

M Setiawan W

123170043

Kelas C

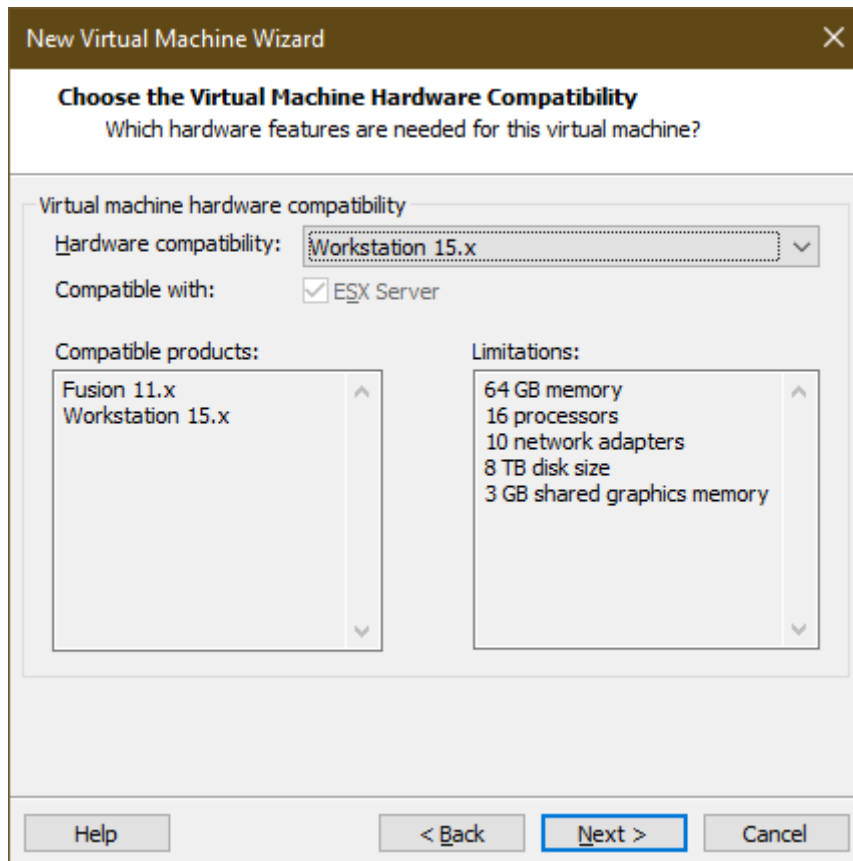
Pengenalan VMware Workstation dan Linux OS

1. Digunakan untuk virtualisasi sistem operasi
2. Berada dibawah virtual os dan diatas sistem operasi
3. Dengan memanfaatkan fitur swap ram, apabila ram kita kurang mencukupi untuk menjalankan os, kita bisa seolah olah memiliki ram tambahan
4. VMware akan menggunakan port 4433 sama seperti yang dipakai Xampp. Supaya tidak bentrok, gunakan fitur disable setting pada menu Shared VMs
5. Tahapan Instalasi OS
 - a.



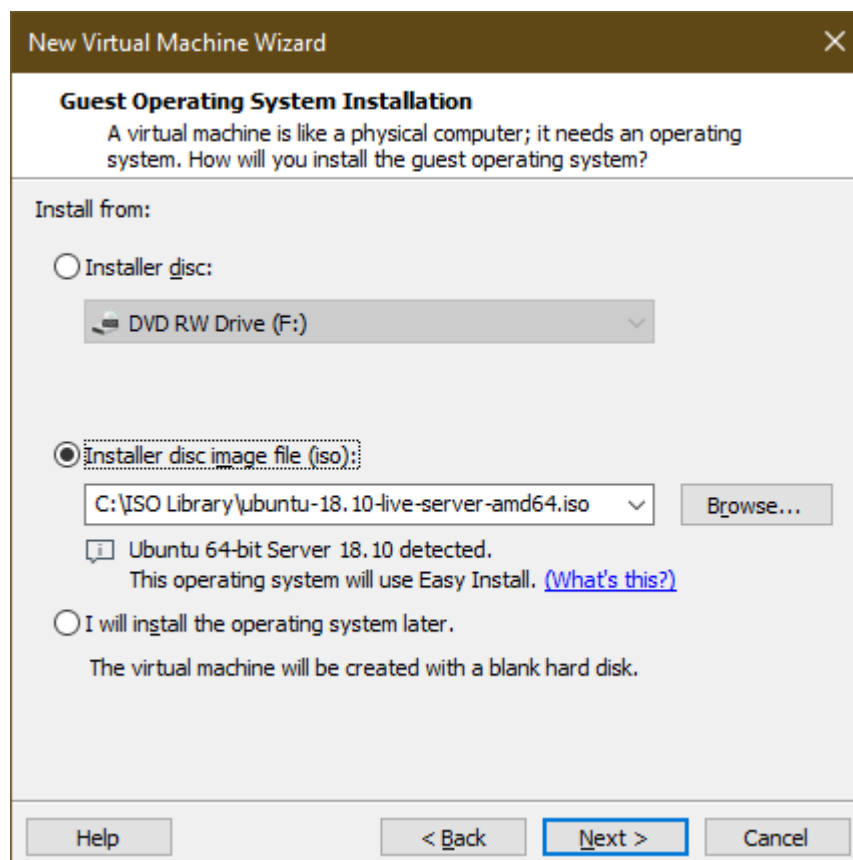
Disini kita memilih fitur yang custom terlebih dahulu.

b.



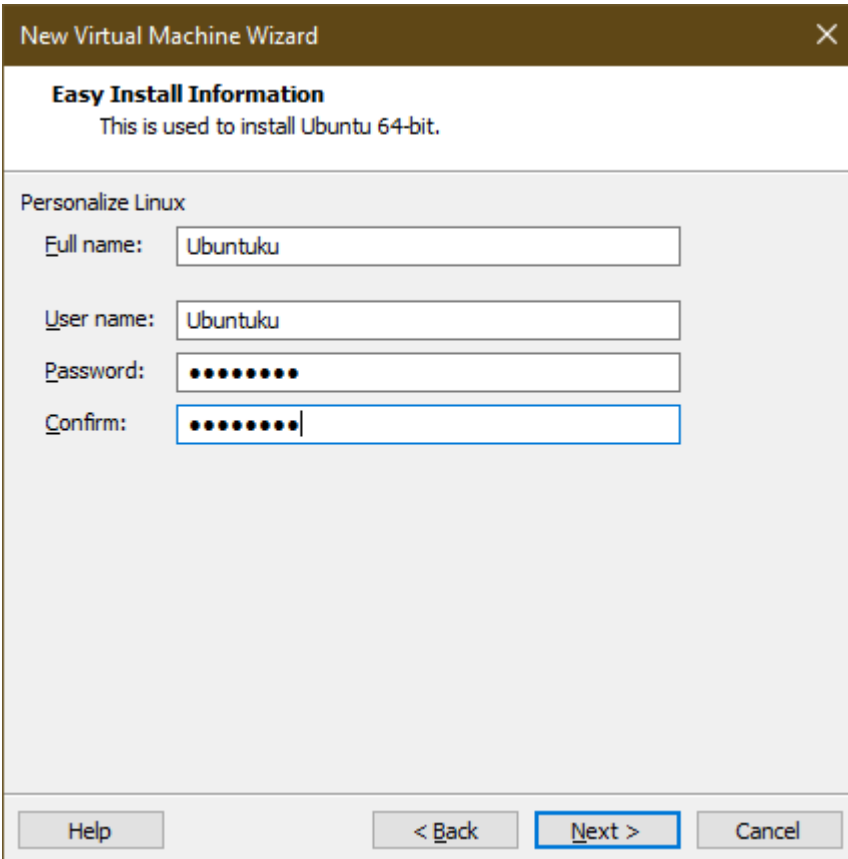
Disini kita sesuaikan hardware compability dengan os apa yang ingin kita instal, semakin lama os nya, pakai versi yang lebih lama juga

c.



Cari file iso yang ingin kita install, disini kita menggunakan ubuntu-18.10

d.



New Virtual Machine Wizard [X]

Easy Install Information
This is used to install Ubuntu 64-bit.

