

**Sistem Terdistribusi**

**Praktikum Docker**



Oleh :

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ILMU KOMPUTER

TEKNIK INFORMATIKA

TEKNIK DAN KEJURUAN

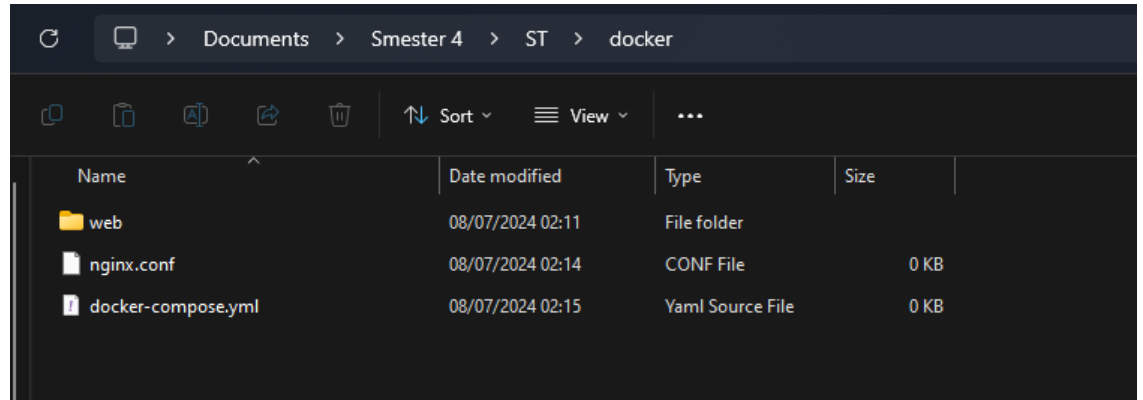
UNIVERSITAS PENDIDIKAN GANESHA

SINGARAJA

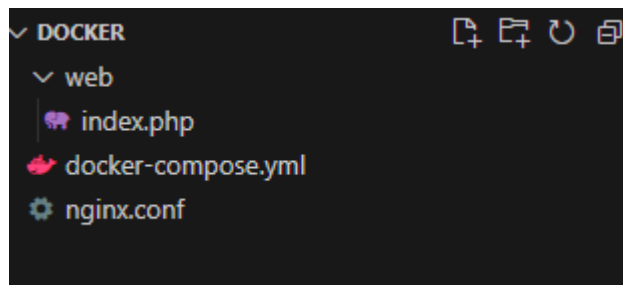
2024

## Langkah – Langkah

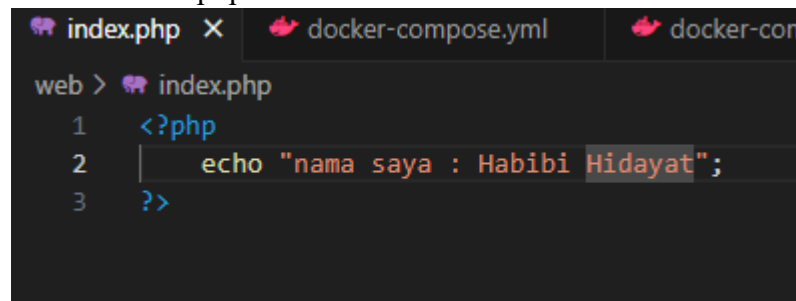
1. Dowload dokcer di link <https://www.docker.com/products/docker-desktop/>
2. Setelah itu install dokcer
3. Buat folder



4. Lalu buka vs code, lalu buka folder yang di buat tadi lalu buat file seperti gambar di bawah



5. Code di index.php



## 6. Code di docker-compose.yml

```
index.php  docker-compose.yml  docker-compose.yml (in file) → docker-compose.yml (in Visu

docker-compose.yml
1  version: '3.4'
2  services:
3    webserver:
4      image: nginx
5      ports:
6        - 83:80
7      volumes:
8        - ./nginx.conf:/etc/nginx/nginx.conf
9        - ./web:/var/www/html
10     depends_on:
11       - php
12  php:
13    image: php:8.2-fpm
14    volumes:
15      - ./web:/var/www/html
```

## 7. Codingan di nginx.conf

```
File Edit Selection View Go Run ...  docker
EXPLORER  index.php  docker-compose.yml  nginx.conf
  DOCKER
  web
  index.php
  docker-compose.yml
  nginx.conf
  nginx.conf
1  user nginx;
2  worker_processes auto;
3  error_log /var/log/nginx/error.log;
4  pid /run/nginx.pid;
5
6  events {
7    worker_connections 1024;
8  }
9
10 http {
11   include /etc/nginx/mime.types;
12   default_type application/octet-stream;
13   access_log /var/log/nginx/access.log;
14   sendfile on;
15   keepalive_timeout 65;
16
17   server {
18     listen 80;
19     server_name localhost;
20
21     root /var/www/html;
22     index index.php index.html;
23
24     location / {
25       try_files $uri $uri/ =404;
26     }
27
28     location ~ \.php$ {
29       fastcgi_pass php:9000;
30       fastcgi_index index.php;
31     }
32   }
33 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Container docker-docker-1 Started

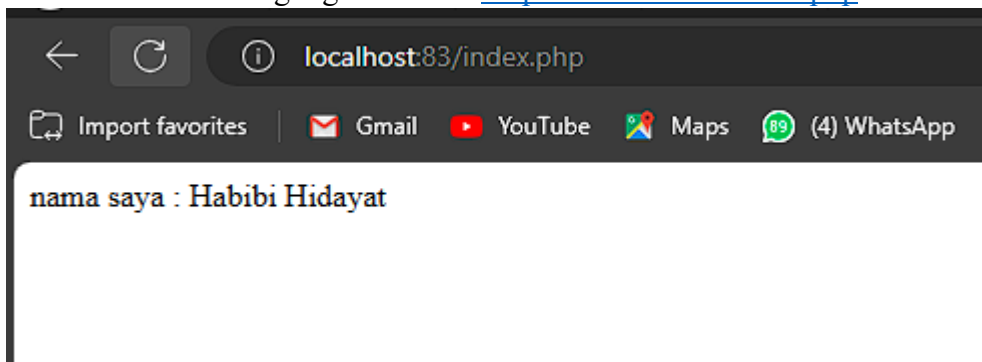
PS C:\Users\habib\OneDrive\Documents\Nestor\_4\57\docker>

Ln 35, Col 2 Spaces: 4 UTF-8 CRLF Properties 08/07/2024 02:25

8. Lalu kita cek di new terminal ketik docker-compose up -d

```
PS C:\Users\habib\OneDrive\Documents\Semester 4\ST\docker> docker-compose up -d
time="2024-07-08T02:49:13+08:00" level=warning msg="C:\\Users\\habib\\OneDrive\\Documents\\Semester 4\\ST\\docker\\docker-compose.yml: 'version' is obsolete"
[+] Running 18/2
  ✓ webserver Pulled                                48.3s
  ✓ php Pulled                                       49.2s
time="2024-07-08T02:50:02+08:00" level=warning msg="Found orphan containers ([docker-docker-1]) for this project. If you removed or renamed this service in your compose file, you can run this command with the --remove-orphans flag to clean it up."
[+] Running 2/2
  ✓ Container docker-php-1      Started          1.0s
  ✓ Container docker-webserver-1 Started          1.1s
PS C:\Users\habib\OneDrive\Documents\Semester 4\ST\docker> 
```

9. Lalu buka chrome atau google lalu cari [Http://localhost:83/index.php](http://localhost:83/index.php)



10. Untuk menutup docker klik docker-compose down di terminal