

**LAPORAN PRAKTIKUM
ARSITEKTUR DAN ORGANISASI
KOMPUTER**



Disusun Oleh :

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I. JUDUL PRAKTIKUM

Mengoperasikan Web Server Apache2 Ubuntu Via Virtual Box

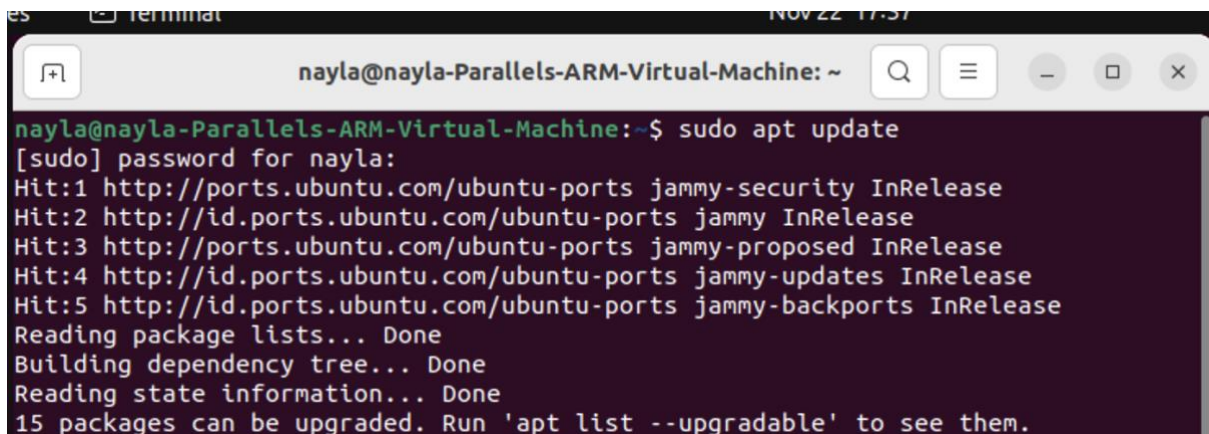
II. TUJUAN PRAKTIKUM

1. Mempelajari Cara Meremote Server Dengan Putty
2. Dapat Mengoperasikan Webserver Apache2 Ubuntu Dengan Virtual Box

III. ALAT

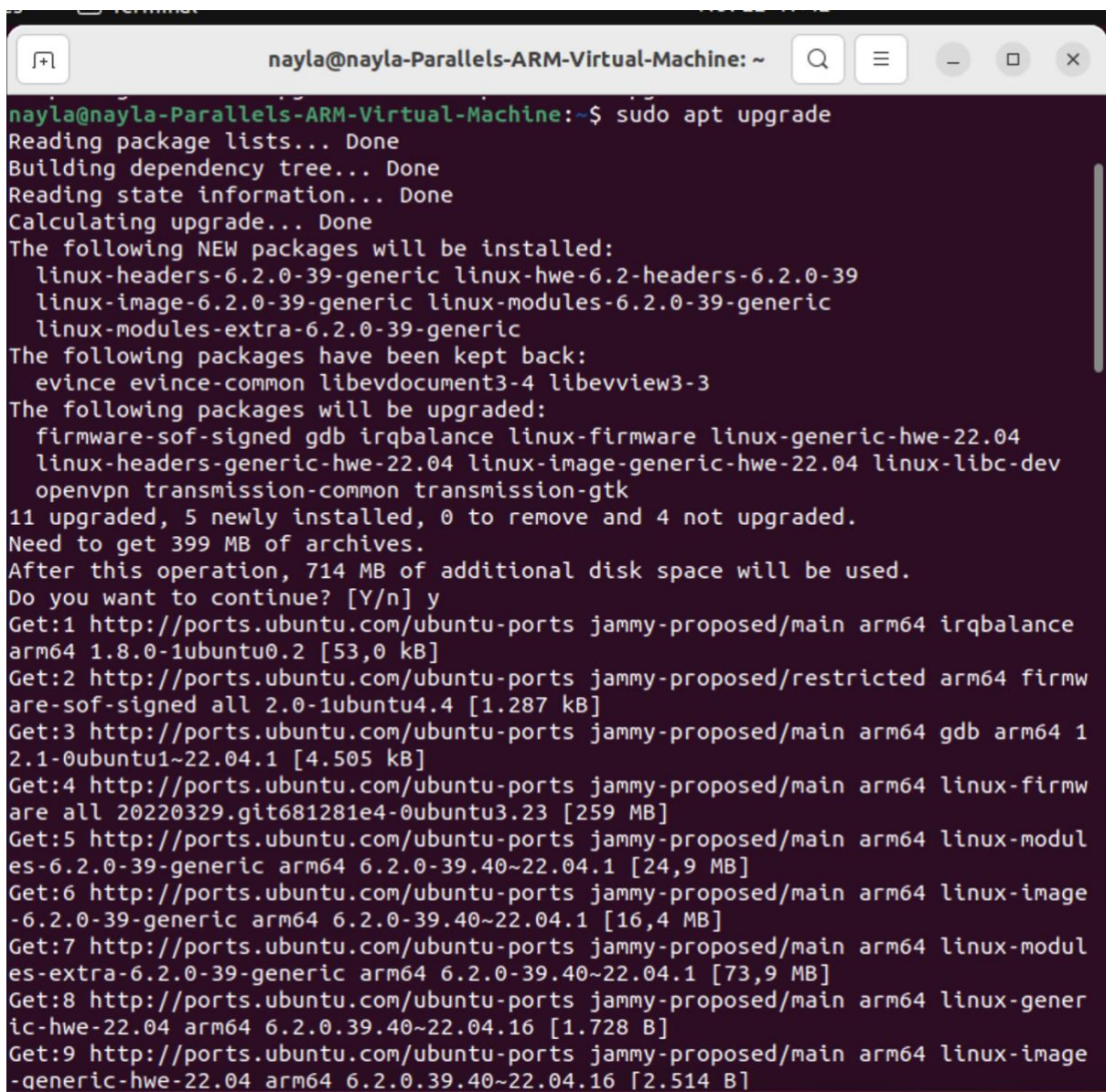
1. Virtual Box
2. Putty
3. Akses Internet

Langkah Langkah untuk install openssh-server



```
nayla@nayla-Parallels-ARM-Virtual-Machine: ~  
nayla@nayla-Parallels-ARM-Virtual-Machine:~$ sudo apt update  
[sudo] password for nayla:  
Hit:1 http://ports.ubuntu.com/ubuntu-ports jammy-security InRelease  
Hit:2 http://id.ports.ubuntu.com/ubuntu-ports jammy InRelease  
Hit:3 http://ports.ubuntu.com/ubuntu-ports jammy-proposed InRelease  
Hit:4 http://id.ports.ubuntu.com/ubuntu-ports jammy-updates InRelease  
Hit:5 http://id.ports.ubuntu.com/ubuntu-ports jammy-backports InRelease  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
15 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

Ketik “sudo apt update untuk memperbarui os dan system



