

## **Sistem Terdistribusi**

### **Praktikum Docker**



Oleh :

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ILMU KOMPUTER

TEKNIK INFORMATIKA

TEKNIK DAN KEJURUAN

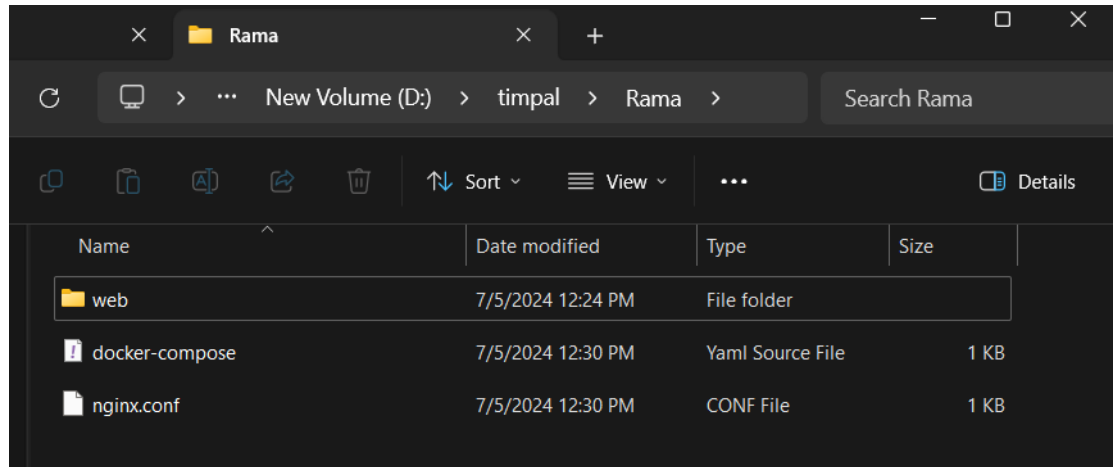
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SINGARAJA

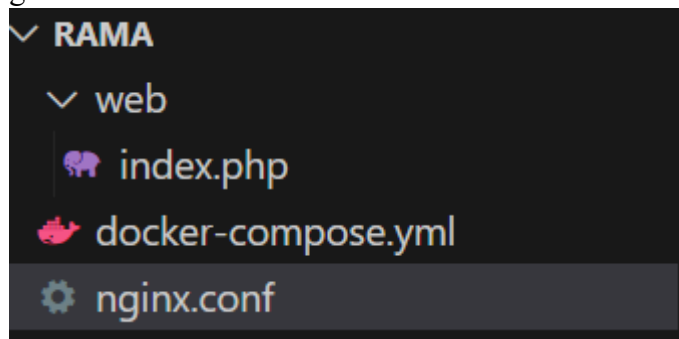
2024

## Langkah – Langkah

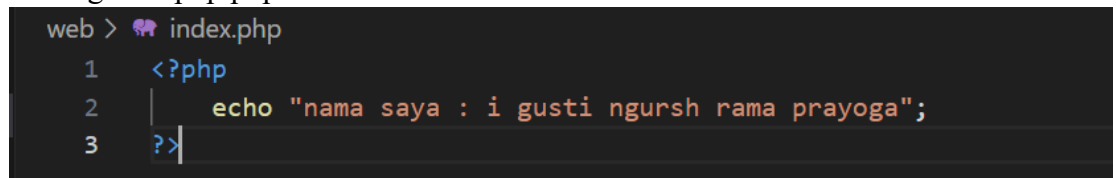
1. Dowload dokcer di link <https://www.docker.com/products/docker-desktop/>
2. Setelah itu install dokcer
3. Buat folder



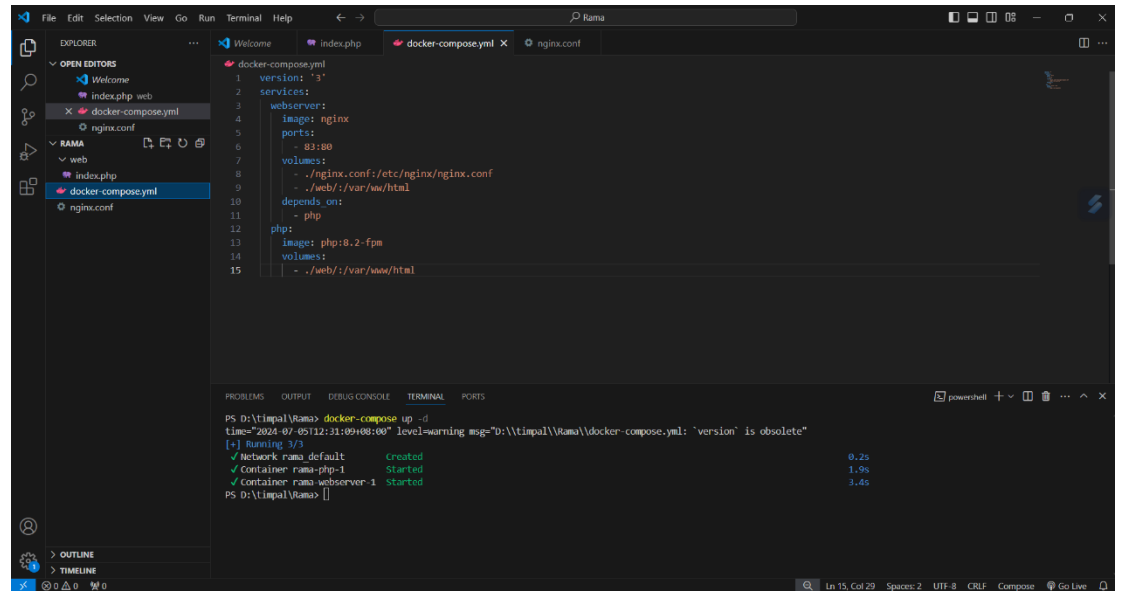
4. Lalu buka vs code, lalu buka folder yang di buat tadi lalu buat file seperti gambar di bawah