Personalize Linux

Full name:

User name:

Password:

Confirm:

Diisi sembarang

New Virtual Machine Wizard [X]

Name the Virtual Machine
What name would you like to use for this virtual machine?

Virtual machine name:

Location:

The default location can be changed at Edit > Preferences.

< Back Next > Cancel

e.

Pilih folder dimana kita ingin menginstal

New Virtual Machine Wizard [X]

Processor Configuration
Specify the number of processors for this virtual machine.

Processors

Number of processors: ▼

Number of cores per processor: ▼

Total processor cores: 2

Help < Back **Next >** Cancel

f.

Kemudian kita sesuaikan spesifikasinya dengan mempertimbangkan os yang ingin kita install

New Virtual Machine Wizard [X]

Memory for the Virtual Machine
How much memory would you like to use for this virtual machine?

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

64 GB
32 GB
16 GB
8 GB
4 GB
2 GB
1 GB
512 MB
256 MB
128 MB
64 MB
32 MB
16 MB
8 MB
4 MB

Memory for this virtual machine: 1024 MB

Maximum recommended memory: 2 GB

Recommended memory: 2 GB

Guest OS recommended minimum: 1 GB

Help < Back Next > Cancel

g.

Kita pilih ram yang ingin kita alokasikan

New Virtual Machine Wizard [X]

Network Type
What type of network do you want to add?

Network connection

☐ Use bridged networking
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.

☒ Use network address translation (NAT)
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.

☐ Use host-only networking
Connect the guest operating system to a private virtual network on the host computer.

☐ Do not use a network connection

Help < Back Next > Cancel

h.

Pilih opsi NAT jika ip kita tidak ingin bisa diakses oleh PC lain, jika ingin bisa diakses pc lain pilih yang bridge

New Virtual Machine Wizard

Select I/O Controller Types
Which SCSI controller type would you like to use?

I/O controller types

SCSI Controller:

☐ BusLogic (Not available for 64-bit guests)

☒ LSI Logic (Recommended)

☐ LSI Logic SAS

Help < Back Next > Cancel

i.

Pilih yang recommended

New Virtual Machine Wizard

Select a Disk Type
What kind of disk do you want to create?

Virtual disk type

☐ IDE

☒ SCSI (Recommended)

☐ SATA

☐ NVMe

Help < Back Next > Cancel

j.

Pilih yang SCSI karena kita menggunakan ubuntu 10 keluaran 2018. Semakin lama bisa memilih yang IDE.

New Virtual Machine Wizard [X]

Select a Disk
Which disk do you want to use?

Disk

☒ **Create a new virtual disk**
A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.

☐ Use an existing virtual disk
Choose this option to reuse a previously configured disk.

☐ Use a physical disk (for advanced users)
Choose this option to give the virtual machine direct access to a local hard disk. Requires administrator privileges.

Help < Back **Next >** Cancel

k.

Jika kita belum pernah membuat virtual disk, pilih opsi create

New Virtual Machine Wizard [X]

Specify Disk Capacity
How large do you want this disk to be?

Maximum disk size (GB): [up/down arrows]

Recommended size for Ubuntu 64-bit: 20 GB

☐ Allocate all disk space now.
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

☐ Store virtual disk as a single file

☒ Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

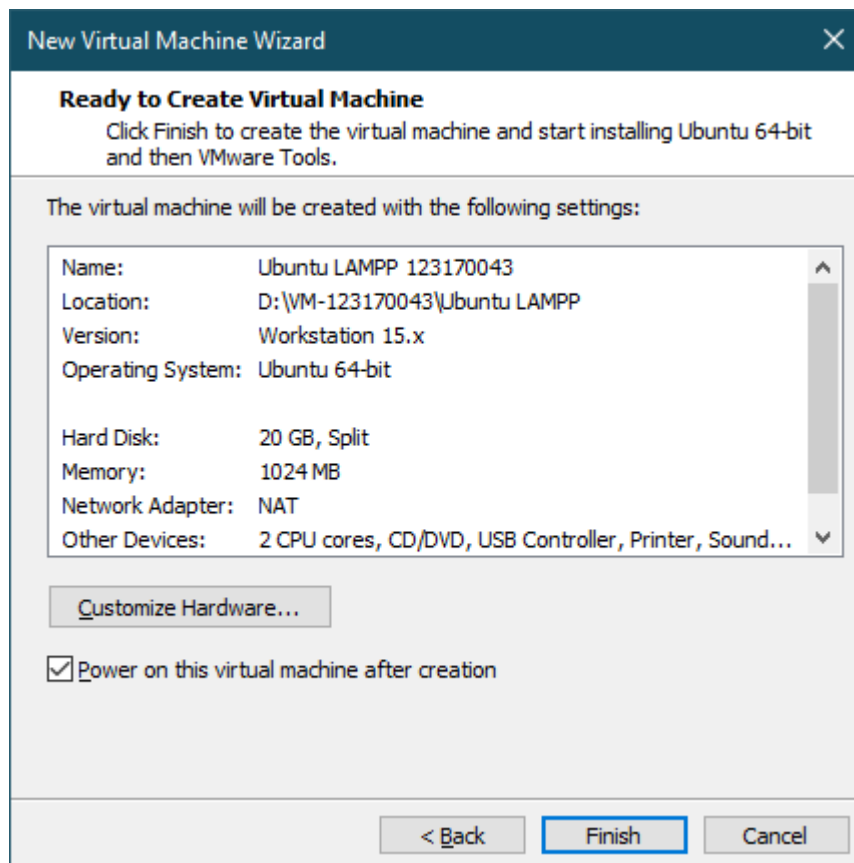
Help < Back **Next >** Cancel

l.

Kita tidak perlu menchecklist opsi allocate agar disk nya tidak langsung terbuat yang akan membebani os asli. Ukuran berkas akan naik dengan sendirinya tergantung pemakaian VM

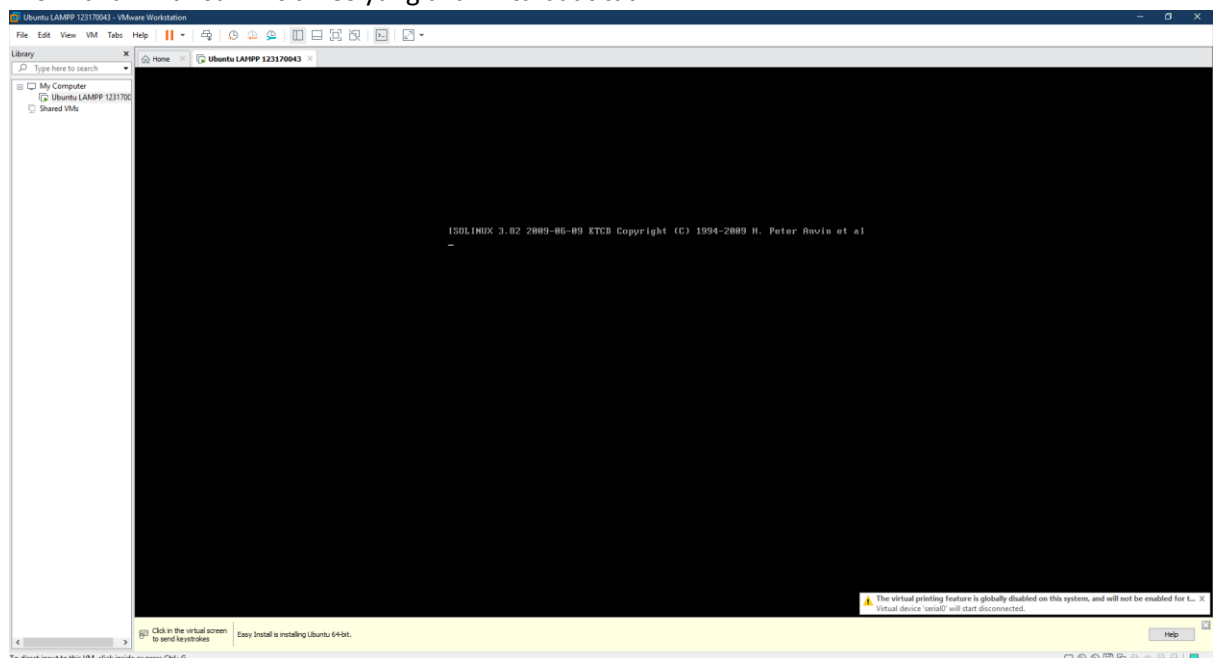
The screenshot shows a 'New Virtual Machine Wizard' window with a dark blue title bar and a close button. The main title is 'Specify Disk File' with a subtitle 'Where would you like to store the disk file?'. Below this, there is a section titled 'Disk file' with a text box containing 'Ubuntu LAMP 123170043.vmdk' and a 'Browse...' button. A note states: 'A 20 GB virtual disk be created using multiple disk files. The disk files will be automatically named based on this file name.' At the bottom, there are four buttons: 'Help', '< Back', 'Next >' (which is highlighted with a blue border), and 'Cancel'.