```
nayla@nayla-Parallels-ARM-Virtual-Machine: ~  
nayla@nayla-Parallels-ARM-Virtual-Machine:~$ sudo apt upgrade  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
Calculating upgrade... Done  
The following NEW packages will be installed:  
  linux-headers-6.2.0-39-generic linux-hwe-6.2-headers-6.2.0-39  
  linux-image-6.2.0-39-generic linux-modules-6.2.0-39-generic  
  linux-modules-extra-6.2.0-39-generic  
The following packages have been kept back:  
  evince evince-common libevdocument3-4 libevview3-3  
The following packages will be upgraded:  
  firmware-sof-signed gdb irqbalance linux-firmware linux-generic-hwe-22.04  
  linux-headers-generic-hwe-22.04 linux-image-generic-hwe-22.04 linux-libc-dev  
  openvpn transmission-common transmission-gtk  
11 upgraded, 5 newly installed, 0 to remove and 4 not upgraded.  
Need to get 399 MB of archives.  
After this operation, 714 MB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://ports.ubuntu.com/ubuntu-ports jammy-proposed/main arm64 irqbalance  
arm64 1.8.0-1ubuntu0.2 [53,0 kB]  
Get:2 http://ports.ubuntu.com/ubuntu-ports jammy-proposed/restricted arm64 firmw  
are-sof-signed all 2.0-1ubuntu4.4 [1.287 kB]  
Get:3 http://ports.ubuntu.com/ubuntu-ports jammy-proposed/main arm64 gdb arm64 1  
2.1-0ubuntu1~22.04.1 [4.505 kB]  
Get:4 http://ports.ubuntu.com/ubuntu-ports jammy-proposed/main arm64 linux-firmw  
are all 20220329.git681281e4-0ubuntu3.23 [259 MB]  
Get:5 http://ports.ubuntu.com/ubuntu-ports jammy-proposed/main arm64 linux-modul  
es-6.2.0-39-generic arm64 6.2.0-39.40~22.04.1 [24,9 MB]  
Get:6 http://ports.ubuntu.com/ubuntu-ports jammy-proposed/main arm64 linux-image  
-6.2.0-39-generic arm64 6.2.0-39.40~22.04.1 [16,4 MB]  
Get:7 http://ports.ubuntu.com/ubuntu-ports jammy-proposed/main arm64 linux-modul  
es-extra-6.2.0-39-generic arm64 6.2.0-39.40~22.04.1 [73,9 MB]  
Get:8 http://ports.ubuntu.com/ubuntu-ports jammy-proposed/main arm64 linux-gener  
ic-hwe-22.04 arm64 6.2.0.39.40~22.04.16 [1.728 B]  
Get:9 http://ports.ubuntu.com/ubuntu-ports jammy-proposed/main arm64 linux-image  
-generic-hwe-22.04 arm64 6.2.0.39.40~22.04.16 [2.514 B]
```


Lalu sudo apt upgrade untuk diperbarui

```
done
nayla@nayla-Parallels-ARM-Virtual-Machine:~$ sudo apt-get install openssh-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openssh-server is already the newest version (1:8.9p1-3ubuntu0.4).
openssh-server set to manually installed.
The following packages were automatically installed and are no longer required:
  linux-headers-6.2.0-37-generic linux-hwe-6.2-headers-6.2.0-37
  linux-image-6.2.0-37-generic linux-modules-6.2.0-37-generic
  linux-modules-extra-6.2.0-37-generic
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 4 not upgraded.
```

Lalu ketik sudo apt get install untuk menginstal ssh

Dan SSH sudah terinstal

```
nayla@nayla-Parallels-ARM-Virtual-Machine:~$ sudo systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: en
   Active: active (running) since Tue 2023-11-14 11:29:29 WIB; 1 week 1 day ago
     Docs: man:sshd(8)
           man:sshd_config(5)
    Main PID: 28268 (sshd)
      Tasks: 1 (limit: 2226)
     Memory: 1.0M
        CPU: 13ms
    CGroup: /system.slice/ssh.service
            └─28268 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Nov 14 11:29:29 nayla-Parallels-ARM-Virtual-Machine systemd[1]: Starting OpenBS
Nov 14 11:29:29 nayla-Parallels-ARM-Virtual-Machine sshd[28268]: Server listeni
Nov 14 11:29:29 nayla-Parallels-ARM-Virtual-Machine sshd[28268]: Server listeni
Nov 14 11:29:29 nayla-Parallels-ARM-Virtual-Machine systemd[1]: Started OpenBSD
lines 1-16/16 (END)
```

Untuk virtual box, terhubung mac Os tidak bisa mengaksesnya, jadi saya beli ubuntu linux.