5. Codingan di php.php



6. Codingan di docker-compose.yml



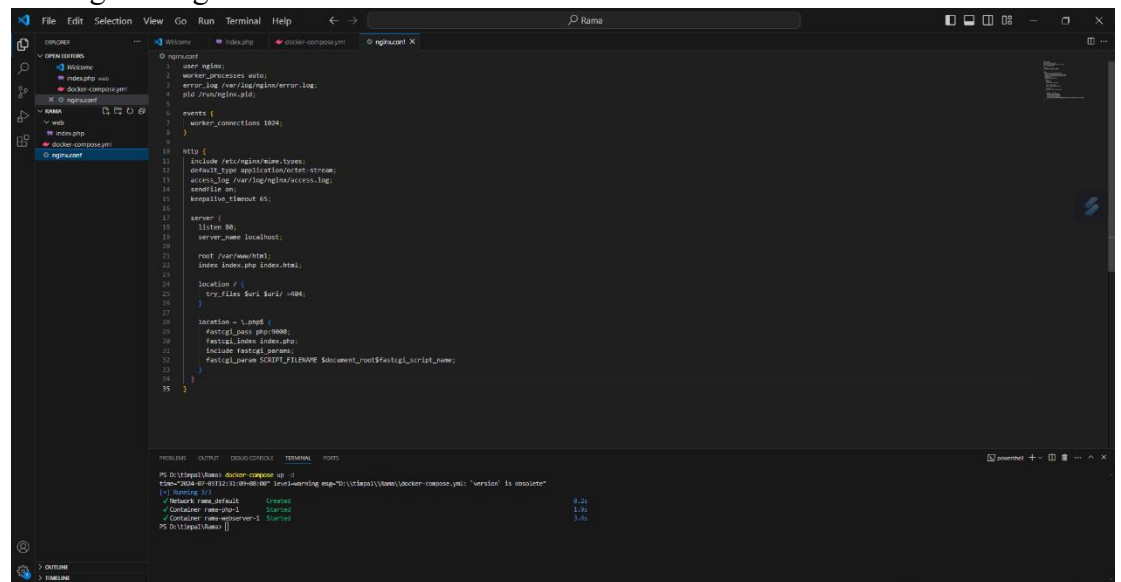
The screenshot shows the VS Code interface with the `docker-compose.yml` file open in the editor. The file contains the following configuration:

```
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
```

The terminal window at the bottom shows the output of the `docker-compose up -d` command:

```
PS D:\timpal\rama> docker-compose up -d
time="2024-07-05T12:31:09+08:00" level=warning msg="D:\timpal\rama\docker-compose.yml: 'version' is obsolete"
[+] Running 3/3
✔ Network rama_default Created 0.2s
✔ Container rama_php-1 Started 1.9s
✔ Container rama_webserver-1 Started 3.4s
PS D:\timpal\rama>
```

## 7. Codigan di nginx.conf

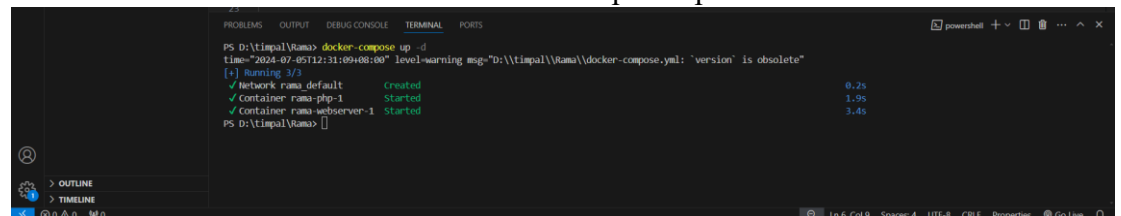


The screenshot shows the VS Code interface with the `nginx.conf` file open in the editor. The file contains the following configuration:

```
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       include fastcgi_params;
32       fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
33     }
34   }
35 }
```

The terminal window at the bottom shows the output of the `docker-compose up -d` command, which is identical to the one in the previous screenshot.

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



The screenshot shows a new terminal window in VS Code with the `docker-compose up -d` command entered. The output is identical to the previous terminal window:

```
PS D:\timpal\rama> docker-compose up -d
time="2024-07-05T12:31:09+08:00" level=warning msg="D:\timpal\rama\docker-compose.yml: 'version' is obsolete"
[+] Running 3/3
✔ Network rama_default Created 0.2s
✔ Container rama_php-1 Started 1.9s
✔ Container rama_webserver-1 Started 3.4s
PS D:\timpal\rama>
```

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



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