m. Langsung next saja



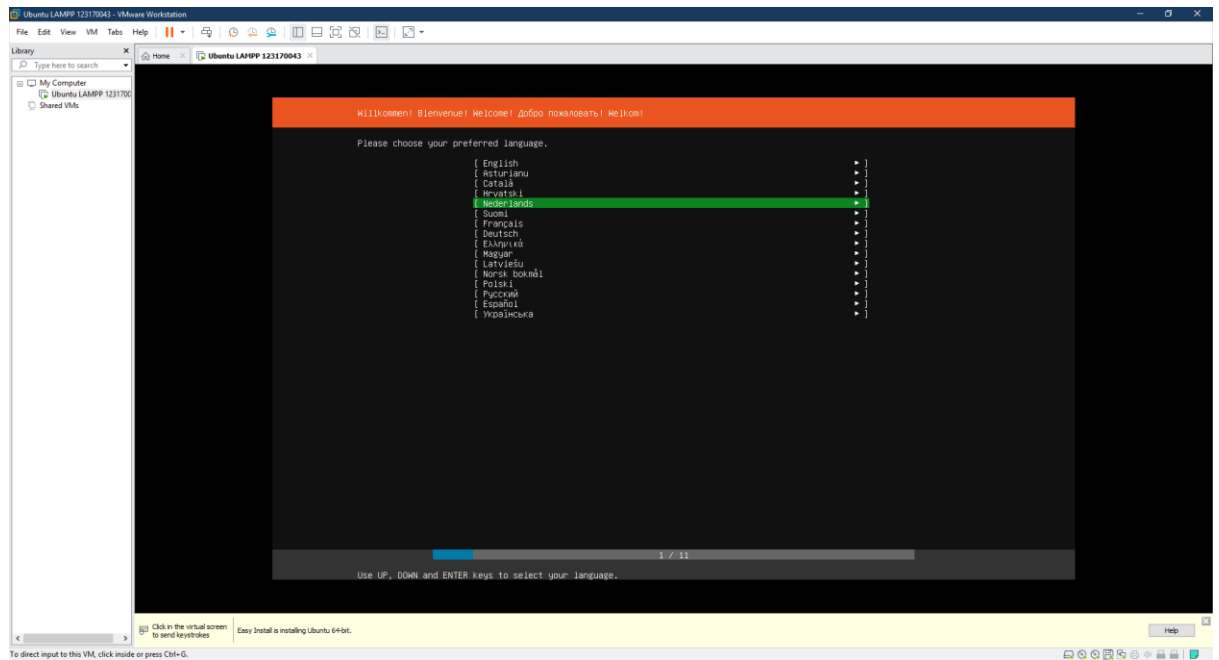
n.

Disini akan muncul rincian os yang akan kita buat tadi



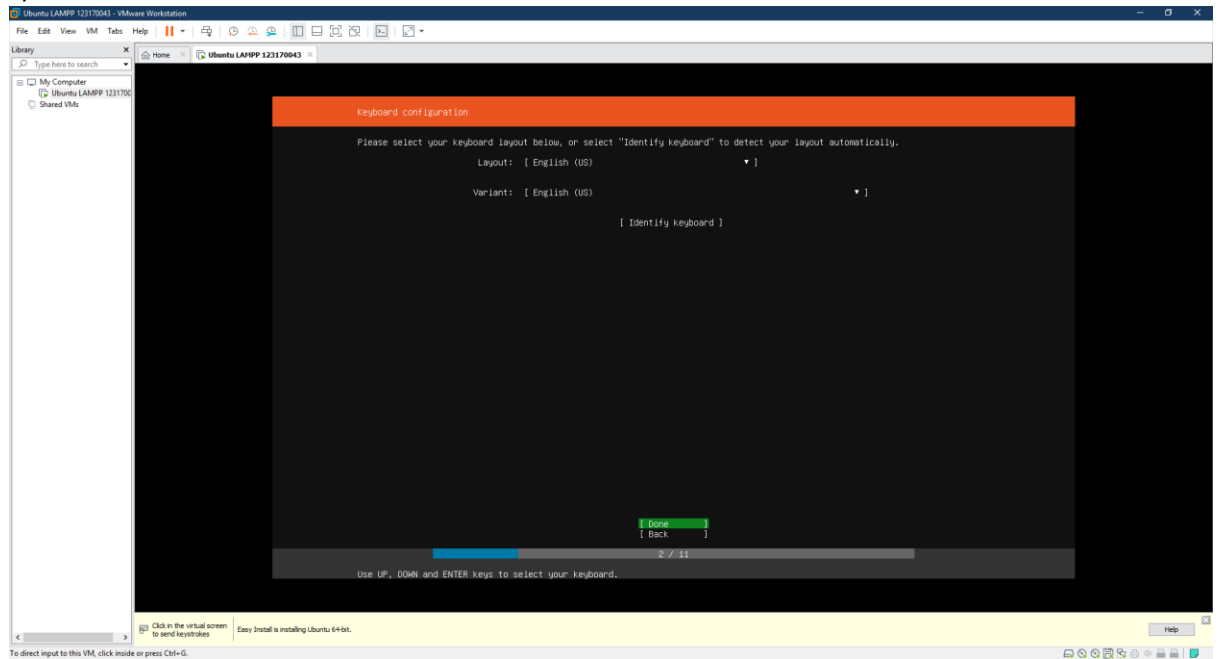
o.

