

**PRAKTIKUM
ARSITEKTUR DAN ORGANISASI
KOMPUTER**

“Ubuntu server, SSH”



Disusun Oleh :

Nama : Asti Ratna Shely

NIM : 09030582226027

Kelas : TK3A

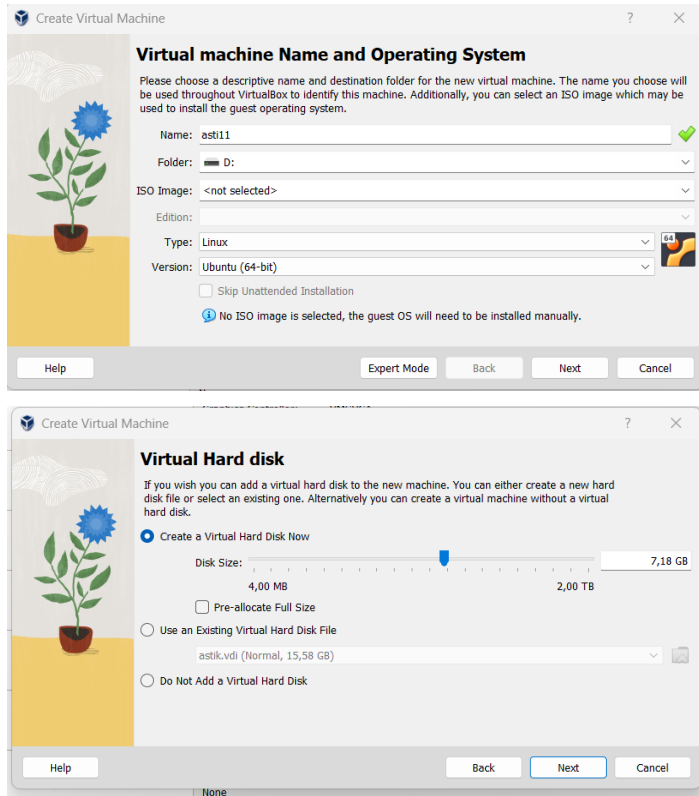
Dosen : Adi Hermansyah, S.Kom., M.T.

**LABORATORIUM PERANGKAT KERAS
FAKULTAS ILMU KOMPUTER
UNIVERSITAS SRIWIJAYA PALEMBANG**

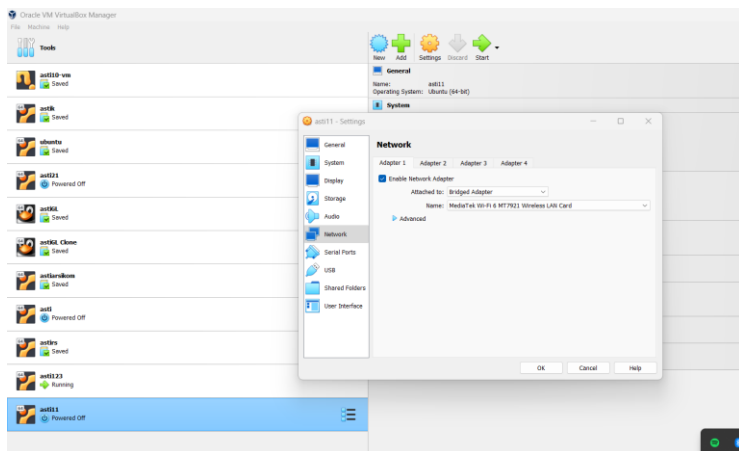
2023

MENGAKTIFKAN SSH DI UBUNTU 20.04.6

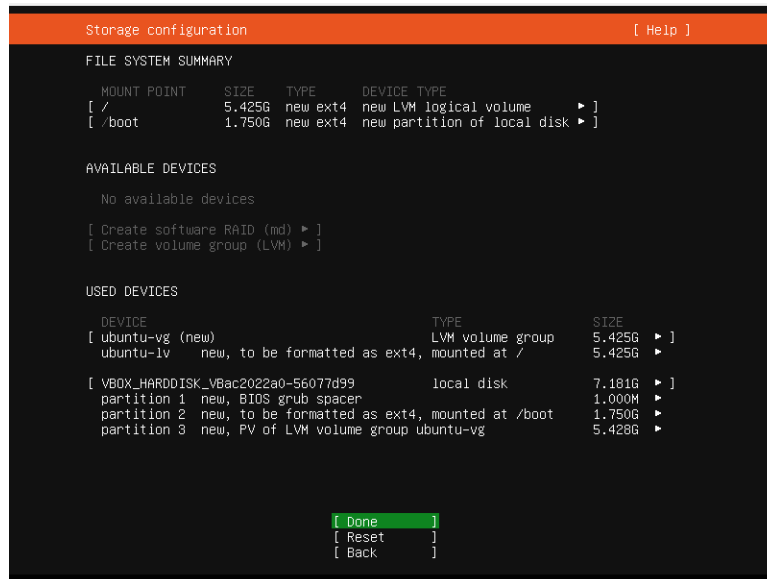
Untuk mengaktifkan ssh pertama kita harus membuat user pada virtual.box



