

Sistem Terdistribusi

Praktikum Docker



Oleh :

Nama : Chalvin Cahya Maulana

Nim : 2215101065

Kelas : 4B

ILMU KOMPUTER

TEKNIK INFORMATIKA

TEKNIK DAN KEJURUAN

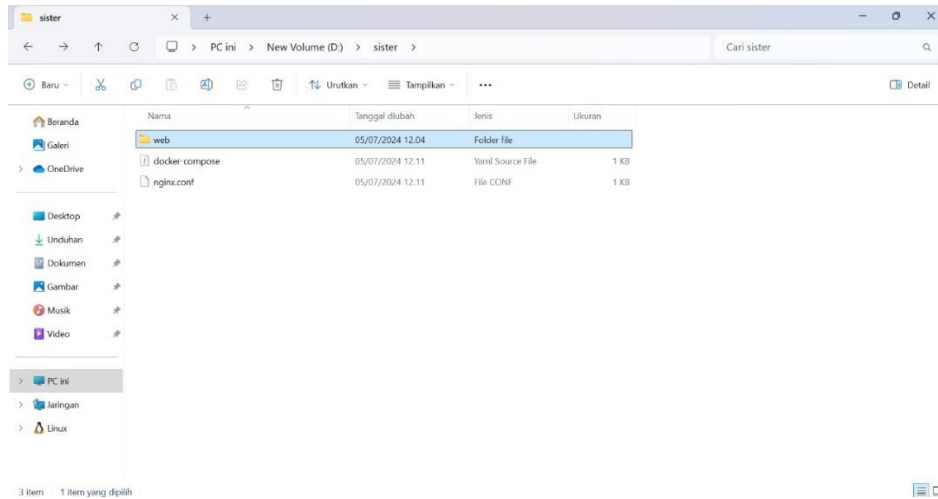
UNIVERSITAS PENDIDIKAN GANESHA

SINGARAJA

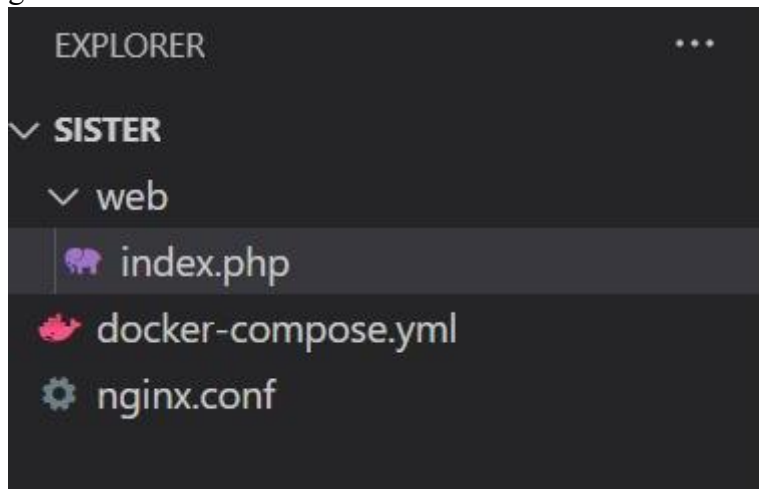
2024

Langkah – Langkah

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



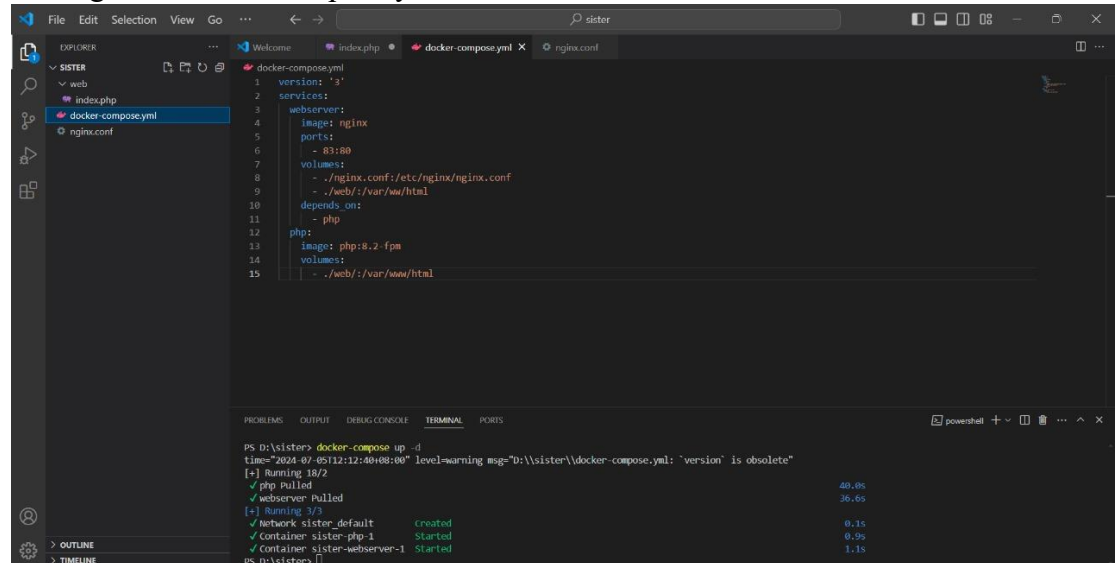
4. Lalu buka vs code, lalu buka folder yang di buat tadi lalu buat file seperti gambar di bawah