Proses instalasi akan berjalan

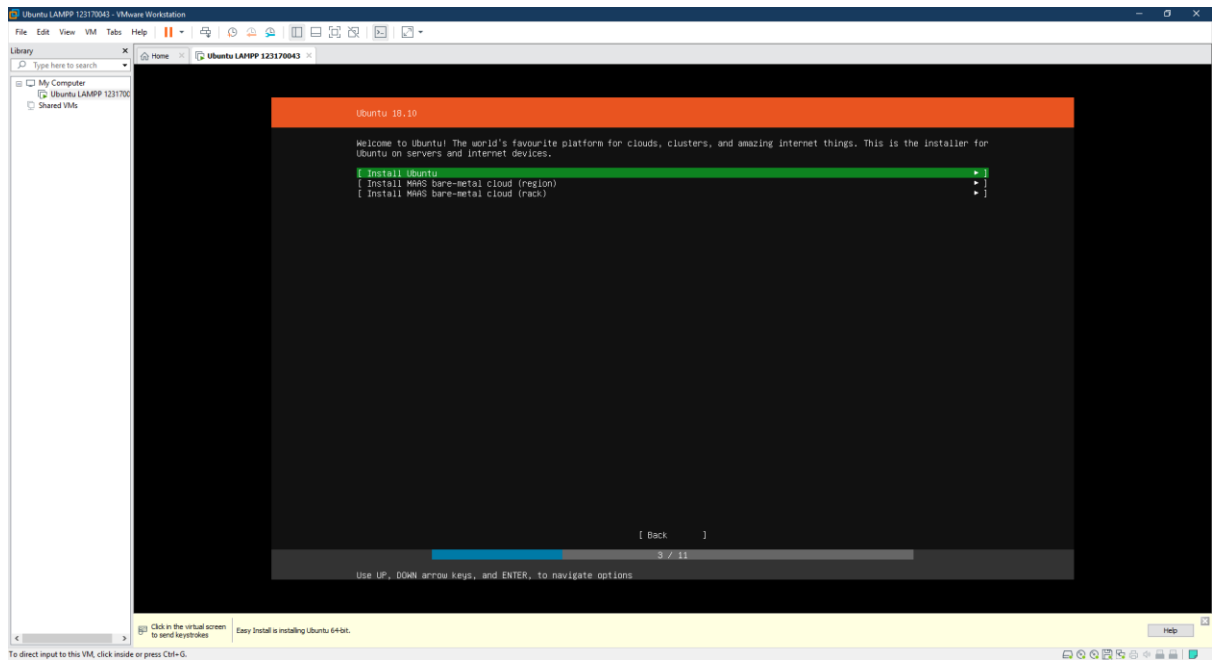


- p. Untuk mengeluarkan mouse lagi, klik CTRL+ALT

6. Tahapan Instalasi VM

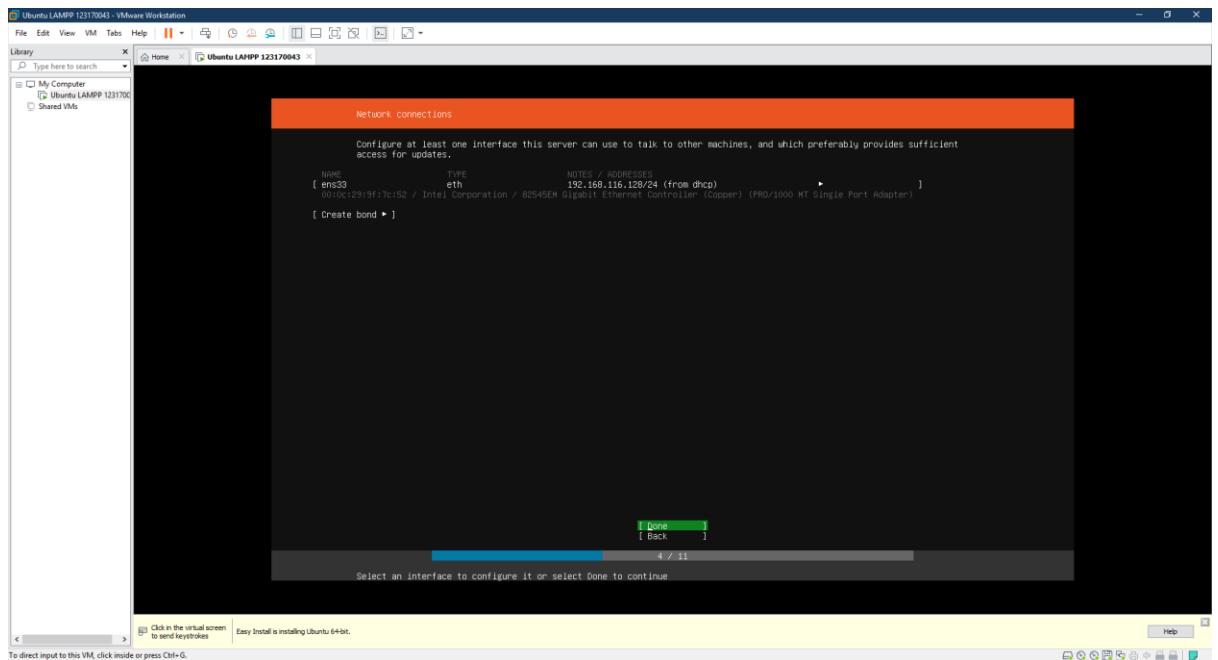


- a. Pilih English, kemudian langsung Done lagi



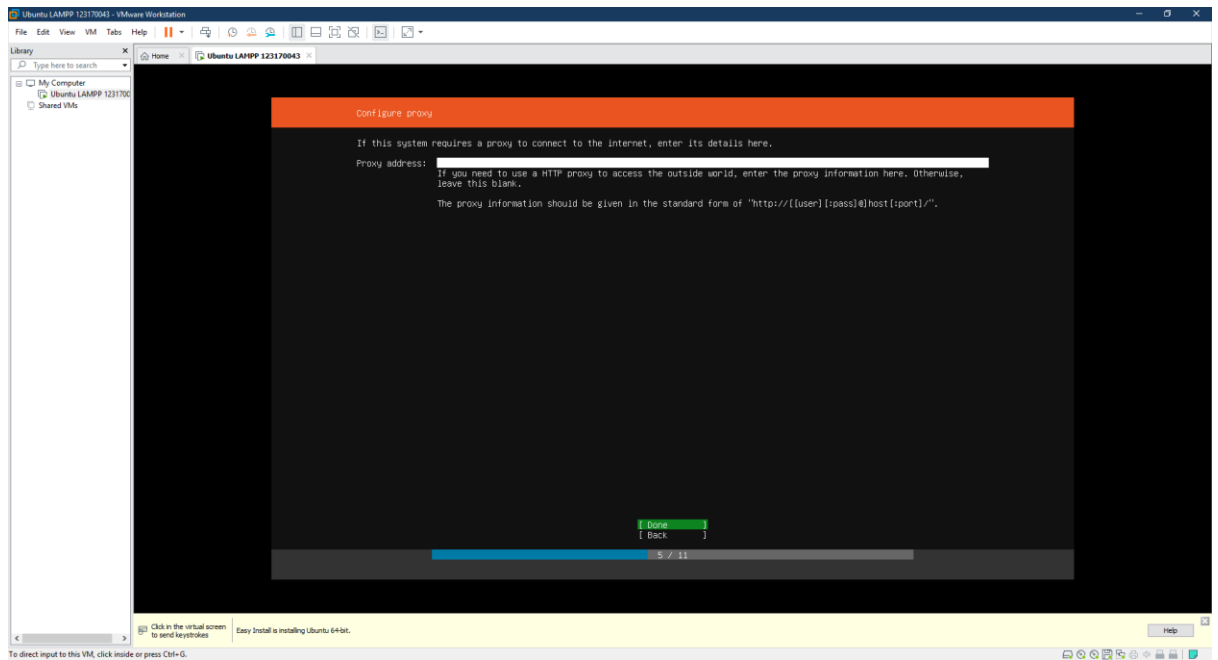
b.

Pilih Install ubuntu

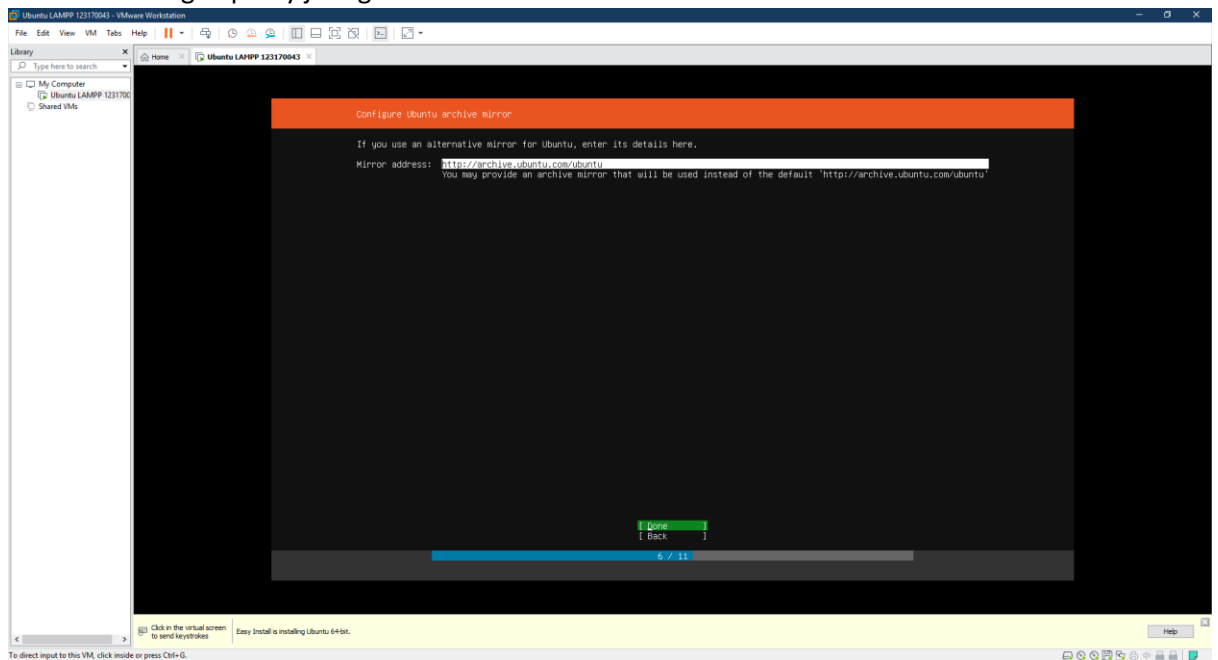


c.

