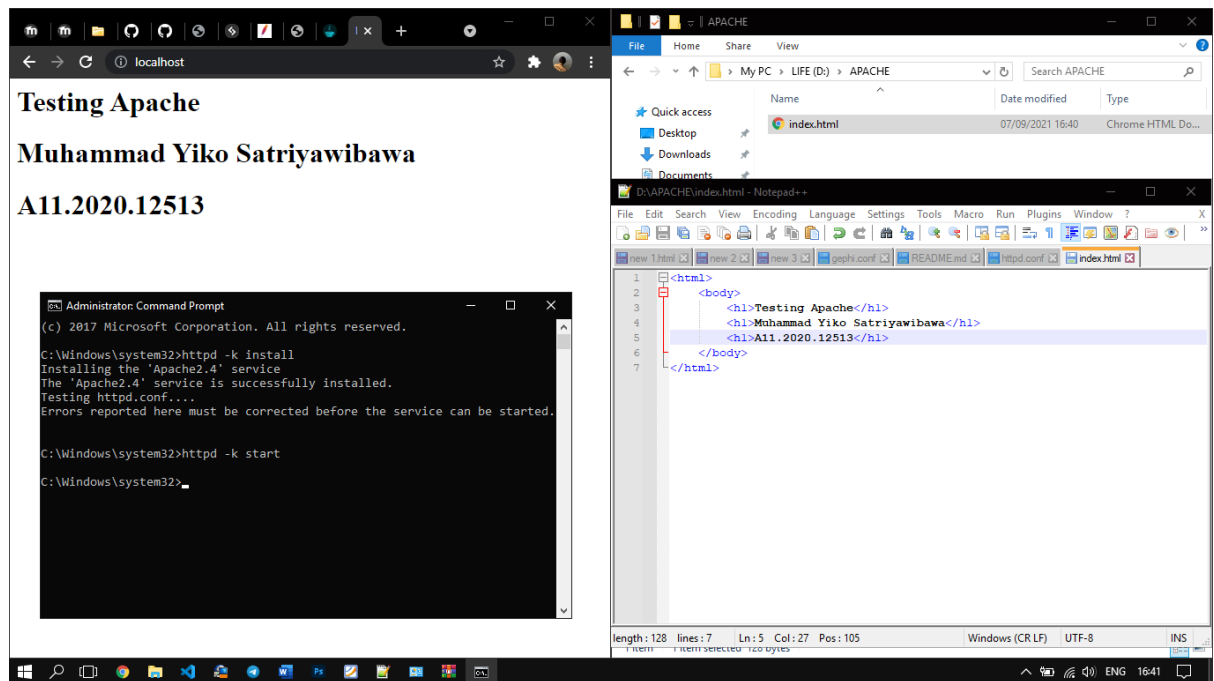
```
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Windows\system32>httpd -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.

C:\Windows\system32>httpd -k start

C:\Windows\system32>
```

5. BUAT FILE HTML DI DIREKTORI DAN RUN LOCALHOST DI BROWSER



Saat membuka localhost pada browser maka akan langsung membuka file **index.html** pada direktori

D:/APACHE/index.html

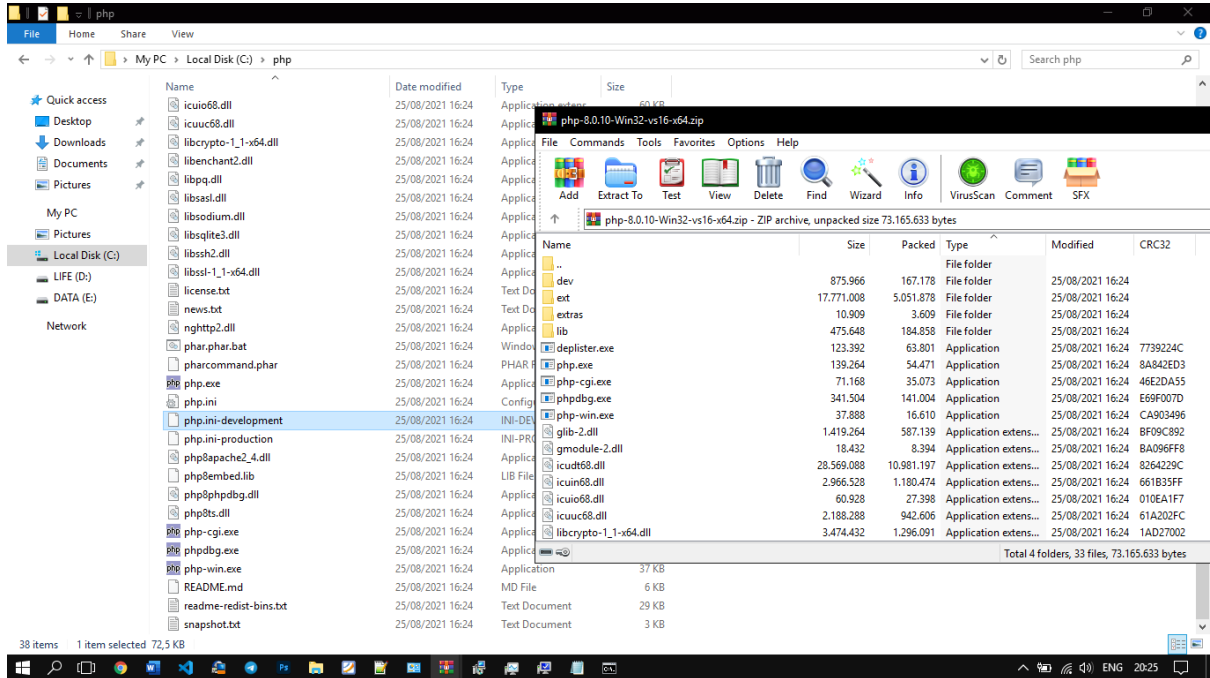
Dengan berhasilnya ini, menandakan Apache berhasil diinstall dan dijalankan (Web Server sudah aktif)