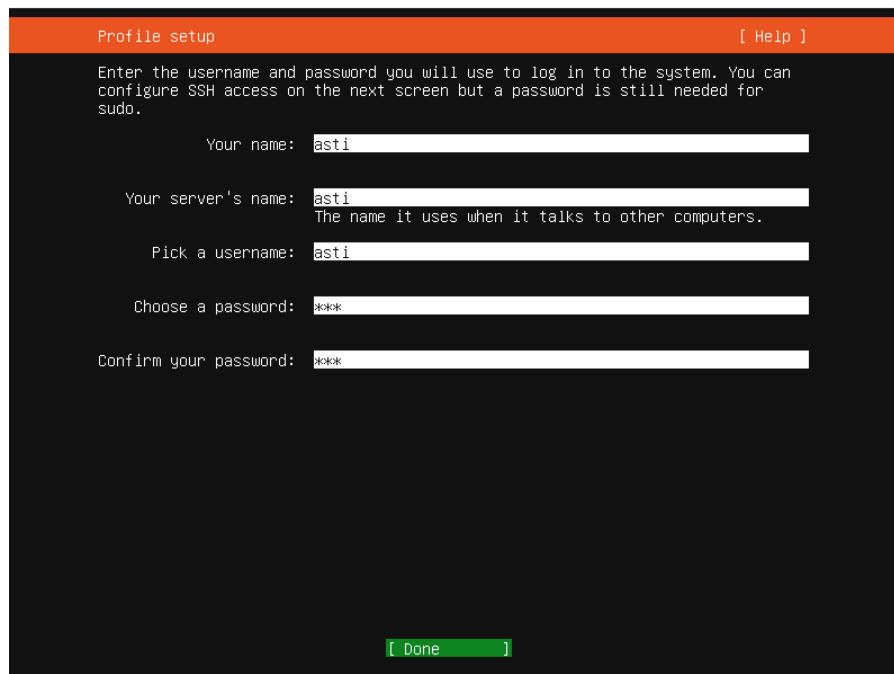
jika sudah kemudian distart



maka akan muncul seperti ini kemudian kita enter bagian done sampai selesai



lanjut untuk mengisi nama dan password untuk mengkatifkan ssh nantinya



Tahap 1 ketika sudah running, silahkan login nama user. Setelah memasukkan nama user pada "Login" lalu masukkan "Password".

```
asti@asti:~$ sudo apt install openssh-server
[sudo] password for asti:
Reading package lists... Done
Building dependency tree
Reading state information... Done
openssh-server is already the newest version (1:8.2p1-4ubuntu0.9).
0 upgraded, 0 newly installed, 0 to remove and 4 not upgraded.
asti@asti:~$
```

Ketika berhasil masuk lalu ketikkan "sudo apt update" dan harus selalu mengupdate ketika ingin menggunakan ubuntu.

```
asti@asti:~$ sudo apt update
[sudo] password for asti:
Hit:1 http://id.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://id.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Hit:3 http://id.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://id.archive.ubuntu.com/ubuntu focal-security InRelease
Fetched 114 kB in 2s (67.5 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
4 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

Selanjutnya menginstall openssh-server dengan mengetikkan "sudo apt install openssh-server".

```
asti@asti:~$ sudo apt install openssh-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
openssh-server is already the newest version (1:8.2p1-4ubuntu0.9).
0 upgraded, 0 newly installed, 0 to remove and 4 not upgraded.
```

Ketika berhasil tidak terdapat eror saat penginstallan, lalu kita dapat melihat apakah ssh berjalan dan telah active (running) dengan mengetik "sudo systemctl status ssh".

```
asti@asti:~$ sudo systemctl status ssh
• ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2023-11-15 07:36:28 UTC; 5 days ago
     Docs: man:sshd(8)
           man:sshd_config(5)
  Main PID: 61947 (sshd)
    Tasks: 1 (limit: 2274)
   Memory: 4.8M
   CGroup: /system.slice/ssh.service
           └─61947 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups

Nov 15 07:36:28 asti systemd[1]: Starting OpenBSD Secure Shell server...
Nov 15 07:36:28 asti sshd[61947]: Server listening on 0.0.0.0 port 22.
Nov 15 07:36:28 asti sshd[61947]: Server listening on :: port 22.
Nov 15 07:36:28 asti systemd[1]: Started OpenBSD Secure Shell server.
Nov 15 07:37:36 asti sshd[62398]: Accepted password for asti from 10.1.9.249 port 54635 ssh2
Nov 15 07:37:36 asti sshd[62398]: pam_unix(sshd:session): session opened for user asti by (uid=0)
Nov 20 10:02:48 asti sshd[74035]: Accepted password for asti from 172.20.10.2 port 61431 ssh2
Nov 20 10:02:48 asti sshd[74035]: pam_unix(sshd:session): session opened for user asti by (uid=0)
asti@asti:~$ _
```

Jika ingin mengecek ip kita dengan mengetik "ifconfig" atau bisa dengan "ip a".

```
asti@asti:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 172.20.10.4  netmask 255.255.255.240  broadcast 172.20.10.15
    inet6 fe80::a00:27ff:fe73:8c64  prefixlen 64  scopeid 0x20<link>
    ether 08:00:27:73:8c:64  txqueuelen 1000  (Ethernet)
    RX packets 356461  bytes 515553351 (515.5 MB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 55264  bytes 4573508 (4.5 MB)
    TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1  netmask 255.0.0.0
    inet6 ::1  prefixlen 128  scopeid 0x10<host>
    loop txqueuelen 1000  (Local Loopback)
    RX packets 2074  bytes 151016 (151.0 KB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 2074  bytes 151016 (151.0 KB)
    TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```