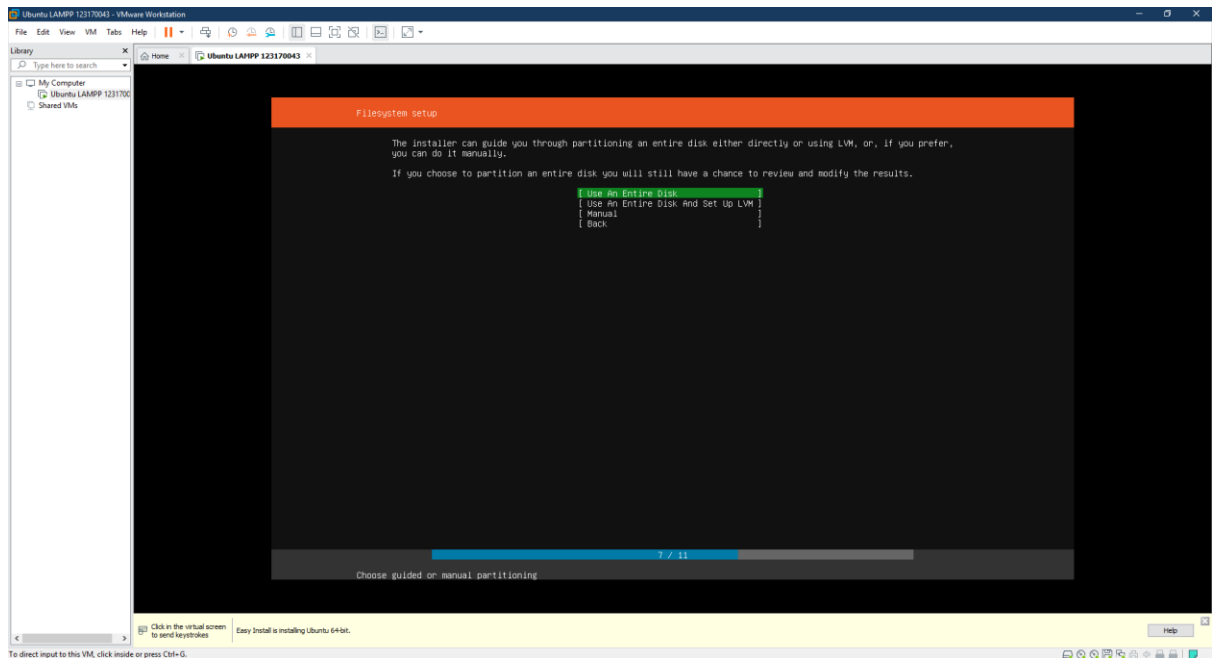
Karena kita menggunakan UBUNTU LIVE kita diharuskan untuk connect internet untuk menginstallnya



- d. Sesuaikan dengan proxy jaringan internet kita

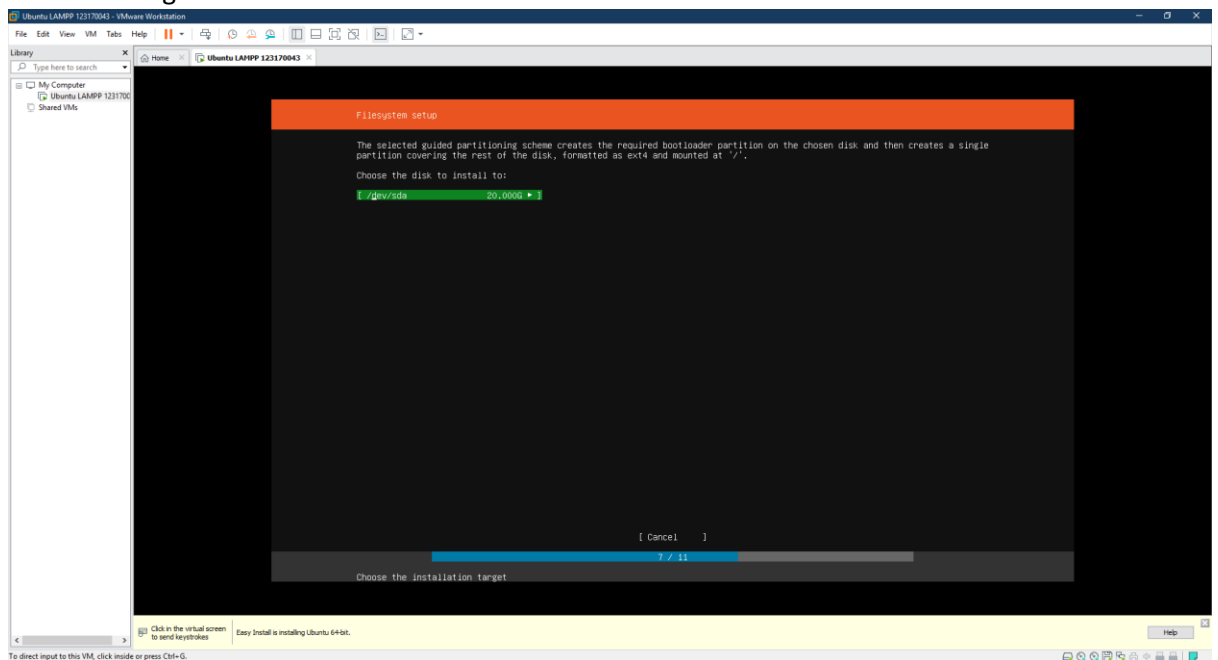


- e. Langsung done



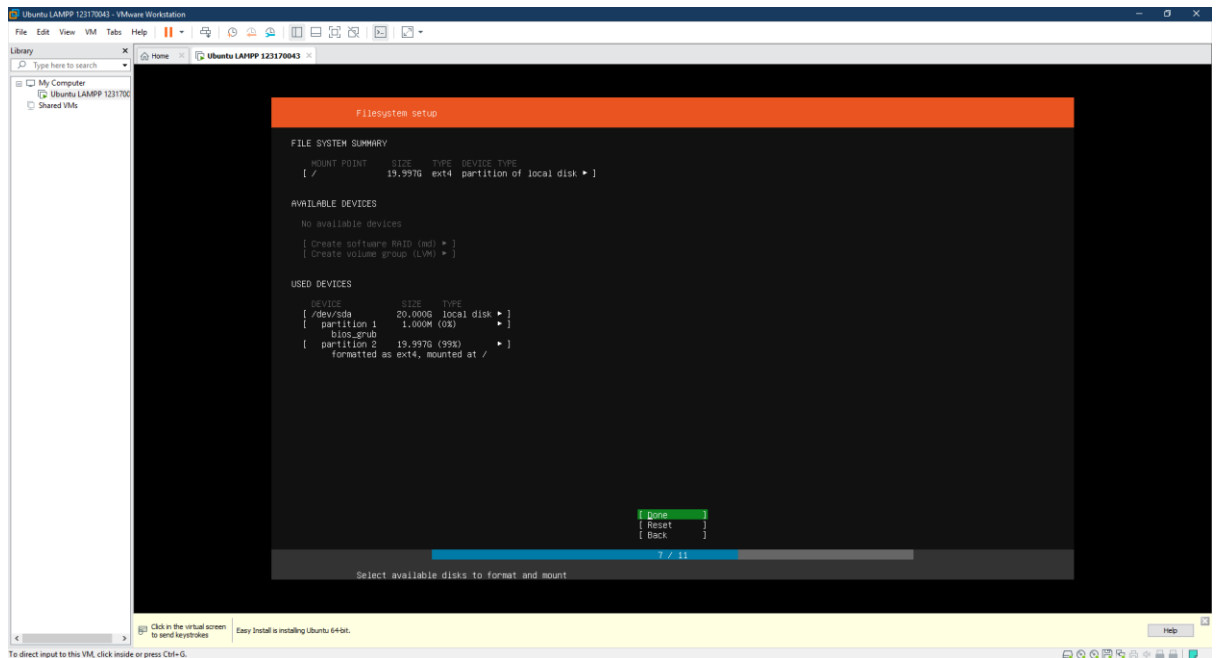
f.