INSTALLING PHP

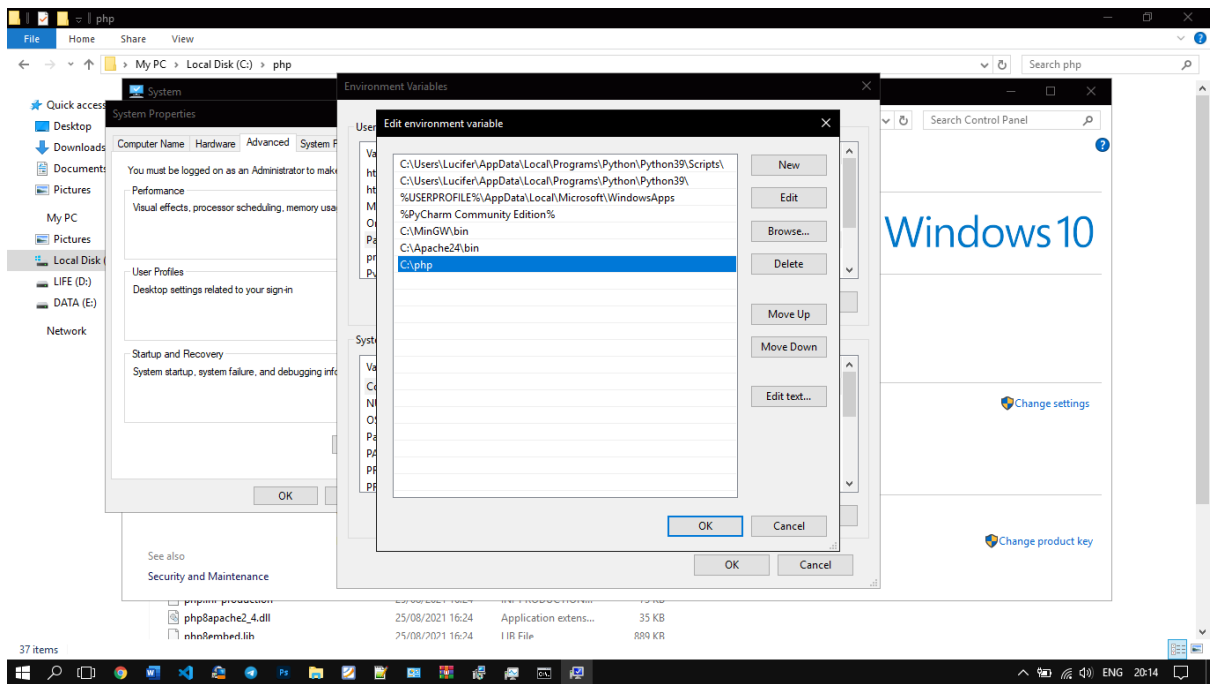
<https://www.sitepoint.com/how-to-install-php-on-windows/>

<https://windows.php.net/download#php-8.0>

Ekstrak



Set Path



Mengoneksikan PHP dengan Apache di C:\Apache24\conf\httpd.conf

The screenshot shows a web browser window on the left displaying a tutorial page from sitepoint.com. The page title is "Level up with over 600 of the best tech text and video courses". The main heading is "Step 5: Configure PHP as an Apache module". The text on the page says: "Ensure Apache isn't running and open its C:\Apache24\conf\httpd.conf configuration file in a text editor. Add the following lines to the bottom of the file to set PHP as an Apache module (change the file locations if necessary):". Below this, a code block shows the following configuration lines:

```
# PHP8 module
PHPIniDir "C:/php"
LoadModule php_module "C:/php/php8apache2_4.dll"
AddType application/x-httpd-php .php
```

Below the code block, the text says: "Optionally, change the DirectoryIndex setting to load index.php instead of index.html when it can be found. The initial setting is:". To the right, a Notepad++ window shows the C:\Apache24\conf\httpd.conf file. The file contains various configuration directives. The following lines are highlighted in blue, corresponding to the code block in the tutorial:

```
506 # Real-time info on requests and configuration
507 #Include conf/extra/httpd-info.conf
508
509 # Virtual hosts
510 #Include conf/extra/httpd-vhosts.conf
511
512 # Local access to the Apache HTTP Server Manual
513 #Include conf/extra/httpd-manual.conf
514
515 # Distributed authoring and versioning (WebDAV)
516 #Include conf/extra/httpd-dav.conf
517
518 # Various default settings
519 #Include conf/extra/httpd-default.conf
520
521 # Configure mod_proxy_html to understand HTML4/XHTML1
522 <IfModule proxy_html_module>
523 Include conf/extra/proxy-html.conf
524 </IfModule>
525
526 # Secure (SSL/TLS) connections
527 #Include conf/extra/httpd-ssl.conf
528
529 # Note: The following must be present to support
530 # starting without SSL on platforms with no /dev/random equivalent
531 # but a statically compiled-in mod_ssl.
532
533 <IfModule ssl_module>
534 SSLRandomSeed startup builtin
535 SSLRandomSeed connect builtin
536 </IfModule>
537
538 # PHP8 module
539 PHPIniDir "C:/php"
540 LoadModule php_module "C:/php/php8apache2_4.dll"
541 AddType application/x-httpd-php .php
```

