

# **MEMBUAT APLIKASI TO-DO LIST DENGAN BERBASIS DOCKER**

## **LAPORAN MINGGU KE-12**

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Disusun Untuk Memenuhi Tugas Proyek

Mata Kuliah Sistem Operasi



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**PROGRAM STUDI TEKNIK INFORMATIKA**

**FAKULTAS TEKNIK DAN TEKNOLOGI KEMARITIMAN**

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## **1. AKTIVITAS YANG DILAKUKAN**

### **1.1 Instalasi Docker Desktop**

- Docker Desktop versi 29.0.1 berhasil diinstall
- Docker Compose versi v2.40.3 siap digunakan

### **1.2 Verifikasi Instalasi**

- Test docker run hello-world berhasil
- Semua komponen docker berfungsi

### **1.3 Persiapan Environment**

- Membuat struktur folder proyek
- Folder yang dibuat yakni ‘todo-app/’ dan ‘stats-app/’ sudah berhasil

## **2. HASIL YANG DICAPAI**

### **2.1 Docker Environment Siap**

- Docker Engine running
- Docker Compose installed
- Docker Hub access working

### **2.2 Project Structure Siap**

- Folder structure created
- Ready for development

## **3. BUKTI IMPLEMENTASI**

- Gambar 1 : Docker versi 29.0.1 terinstall dengan sukses

```
PS C:\Users\MSI Thin> docker --version
Docker version 29.0.1, build eedd969
```

- Gambar 2 : Docker Compose v2.40.3 siap digunakan

```
PS C:\Users\MSI Thin> docker-compose --version
Docker Compose version v2.40.3-desktop.1
```

➤ Gambar 3 : Container Hello-World Test berjalan dengan sukses

```
PS C:\Users\MSI Thin> docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
17eec7bbc9d7: Pull complete
Digest: sha256:f7931603f70e13dbd844253370742c4fc4202d290c80442b2e68706d8f33c
e26
Status: Downloaded newer image for hello-world:latest

Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
1. The Docker client contacted the Docker daemon.
2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
   (amd64)
3. The Docker daemon created a new container from that image which runs the
   executable that produces the output you are currently reading.
4. The Docker daemon streamed that output to the Docker client, which sent
it
   to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/
```

➤ Gambar 4 : Struktur folder project sudah disiapkan

```
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