Pilih yang entire disk karena kita akan menggunakan secara utuh 20GB yang kita alokasikan lagi



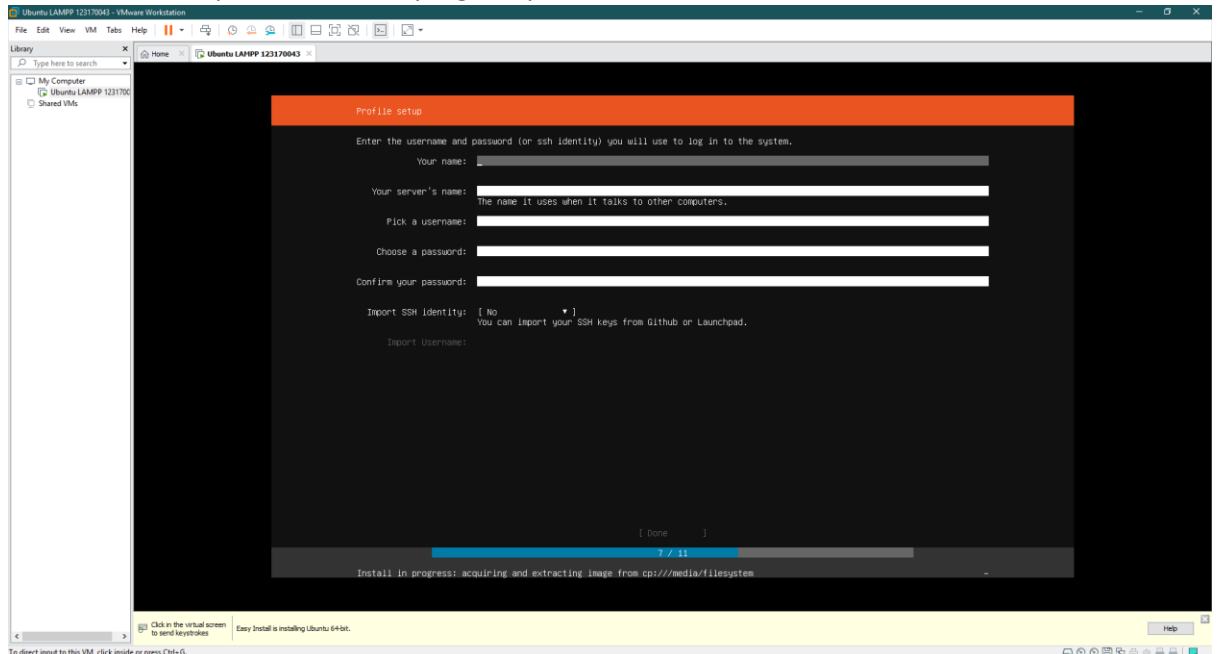
g.

Dev/sda adalah local disk(c) sama seperti yang ada di windows



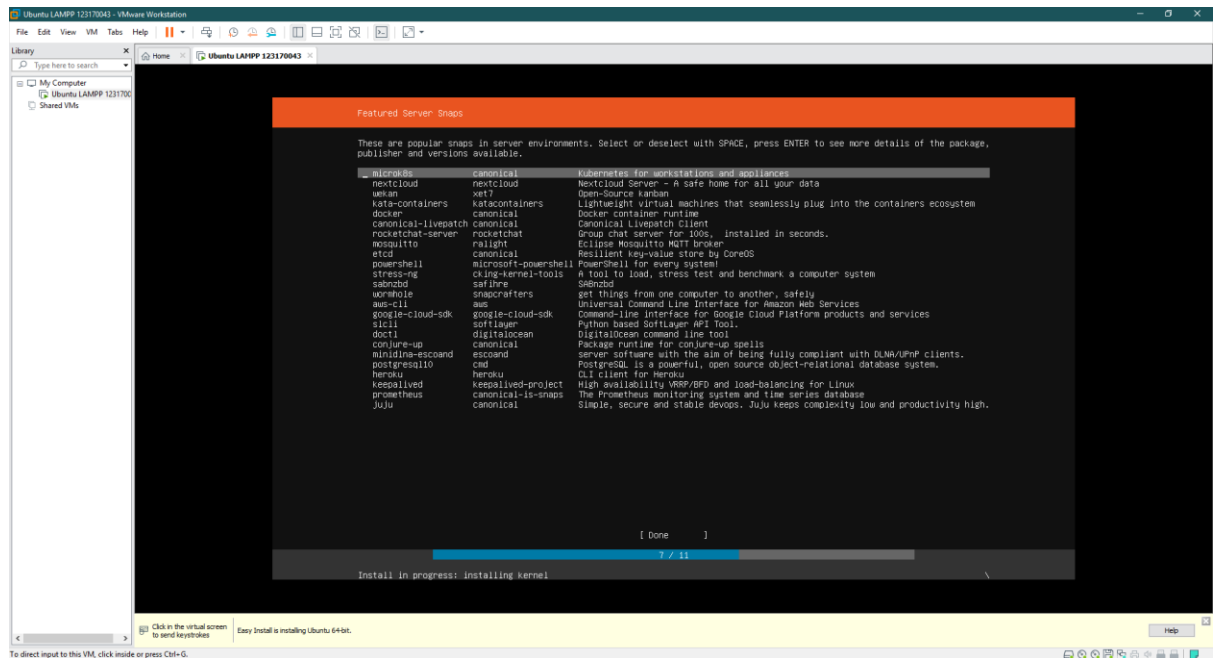
h.

Disini akan ditampilkan informasi yang kita pilih



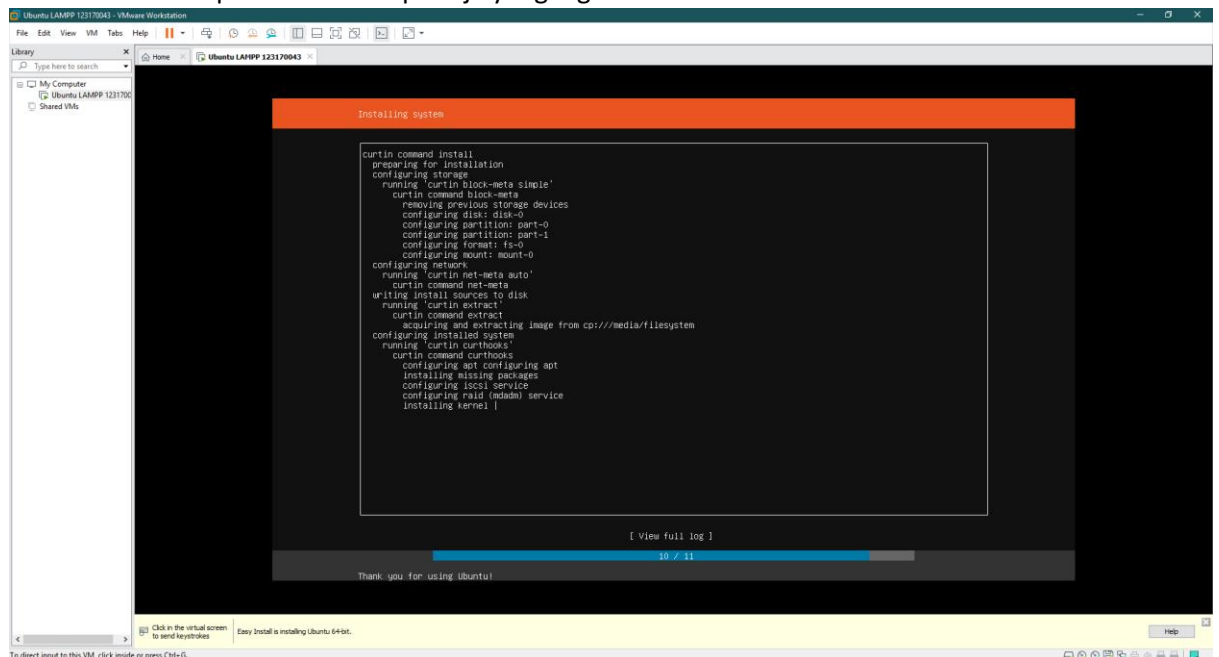
i.