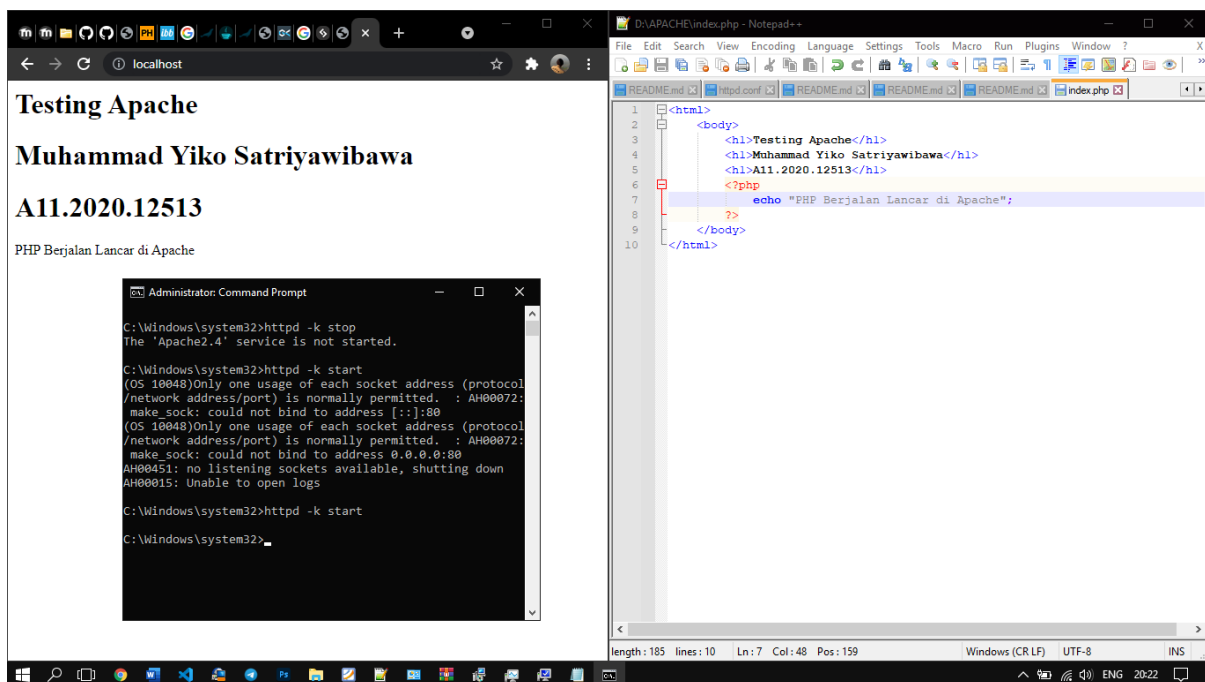
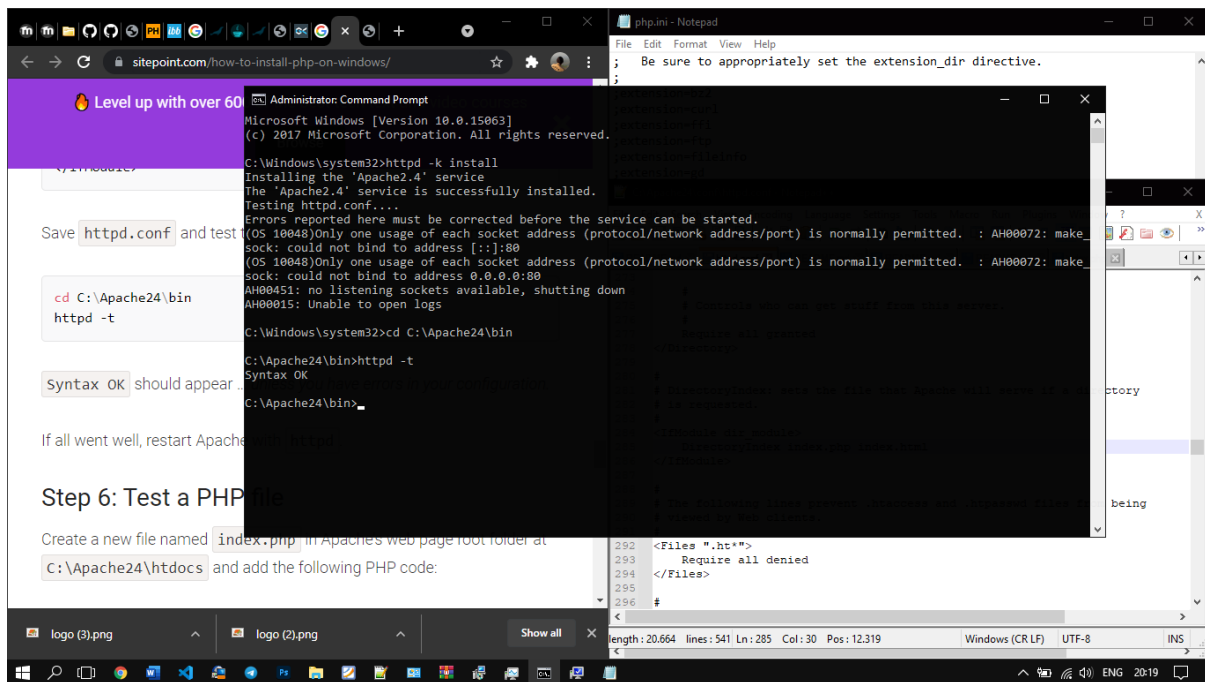
The screenshot shows a web browser window on the left displaying the same tutorial page. The text on the page says: "Optionally, change the DirectoryIndex setting to load index.php instead of index.html when it can be found. The initial setting is:". Below this, a code block shows the following configuration lines:

```
<IfModule dir_module>
    DirectoryIndex index.html
</IfModule>
```

