

# DOKUMENTASI PROJEK PRETEST SRASATYA

Nama : Aprilia Naura Vanessa  
Sekolah : SMKN 6 MALANG  
Jurusan : SIJA (system informasi jaringan dan aplikasi )  
Tanggal :14 juni 2025  
Nama proyek : Web server statis dengan Docker dan Nginx  
Bidang : STI – Network Engginer

## 1.Tujuan

Menjalankan web statis menggunakan Docker dan image Nginx di sistem operasi Windows, dengan dokumentasi lengkap, konfigurasi yang berjalan lancar, serta file HTML sederhana untuk pengujian.

## 2.Prasyarat

### 1. Sistem Operasi:

Windows 10 atau Windows 11 (64-bit)

Versi dengan dukungan WSL 2 (Windows Subsystem for Linux 2)

### 2. Virtualisasi:

Fitur Virtualization (Intel VT-x atau AMD-V) diaktifkan di BIOS

### 3. Akun Administrator:

Anda harus bisa menjalankan PowerShell atau CMD sebagai Administrator

## 3.Langkah-Langkah Pengerjaan

### 3.1 Instalasi Docker

- Unduh Docker Desktop dari situs resmi • Jalankan installer dan ikuti proses instalasi
- Verifikasi instalasi dengan perintah :

```

$ docker version
Client:
Version:      28.1.1
API version:  1.49
Go version:   go1.23.8
Git commit:   4eba377
Built:        Fri Apr 18 09:53:24 2025
OS/Arch:     windows/amd64
Context:      desktop-linux

Server: Docker Desktop 4.41.2 (191736)
Engine:
Version:      28.1.1
API version:  1.49 (minimum version 1.24)
Go version:   go1.23.8
Git commit:   01fa42b
Built:        Fri Apr 18 09:52:57 2025
OS/Arch:     linux/amd64
Experimental: false
Containerd:
Version:      1.7.27
GitCommit:    08044ecc0a9a75232cad458027ca83437aae3f4da

runc:
Version:      1.2.5
GitCommit:    v1.2.5-0-g59923ef
docker-init:
Version:      0.19.0
GitCommit:    de40ad0

```

### 3.2 Pembuatan Dockerfile

- Buat folder project ,lalu buat file Dockerfile dengan isi

```

# Dockerfile - Notepad
File Edit Format View Help
FROM nginx:latest

COPY conf/nginx.conf /etc/nginx/nginx.conf

COPY html /usr/share/nginx/html

EXPOSE 80
CMD ["nginx", "-g", "daemon off;"]

```

### 3.3 Menambahkan Konten Html

- Buat file index.html di folder yang sama dengan Dockerfile.

```
index.html X
C: > april-sarasatya > html > index.html
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Server Nginx April</title>
5  </head>
6  <body>
7      <h1>Selamat datang di server Nginx milik April</h1>
8  </body>
9  </html>
```

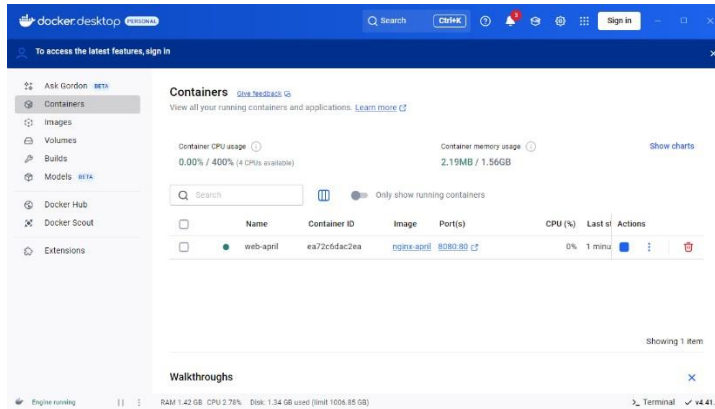
### 3.4 Build dan jalankan Container

- Jalankan perintah berikut untuk build image :

[illegible]

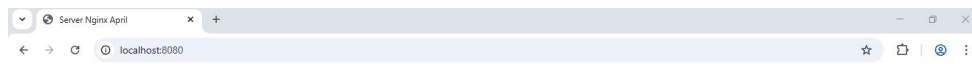
- Jalankan container :

```
C:\april-sarasatya\docker>docker run -d -p 8080:80 --name web-april nginx-april
ea72c6dac2ea6af449c071ceecc02fdd44381ffcb419c63815beca7ab86257a2
```



## 3.5 Pengujian

- Akses halaman melalui browser ketik :



**Selamat datang di server Nginx milik April!**

Verifikasi  
bahwa halaman tampil dengan benar

## 3.6 pengumpulan Github /Gitlab

- Membuat repositori



Create your first project  
Ready to start building  
for a new idea or bring  
repository to keep con

Create repository

- Atur bagian repositorinya

Owner \* Repository name \*

aprilianaaura03 / nginx-static-april

nginx-static-april is available.

Great repository names are short and memorable. Need inspiration? How about upgraded-robot?

Description (optional)

Nama : Aprilia Naura Vanessa Sekolah : SMKNGMALANG Jurusan : Sija

☒ Public  
Anyone on the internet can see this repository. You choose who can commit.

☐ Private  
You choose who can see and commit to this repository.

Initialize this repository with:

☐ Add a README file  
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

.gitignore template: None

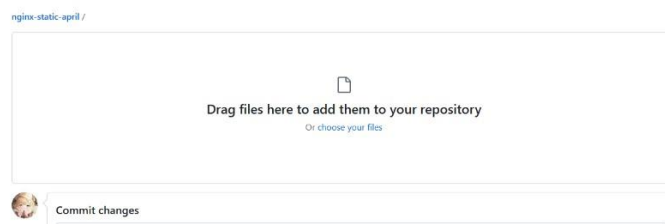
Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license

License: None

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

- Klik upload an existing file lalu upload file yang ingin di upload



- Undang kolaboratornya : ngertos@gmail.com ke repository