5. Codingan di php.php



6. Codigan di docker-compose.yml

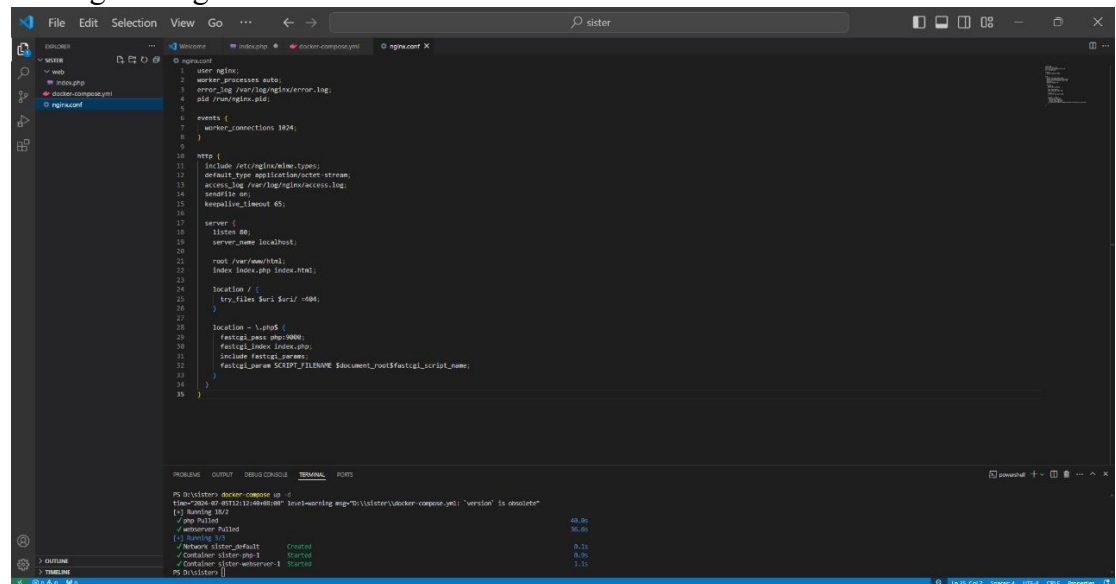


The screenshot shows the Visual Studio Code editor with the `docker-compose.yml` file open. The file defines a service named `webserver` using the `nginx` image, mapping port `83` to `80`. It also defines a `php` service using the `php:8.2-fpm` image. The terminal output shows the command `docker-compose up -d` being executed, with a warning about the 'version' field being obsolete. The output indicates that the `php` and `webserver` images were pulled, and the containers `sister-php-1` and `sister-webserver-1` were successfully started.

```
1 version: '3'
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
```

```
PS D:\sister> docker-compose up -d
time="2024-07-05T12:12:40+08:00" level=warning msg="D:\sister\docker-compose.yml: 'version' is obsolete"
[+] Running 18/2
 ✓ php Pulled                                40.0s
 ✓ webserver Pulled                          36.6s
[+] Running 3/3
 ✓ Network sister_default                    Created      0.1s
 ✓ Container sister-php-1                    Started       0.9s
 ✓ Container sister-webserver-1              Started       1.1s
PS D:\sister>
```

7. Codigan di nginx.conf

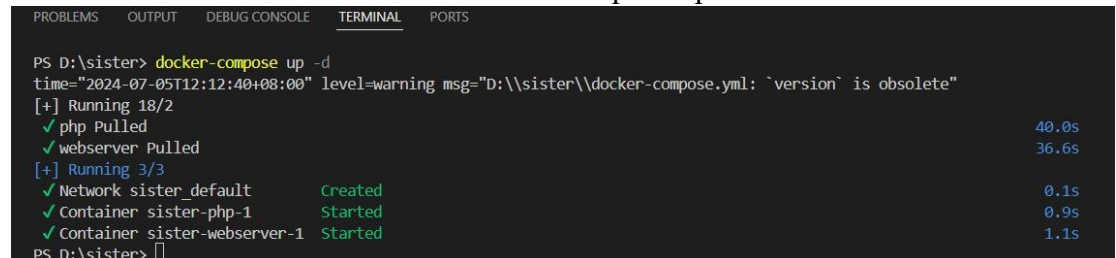


The screenshot shows the Visual Studio Code editor with the `nginx.conf` file open. The configuration includes the `user`, `worker_processes`, `error_log`, and `pid` settings. It also defines the `events` block with `worker_connections` and the `http` block with `include`, `default_type`, `access_log`, `sendfile`, and `keepalive_timeout` settings. The `server` block is configured with `listen 80`, `server_name localhost`, `root`, `index`, and `location` blocks. The terminal output is the same as in the previous screenshot, showing the successful execution of `docker-compose up -d`.