Below the code block, the text says: "Change it to:". To the right, a Notepad++ window shows the C:\Apache24\conf\httpd.conf file. The following lines are highlighted in blue, corresponding to the code block in the tutorial:

```
273 #
274 # Controls who can get stuff from this server.
275 #
276 # Require all granted
277 </Directory>
278
279 #
280 # DirectoryIndex: sets the file that Apache will serve if a directory
281 # is requested.
282 #
283 <IfModule dir_module>
284     DirectoryIndex index.php index.html
285 </IfModule>
286
287 #
288 # The following lines prevent .htaccess and .htpasswd files from being
289 # viewed by Web clients.
290 #
291 <Files ".ht*">
292     Require all denied
293 </Files>
294
295 #
```

Testing Apakah sudah terkoneksi dengan PHP

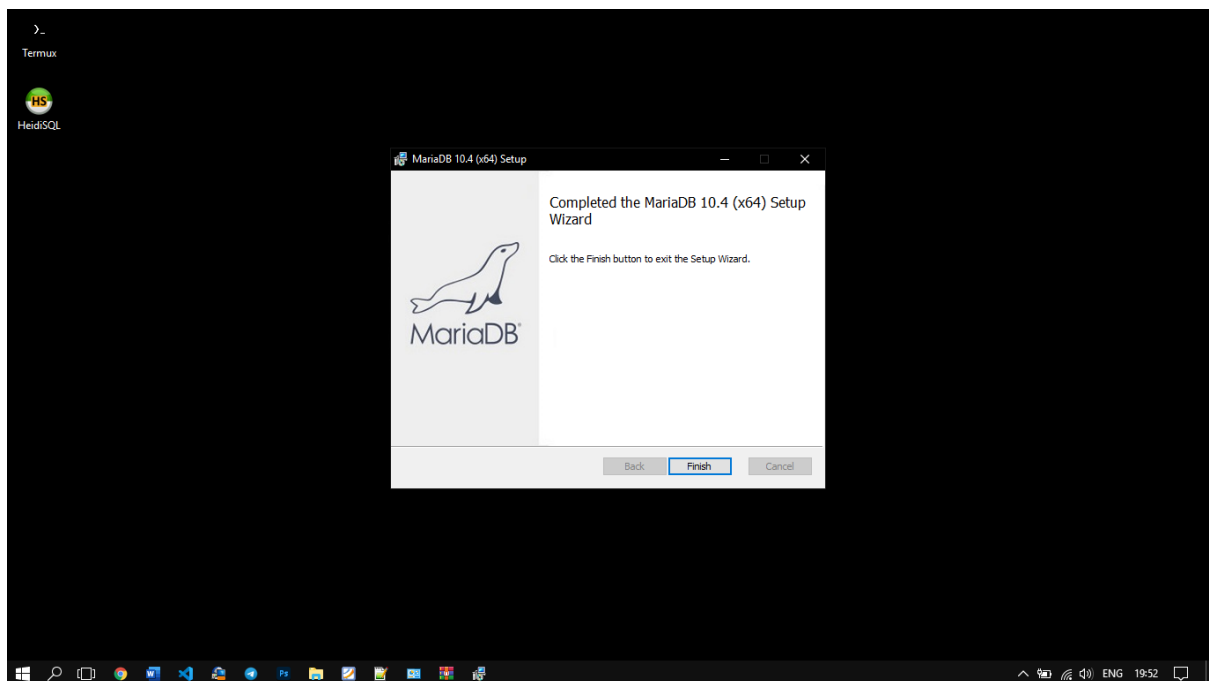
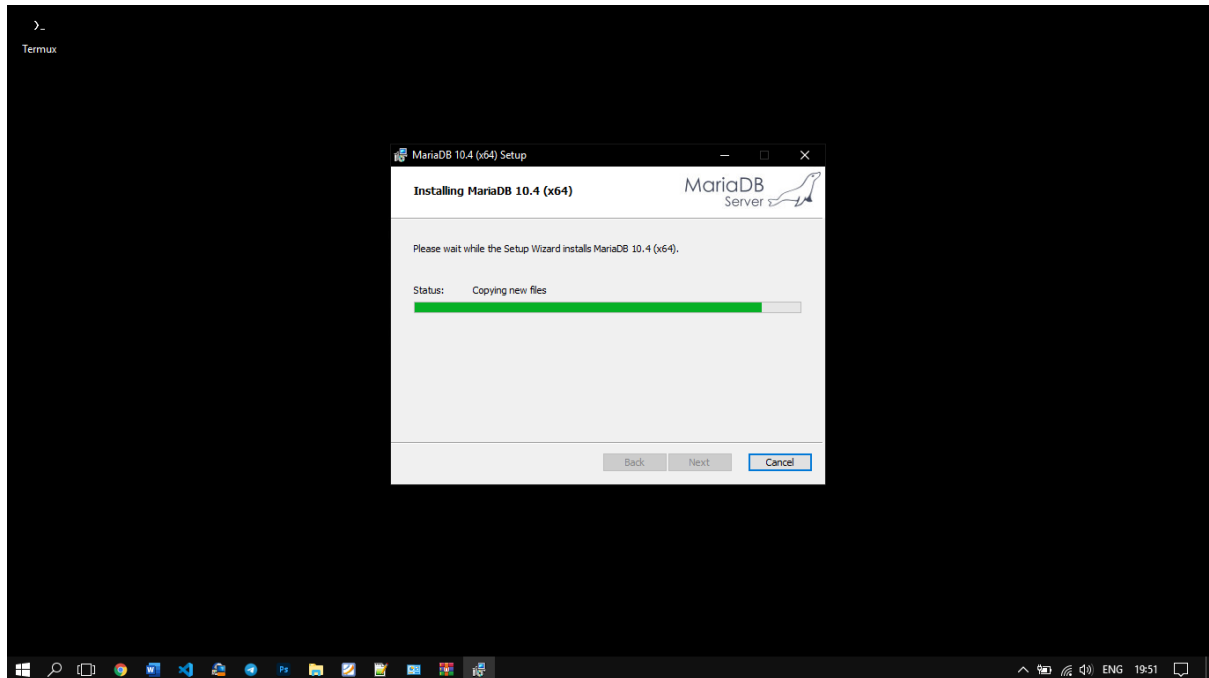