Diisi sesuai dengan informasi



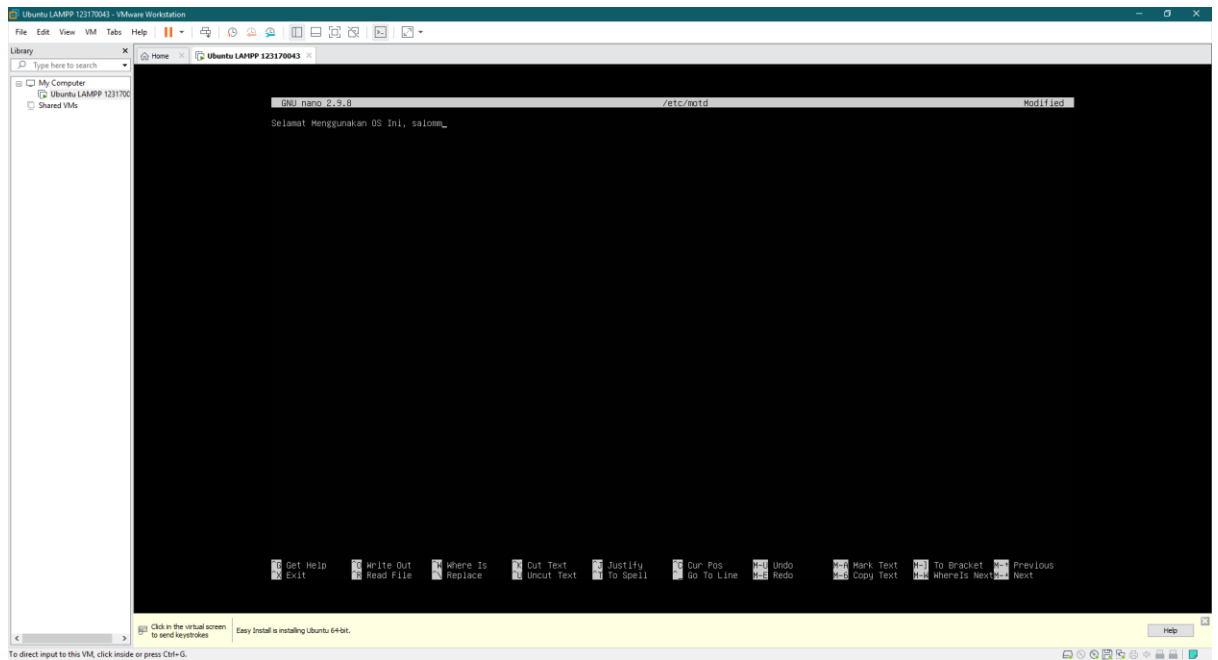
j.

Disini akan ditampilkan addons apa saja yang ingin kita instal



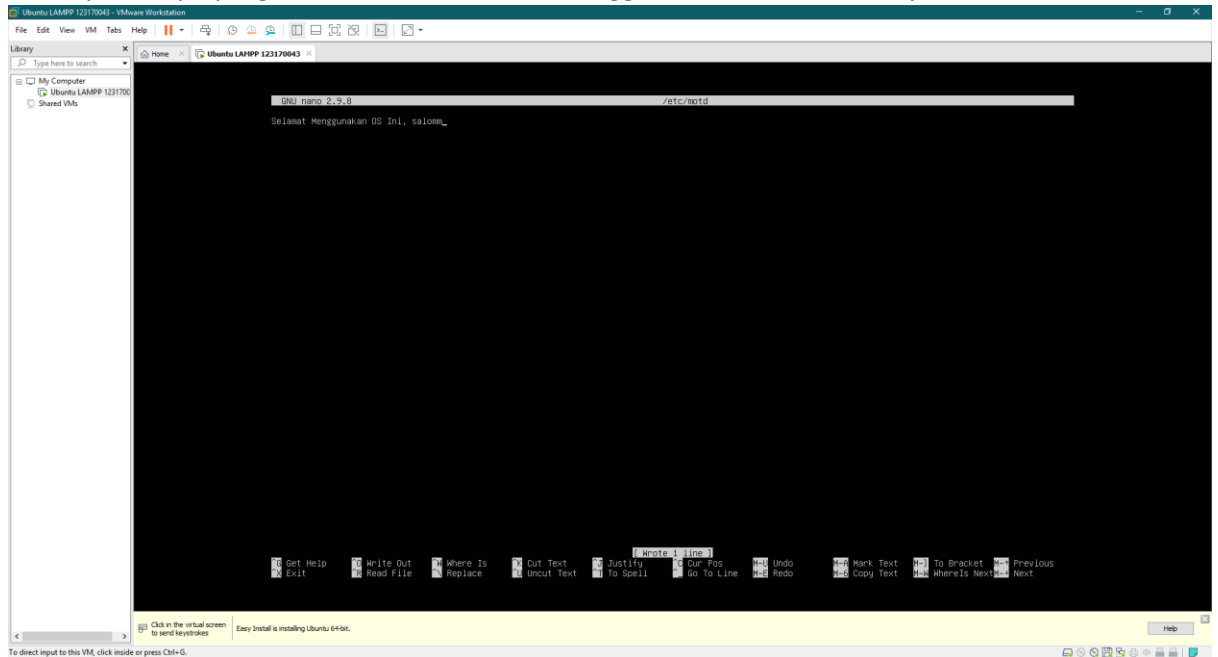
k.

Proses instalasi sedang berjalan. Jika waktu reboot tidak bisa reboot, gunakan fitur reset di menu suspend



n.

Isikan pesan apa yang akan kalian buat untuk menggantikan Pesan MOTD nya



o.

Gunakan CTRL+O untuk menyimpan pesan kita. Lalu untuk keluar gunakan CTRL+X

p.

Catat ip pc kita, kemudian gunakan aplikasi putty untuk meremote terminal

Tugas

```
setiawan@setiawan-server: ~  
Memory usage: 26%          IP address for ens33: 192.168.116.129  
Swap usage: 0%  
  
183 packages can be updated.  
106 updates are security updates.  
  
Your Ubuntu release is not supported anymore.  
For upgrade information, please visit:  
http://www.ubuntu.com/releaseendoflife  
  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Menggunakan OS Ini, salomm  
Last login: Fri Feb 14 02:50:38 2020  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ is  
is: command not found  
setiawan@setiawan-server:~$ Is  
Is: command not found  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$
```

1. Perintah ls tidak keluar apapun

```
setiawan@setiawan-server: ~  
Swap usage: 0%  
  
183 packages can be updated.  
106 updates are security updates.  
  
Your Ubuntu release is not supported anymore.  
For upgrade information, please visit:  
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New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Menggunakan OS Ini, salomm  
Last login: Fri Feb 14 02:50:38 2020  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ is  
is: command not found  
setiawan@setiawan-server:~$ Is  
Is: command not found  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ mkdir pertemuan-2  
setiawan@setiawan-server:~$
```

2. Sama, tidak keluar apapun

```
setiawan@setiawan-server: ~  
  
183 packages can be updated.  
106 updates are security updates.  
  
Your Ubuntu release is not supported anymore.  
For upgrade information, please visit:  
http://www.ubuntu.com/releaseendoflife  
  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Menggunakan OS Ini, salomm  
Last login: Fri Feb 14 02:50:38 2020  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ is  
is: command not found  
setiawan@setiawan-server:~$ Is  
Is: command not found  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ mkdir pertemuan-2  
setiawan@setiawan-server:~$ ls -l  
pertemuan-2  
setiawan@setiawan-server:~$
```