```
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_limit 10m;
31       include fastcgi.conf;
32       fastcgi_pass SCRIPT_FILENAME $document_root$fastcgi_script_name;
33     }
34   }
35 }
```

```
PS D:\sister> docker-compose up -d
time="2024-07-05T12:12:40+08:00" level=warning msg="D:\sister\docker-compose.yml: 'version' is obsolete"
[+] Running 18/2
 ✓ php Pulled                                40.0s
 ✓ webserver Pulled                          36.6s
[+] Running 3/3
 ✓ Network sister_default                    Created      0.1s
 ✓ Container sister-php-1                    Started       0.9s
 ✓ Container sister-webserver-1              Started       1.1s
PS D:\sister>
```

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



The screenshot shows a new terminal window with the command `docker-compose up -d` being executed. The output is the same as in the previous screenshots, showing the successful execution of the command and the starting of the containers.

```
PS D:\sister> docker-compose up -d
time="2024-07-05T12:12:40+08:00" level=warning msg="D:\sister\docker-compose.yml: 'version' is obsolete"
[+] Running 18/2
 ✓ php Pulled                                40.0s
 ✓ webserver Pulled                          36.6s
[+] Running 3/3
 ✓ Network sister_default                    Created      0.1s
 ✓ Container sister-php-1                    Started       0.9s
 ✓ Container sister-webserver-1              Started       1.1s
PS D:\sister>
```

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