Sudah bisa menampilkan code PHP. Menandakan PHP sudah terkoneksi ke Apache

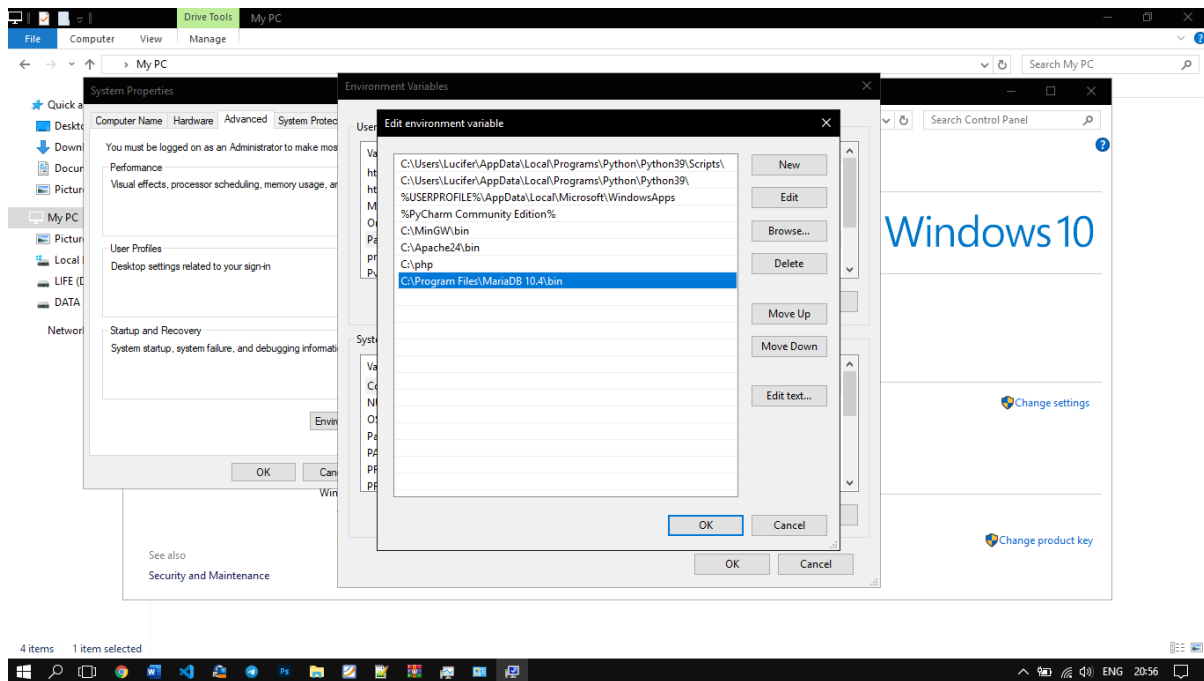
===== INSTALLING MARIADB =====

Download di <https://downloads.mariadb.org/mariadb/+releases/>

Tutorial di <https://cafeteria.id/2020/01/03/cara-instalasi-mariadb-di-windows-10/>

