

# LAPORAN PRAKTIKUM

SESI #3

Keamanan Sistem Informasi



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PROGRAM STUDI MANAJEMEN INFORMATIKA  
JURUSAN TEKNOLOGI INFORMASI  
POLITEKNIK NEGERI LAMPUNG

Minggu ke : 3 (Tiga)  
Unit Kompetensi : Keamanan Sistem Informasi  
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Tempat : Lab Smart Food Security 3.8

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### Menampilkan Hello World di Docker

```
[root@DESKTOP-0J78AT9:~/home/cindy] cindy@DESKTOP-0J78AT9:~$ sudo su [sudo] password for cindy: Sorry, try again.
```

```
[root@DESKTOP-0J78AT9:~/home/cindy] cindy@DESKTOP-0J78AT9:~$ sudo su [sudo] password for cindy: Sorry, try again. [sudo] password for cindy: root@DESKTOP-0J78AT9:/home/cindy# docker run hello-world Unable to find image 'hello-world:latest' locally latest: Pulling from library/hello-world 17eec7bbc9d7: Pull complete Digest: sha256:54e66cc1dd1fcbb1c3c58bd8017914dbed8701e2d8c74d9262e26bd9cc1642d31 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.

Menampilkan Hello World di Docker

Langkah 1: Cek versi Docker

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/>

```
root@DESKTOP-0J78AT9:/home/cindy# docker --version Docker version 28.4.0, build d8eb465 root@DESKTOP-0J78AT9:/home/cindy# docker pull hello-world Using default tag: latest latest: Pulling from library/hello-world Digest: sha256:54e66cc1dd1fcbb1c3c58bd8017914dbed8701e2d8c74d9262e26bd9cc1642d31 Status: Image is up to date for hello-world:latest docker.io/library/hello-world:latest root@DESKTOP-0J78AT9:/home/cindy# docker run hello-world Hello from Docker!
```

English (United States)

```
root@DESKTOP-0J78AT9:/home/cindy
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.
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For more examples and ideas, visit:
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root@DESKTOP-0J78AT9:/home/cindy# docker run alpine echo "Hello World"
Unable to find image 'alpine:latest' locally
latest: Pulling from library/alpine
9824c27679d3: Pull complete
Digest: sha256:4bcff63911fcba4448bd4fdacec207030997caf25e9bea4045fa6c8c44de311d1
Status: Downloaded newer image for alpine:latest
Hello World
root@DESKTOP-0J78AT9:/home/cindy#
```

## Menampilkan Hasil Hello World

```
root@DESKTOP-0J78AT9:/home/cindy# docker run alpine echo "Hello World"
Unable to find image 'alpine:latest' locally
latest: Pulling from library/alpine
9824c27679d3: Pull complete
Digest: sha256:4bcff63911fcba4448bd4fdacec207030997caf25e9bea4045fa6c8c44de311d1
Status: Downloaded newer image for alpine:latest
Hello World
root@DESKTOP-0J78AT9:/home/cindy#
```

The screenshot shows the Docker Desktop application window. On the left, a sidebar menu includes 'Containers' (selected), 'Images', 'Volumes', 'Builds', 'Docker Hub', 'Docker Scout', and 'Extensions'. The main area is titled 'Containers' with a 'Give feedback' link. It displays 'Container CPU usage' and 'Container memory usage' both showing 'No containers are running.' Below this is a search bar and a checkbox for 'Only show running containers'. A table lists three containers:

	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	amazing_davinc	d9e584ba7d6e	alpine		N/A	22 minutes ago	<a href="#">▶</a> <a href="#">⋮</a> <a href="#">🗑</a>
<input type="checkbox"/>	magical_ardingh	e35390d9e89c	hello-world		N/A	24 minutes ago	<a href="#">▶</a> <a href="#">⋮</a> <a href="#">🗑</a>
<input type="checkbox"/>	tender_shtern	833d61b52d72	hello-world		N/A	28 minutes ago	<a href="#">▶</a> <a href="#">⋮</a> <a href="#">🗑</a>

Below the table is a 'Walkthroughs' section with two cards: 'Multi-container applications' (8 mins) and 'Containerize your application' (\$ docker init 3 mins). At the bottom, status bars show 'Engine running', system resources (RAM 0.96 GB, CPU 0.50%), and a terminal tab.

Melihat daftar image yang sudah ada:

```
hello-world
root@DESKTOP-0J78AT9:/home/cindy# docker images
REPOSITORY      TAG          IMAGE ID      CREATED        SIZE
hello-world     latest       54e66cc1dd1f    5 weeks ago   20.3kB
alpine          latest       4bcff63911fc    2 months ago  12.8MB
root@DESKTOP-0J78AT9:/home/cindy#
```

Melihat Daftar container yang pernah dibuat:

```
root@DESKTOP-0J78AT9:/home/cindy# docker ps -a
CONTAINER ID   IMAGE      COMMAND           CREATED        STATUS    PORTS     NAMES
d9e584ba7d6e   alpine     "echo 'Hello World'"  26 minutes ago  Exited (0) 26 minutes ago
e35390d9e89c   hello-world  "/hello"
833d61b52d72   hello-world  "/hello"
root@DESKTOP-0J78AT9:/home/cindy#
```