3. Muncul katakata pertemuan-2 dr inputan kita sebelumnya

```
setiawan@setiawan-server: ~  
  
Your Ubuntu release is not supported anymore.  
For upgrade information, please visit:  
http://www.ubuntu.com/releaseendoflife  
  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Menggunakan OS Ini, salomm  
Last login: Fri Feb 14 02:50:38 2020  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ is  
is: command not found  
setiawan@setiawan-server:~$ Is  
Is: command not found  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ mkdir pertemuan-2  
setiawan@setiawan-server:~$ ls -l  
pertemuan-2  
setiawan@setiawan-server:~$ cd -r pertemuan-2 pertemuan-1  
-bash: cd: -r: invalid option  
cd: usage: cd [-L|[-P [-e]] [-@]] [dir]  
setiawan@setiawan-server:~$
```

4. Muncul suatu data

```
setiawan@setiawan-server: ~  
For upgrade information, please visit:  
http://www.ubuntu.com/releaseendoflife  
  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Menggunakan OS Ini, salomm  
Last login: Fri Feb 14 02:50:38 2020  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ is  
is: command not found  
setiawan@setiawan-server:~$ Is  
Is: command not found  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ mkdir pertemuan-2  
setiawan@setiawan-server:~$ ls -l  
pertemuan-2  
setiawan@setiawan-server:~$ cd -r pertemuan-2 pertemuan-1  
-bash: cd: -r: invalid option  
cd: usage: cd [-L|[-P [-e]] [-@]] [dir]  
setiawan@setiawan-server:~$ ls  
pertemuan-2  
setiawan@setiawan-server:~$
```

5. Masih memunculkan data inputan pertama

```
setiawan@setiawan-server: ~  
http://www.ubuntu.com/releaseendoflife  
  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Menggunakan OS Ini, salomm  
Last login: Fri Feb 14 02:50:38 2020  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ is  
is: command not found  
setiawan@setiawan-server:~$ Is  
Is: command not found  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ mkdir pertemuan-2  
setiawan@setiawan-server:~$ ls -l  
pertemuan-2  
setiawan@setiawan-server:~$ cd -r pertemuan-2 pertemuan-1  
-bash: cd: -r: invalid option  
cd: usage: cd [-L|[-P [-e]] [-@]] [dir]  
setiawan@setiawan-server:~$ ls  
pertemuan-2  
setiawan@setiawan-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
setiawan@setiawan-server:~$
```

6. Tidak keluar data apapun, ini buat input ke sistem

```
setiawan@setiawan-server: ~  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Menggunakan OS Ini, salomm  
Last login: Fri Feb 14 02:50:38 2020  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ is  
is: command not found  
setiawan@setiawan-server:~$ Is  
Is: command not found  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ mkdir pertemuan-2  
setiawan@setiawan-server:~$ ls -l  
pertemuan-2  
setiawan@setiawan-server:~$ cd -r pertemuan-2 pertemuan-1  
-bash: cd: -r: invalid option  
cd: usage: cd [-L|[-P [-e]] [-@]] [dir]  
setiawan@setiawan-server:~$ ls  
pertemuan-2  
setiawan@setiawan-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
setiawan@setiawan-server:~$ ls  
'pertemuan 2 LAMPP'  
setiawan@setiawan-server:~$
```

7. Muncul inputan yang terakhir tadi

```
setiawan@setiawan-server: ~/pertemuan 2 LAMPP  
Run 'do-release-upgrade' to upgrade to it.  
  
Selamat Menggunakan OS Ini, salomm  
Last login: Fri Feb 14 02:50:38 2020  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ is  
is: command not found  
setiawan@setiawan-server:~$ Is  
Is: command not found  
setiawan@setiawan-server:~$ ls  
setiawan@setiawan-server:~$ mkdir pertemuan-2  
setiawan@setiawan-server:~$ ls -l  
pertemuan-2  
setiawan@setiawan-server:~$ cd -r pertemuan-2 pertemuan-1  
-bash: cd: -r: invalid option  
cd: usage: cd [-L|[-P [-e]] [-@]] [dir]  
setiawan@setiawan-server:~$ ls  
pertemuan-2  
setiawan@setiawan-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
setiawan@setiawan-server:~$ ls  
'pertemuan 2 LAMPP'  
setiawan@setiawan-server:~$ cd "pertemuan 2 LAMPP"/  
setiawan@setiawan-server:~/pertemuan 2 LAMPP$
```

8. Sepertinya ini untuk masuk ke directory pertemuan 2 LAMPP

```
setiawan@setiawan-server: ~/pertemuan 2 LAMPP
GNU nano 2.9.8 biodata.txt
123170043
[ Wrote 1 line ]
^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace   ^U Uncut Text ^T To Spell  ^_ Go To Line
```

9. Kemudian ketikkan nano biodata.txt untuk masuk ke tampilan nano dan isi dengan nim. Save lalu exit

```
setiawan@setiawan-server: ~/pertemuan 2 LAMPP
Last login: Fri Feb 14 02:50:38 2020
setiawan@setiawan-server:~$ ls
setiawan@setiawan-server:~$ is
is: command not found
setiawan@setiawan-server:~$ Is
Is: command not found
setiawan@setiawan-server:~$ ls
setiawan@setiawan-server:~$ mkdir pertemuan-2
setiawan@setiawan-server:~$ ls -l
pertemuan-2
setiawan@setiawan-server:~$ cd -r pertemuan-2 pertemuan-1
-bash: cd: -r: invalid option
cd: usage: cd [-L|[-P [-e]] [-@]] [dir]
setiawan@setiawan-server:~$ ls
pertemuan-2
setiawan@setiawan-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"
setiawan@setiawan-server:~$ ls
'pertemuan 2 LAMPP'
setiawan@setiawan-server:~$ cd "pertemuan 2 LAMPP"/
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ nano biodata.txt
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ ls -l
total 4
-rw-rw-r-- 1 setiawan setiawan 10 Feb 14 03:04 biodata.txt
setiawan@setiawan-server:~/pertemuan 2 LAMPP$
```

10. Sekarang akan muncul data inputan apa saja yang ada di os

```
setiawan@setiawan-server: ~/pertemuan 2 LAMPP
setiawan@setiawan-server:~$ is
is: command not found
setiawan@setiawan-server:~$ Is
Is: command not found
setiawan@setiawan-server:~$ ls
setiawan@setiawan-server:~$ mkdir pertemuan-2
setiawan@setiawan-server:~$ ls -l
pertemuan-2
setiawan@setiawan-server:~$ cd -r pertemuan-2 pertemuan-1
-bash: cd: -r: invalid option
cd: usage: cd [-L|[-P [-e]] [-@]] [dir]
setiawan@setiawan-server:~$ ls
pertemuan-2
setiawan@setiawan-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"
setiawan@setiawan-server:~$ ls
'pertemuan 2 LAMPP'
setiawan@setiawan-server:~$ cd "pertemuan 2 LAMPP"/
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ nano biodata.txt
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ ls -l
total 4
-rw-rw-r-- 1 setiawan setiawan 10 Feb 14 03:04 biodata.txt
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ cat biodata.txt
123170043
setiawan@setiawan-server:~/pertemuan 2 LAMPP$
```

11. Berfungsi untuk membaca biodata.txt

```
GNU nano 2.9.8 biodata.txt Modified
1. 123170043
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.

^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace   ^U Uncut Text ^T To Spell  ^_ Go To Line
```

12. Masuk ke nano kemudian edit biodata.txt seperti diatas

```
setiawan@setiawan-server: ~/pertemuan 2 LAMPP
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ nano biodata.txt
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ ls -l
total 4
-rw-rw-r-- 1 setiawan setiawan 10 Feb 14 03:04 biodata.txt
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ cat biodata.txt
123170043
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ nano biodata.txt
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ cat biodata.txt
1. 123170043
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
setiawan@setiawan-server:~/pertemuan 2 LAMPP$
```

13. Perintah cat untuk menampilkan isi file biodata.txt

```
setiawan@setiawan-server: ~/pertemuan 2 LAMPP
15.
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ tail biodata.txt
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
setiawan@setiawan-server:~/pertemuan 2 LAMPP$ tail biodata.txt
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
setiawan@setiawan-server:~/pertemuan 2 LAMPP$
```

14. Perintah tail biodata.txt memunculkan 10 data terakhir dari file biodata.txt