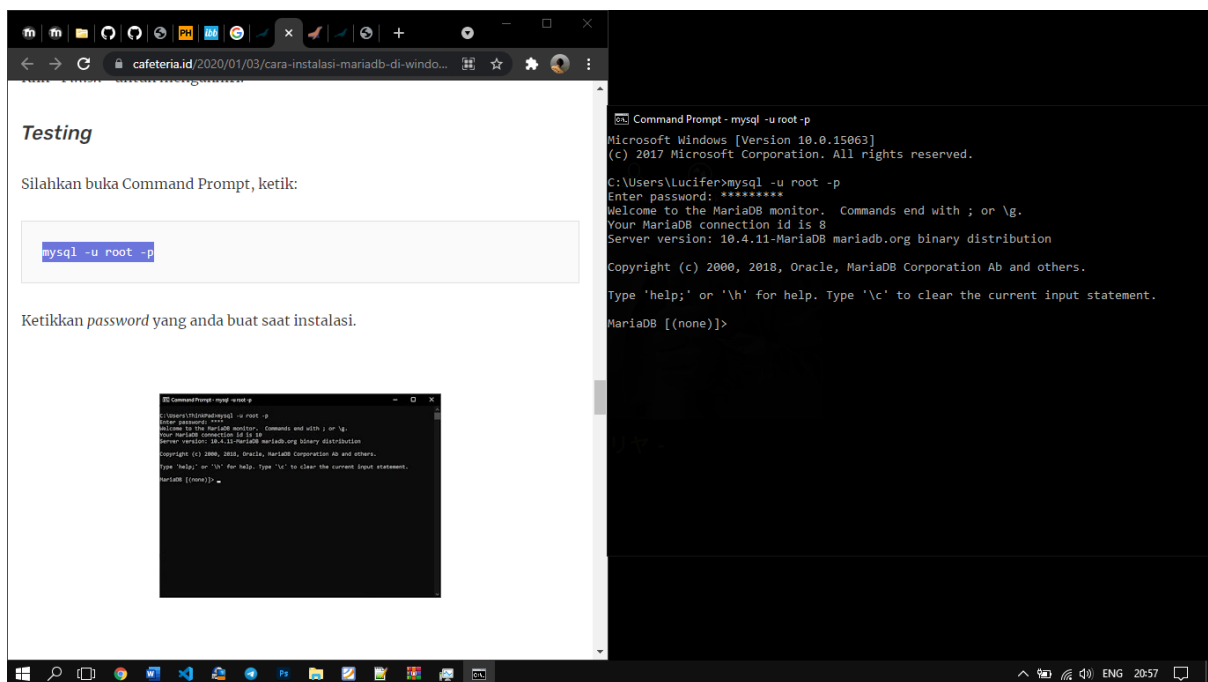


Set Path

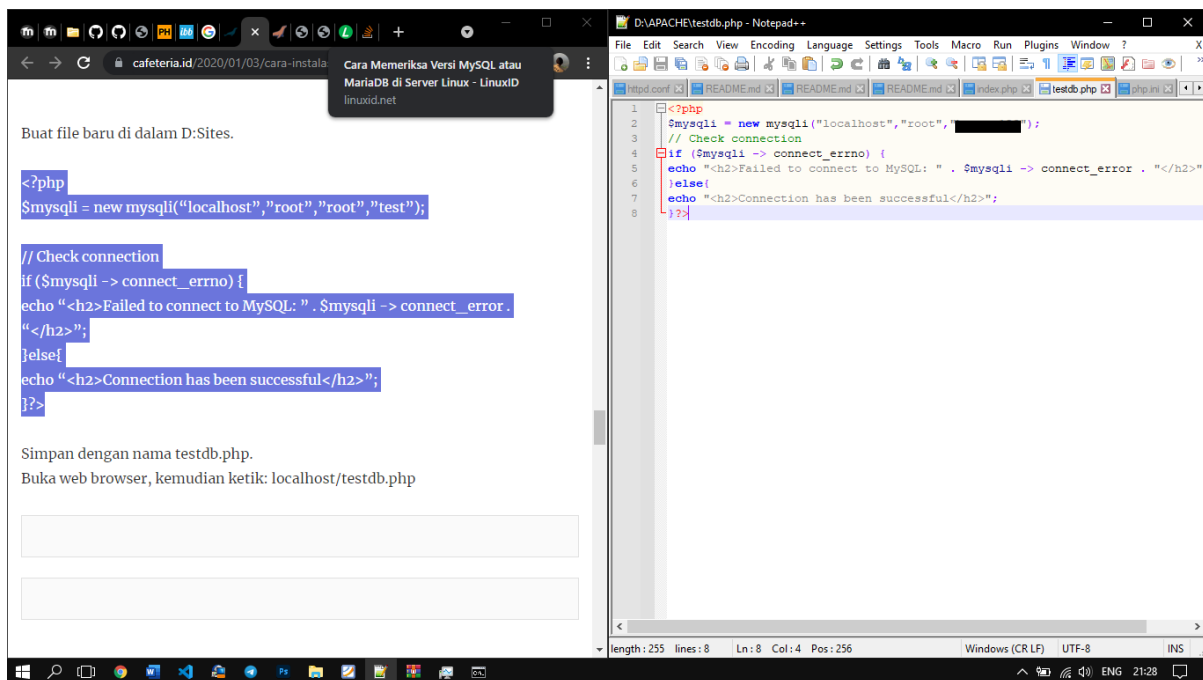


Running MariaDB

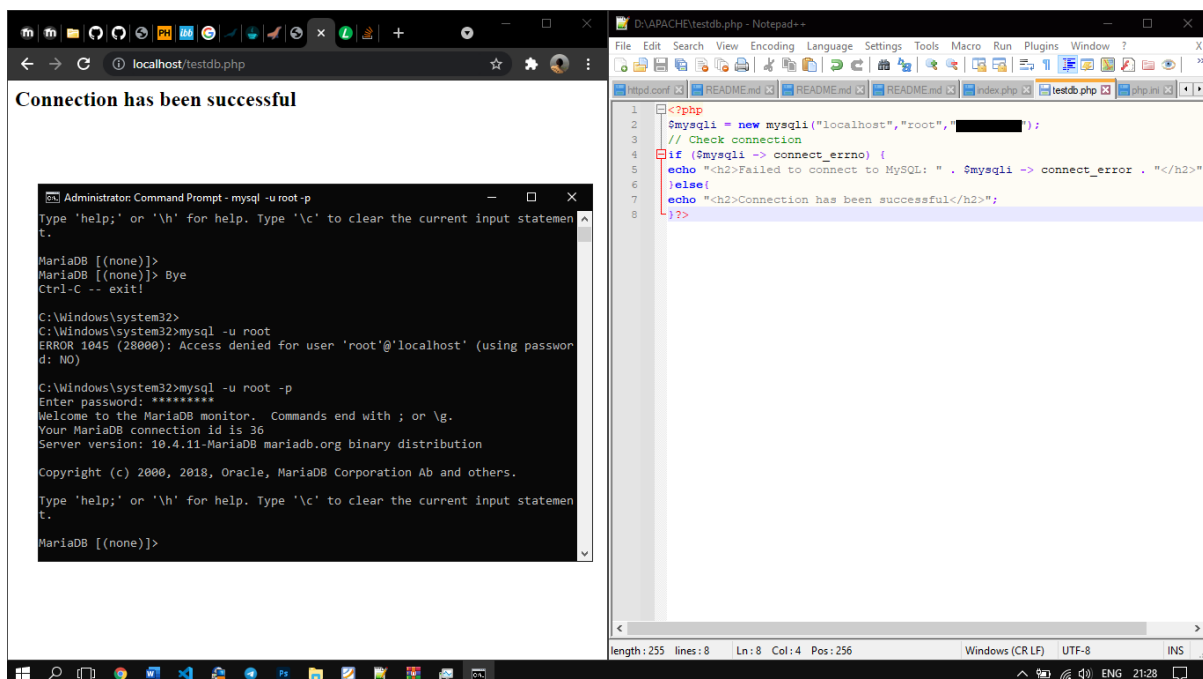
> mysql -u root -p



Testing MariaDB



Coding PHP dari web tutorial salah sehingga saya fix sendiri agar dapat connect dengan MariaDB



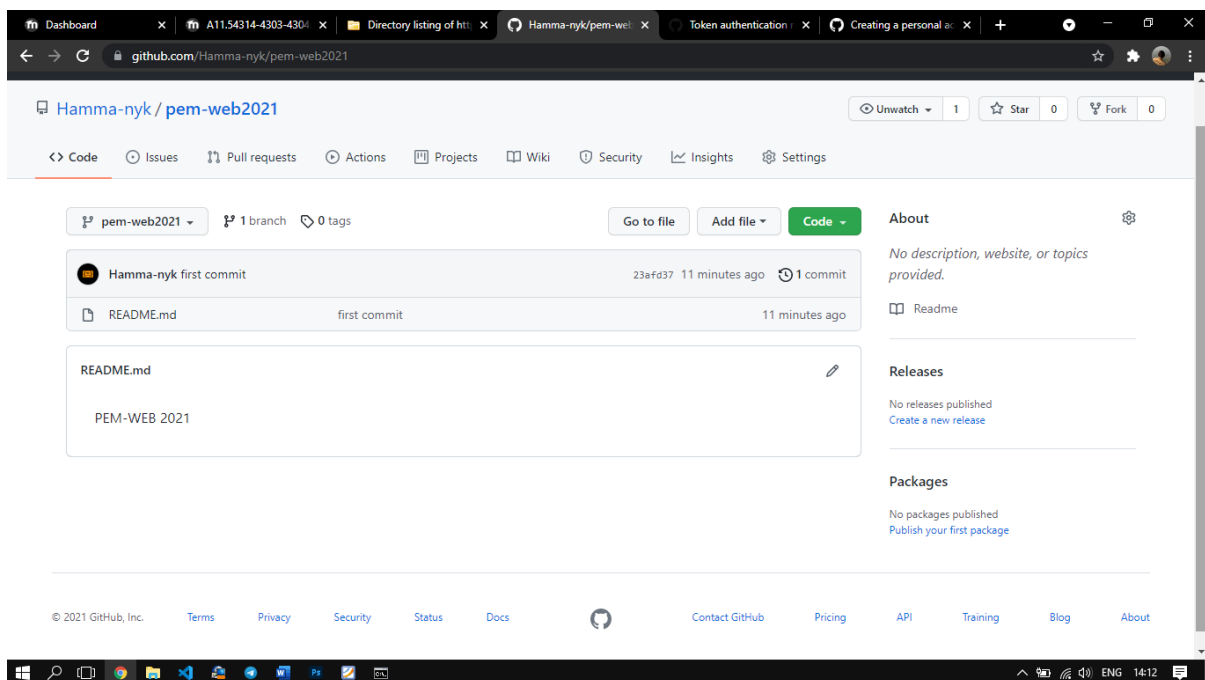
Dan alhamdulillah hasilnya connect dengan MariaDB

===== PUSH README.md =====

Saya sudah lama menginstal github, jadi tinggal push saja

```
MINGW64/d/CODING/pem-web2021
fatal: Authentication failed for 'https://github.com/Hamma-nyk/pem-web2021.git/'
Hamma@DESKTOP-7UCJ3HH MINGW64 /d/CODING/pem-web2021 (pem-web2021)
$ git push -u origin main
error: src refspec main does not match any
error: failed to push some refs to 'https://github.com/Hamma-nyk/pem-web2021.git'
Hamma@DESKTOP-7UCJ3HH MINGW64 /d/CODING/pem-web2021 (pem-web2021)
$ git push -u origin pem-web2021

Unhandled Exception: System.IO.FileNotFoundException: Could not load file or assembly 'System.Net.Http, Version=4.2.0.0, Culture=neutral, PublicKeyToken=b76a08750acff7f7' or one of its dependencies. The system cannot find the file specified.
   at Microsoft.Git.CredentialManager.Program.Main(String[] args)
Unhandled Exception: System.IO.FileNotFoundException: Could not load file or assembly 'System.Net.Http, Version=4.2.0.0, Culture=neutral, PublicKeyToken=b76a08750acff7f7' or one of its dependencies. The system cannot find the file specified.
   at Microsoft.Git.CredentialManager.Program.Main(String[] args)
Enumerating objects: 3, done.
Counting objects: 100% (3/3), 223 bytes | 223.00 KiB/s, done.
Writing objects: 100% (3/3), 223 bytes | 223.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Hamma-nyk/pem-web2021.git
 * [new branch]      pem-web2021 -> pem-web2021
Branch 'pem-web2021' set up to track remote branch 'pem-web2021' from 'origin'.
Hamma@DESKTOP-7UCJ3HH MINGW64 /d/CODING/pem-web2021 (pem-web2021)
$
```



===== PUSH TUGAS MINGGU 1 =====

```
Termux

MINGW64/e/KULIAH/PBW
Hamma@DESKTOP-7UCJ3H4 MINGW64 /e/KULIAH/PBW (pem-web2021)
$ git init
Reinitialized existing Git repository in E:/KULIAH/PBW/.git/
Hamma@DESKTOP-7UCJ3H4 MINGW64 /e/KULIAH/PBW (pem-web2021)
$ git add MINGGU-1/*
Hamma@DESKTOP-7UCJ3H4 MINGW64 /e/KULIAH/PBW (pem-web2021)
$ git commit -m "Repo Minggu 1"
[pen-web2021 ffa503d] Repo Minggu 1
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 MINGGU-1/TUGAS MINGGU 1.pdf
Hamma@DESKTOP-7UCJ3H4 MINGW64 /e/KULIAH/PBW (pem-web2021)
$ git push origin pem-web2021
Unhandled Exception: System.IO.FileNotFoundException: Could not load file or assembly 'System.Net.Http, Version=4.2.0.0, Culture=neutral, PublicKeyToken=b76a01c1f668e629' or one of its dependencies. The system cannot find the file specified
   at Microsoft.Git.CredentialManager.Program.Main(String[] args)
Unhandled Exception: System.IO.FileNotFoundException: Could not load file or assembly 'System.Net.Http, Version=4.2.0.0, Culture=neutral, PublicKeyToken=b76a01c1f668e629' or one of its dependencies. The system cannot find the file specified
   at Microsoft.Git.CredentialManager.Program.Main(String[] args)
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 445.54 KiB | 15.91 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Hamma-nyk/pem-web2021.git
9fc9761..ffa503d pem-web2021 -> pem-web2021
Hamma@DESKTOP-7UCJ3H4 MINGW64 /e/KULIAH/PBW (pem-web2021)
$
```

Dashboard x A11.54314-4303-4304 x Directory listing of htt x Edit personal access to x Hamma-nyk/pem-web2021 x git - ! [rejected] masle x +

github.com/Hamma-nyk/pem-web2021/tree/pem-web2021

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pem-web2021 1 branch 0 tags Go to file Add file Code

Hamma-nyk Repo Minggu 1 ffa503d 1 minute ago 9 commits

MINGGU-1	Repo Minggu 1	1 minute ago
README.md	ReadMe	3 minutes ago

README.md

PEM-WEB 2021

About

No description, website, or topics provided.

Readme

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