

Praktikum 2

Rudiyanto/123170098

Dokumentasi:

Pengenalan VMWorkstation dan Linux OS



New Virtual Machine Wizard

Choose the Virtual Machine Hardware Compatibility
Which hardware features are needed for this virtual machine?

Virtual machine hardware compatibility

Hardware compatibility: Workstation 15.x

Compatible with: ☒ ESX Server

Compatible products:

- Fusion 11.x
- Workstation 15.x

Limitations:

- 64 GB memory
- 16 processors
- 10 network adapters
- 8 TB disk size
- 3 GB shared graphics memory

Help < Back Next > Cancel

Pada bagian hardware compatibility sesuaikan dengan OS yang ada, jika OS susah terbaru bisa pilih yang workstation 15.x. jika OS ,masih versi lama bisa turunkan versi workstationnya.

New Virtual Machine Wizard

Guest Operating System Installation

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:

DVD RW Drive (F:)

☒ Installer disc image file (iso):

C:\ISO Library\ubuntu-18.10-live-server-amd64.iso Browse...

Ubuntu 64-bit Server 18.10 detected.
This operating system will use Easy Install. [\(What's this?\)](#)

☐ I will install the operating system later.
The virtual machine will be created with a blank hard disk.

Help < Back Next > Cancel

Pilih file instalasi, disini file instalasi sudah ada di local disk c.

New Virtual Machine Wizard

Easy Install Information

This is used to install Ubuntu 64-bit.

Personalize Linux

Full name: Rudyant

User name: rudyant

Password: ●●●●

Confirm: ●●●●

Help < Back Next > Cancel

Isi data sesuai yang diinginkan.

New Virtual Machine Wizard

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

Virtual machine name:
Ubuntu lamp 123170098

Location:
D:\VM-123170098\Ubuntu lamp [Browse...](#)

The default location can be changed at Edit > Preferences.

< Back Next > Cancel

Masukkan nama pada bagian virtual machine name. kemudian pilih lokasi penyimpanannya.

New Virtual Machine Wizard

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

Processors

Number of processors:	2
Number of cores per processor:	1
Total processor cores:	2

Help < Back Next > Cancel

Pilih jumlah processor dan jumlah core yang diinginkan.

New Virtual Machine Wizard

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

Pilih jumlah RAM yang diinginkan.

New Virtual Machine Wizard

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

Pilih jenis jaringan yang akan digunakan.

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

Pilih pada menu LSI Logic.

New Virtual Machine Wizard ✕

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

Virtual disk type

☐ IDE

☒ SCSI (Recommended)

☐ SATA

☐ NYMe

Help < Back Next > Cancel

Pilih SCSI.

New Virtual Machine Wizard

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

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Next >

Cancel

Buat virtual disk baru.

New Virtual Machine Wizard

×

Specify Disk Capacity

How large do you want this disk to be?

Maximum disk size (GB): 20.0

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

Pilih split virtual disk.

New Virtual Machine Wizard

Specify Disk File

Where would you like to store the disk file?

Disk file

A 20 GB virtual disk be created using multiple disk files. The disk files will be automatically named based on this file name.

Ubuntu lamp_123170098.vmdk

Browse...

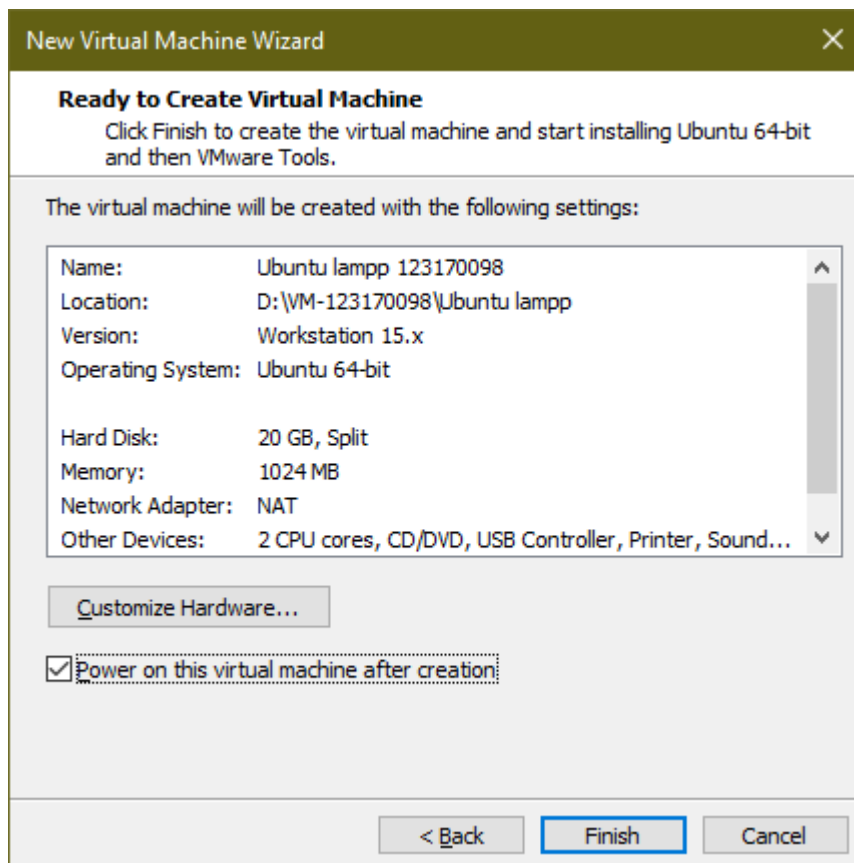
Help

< Back

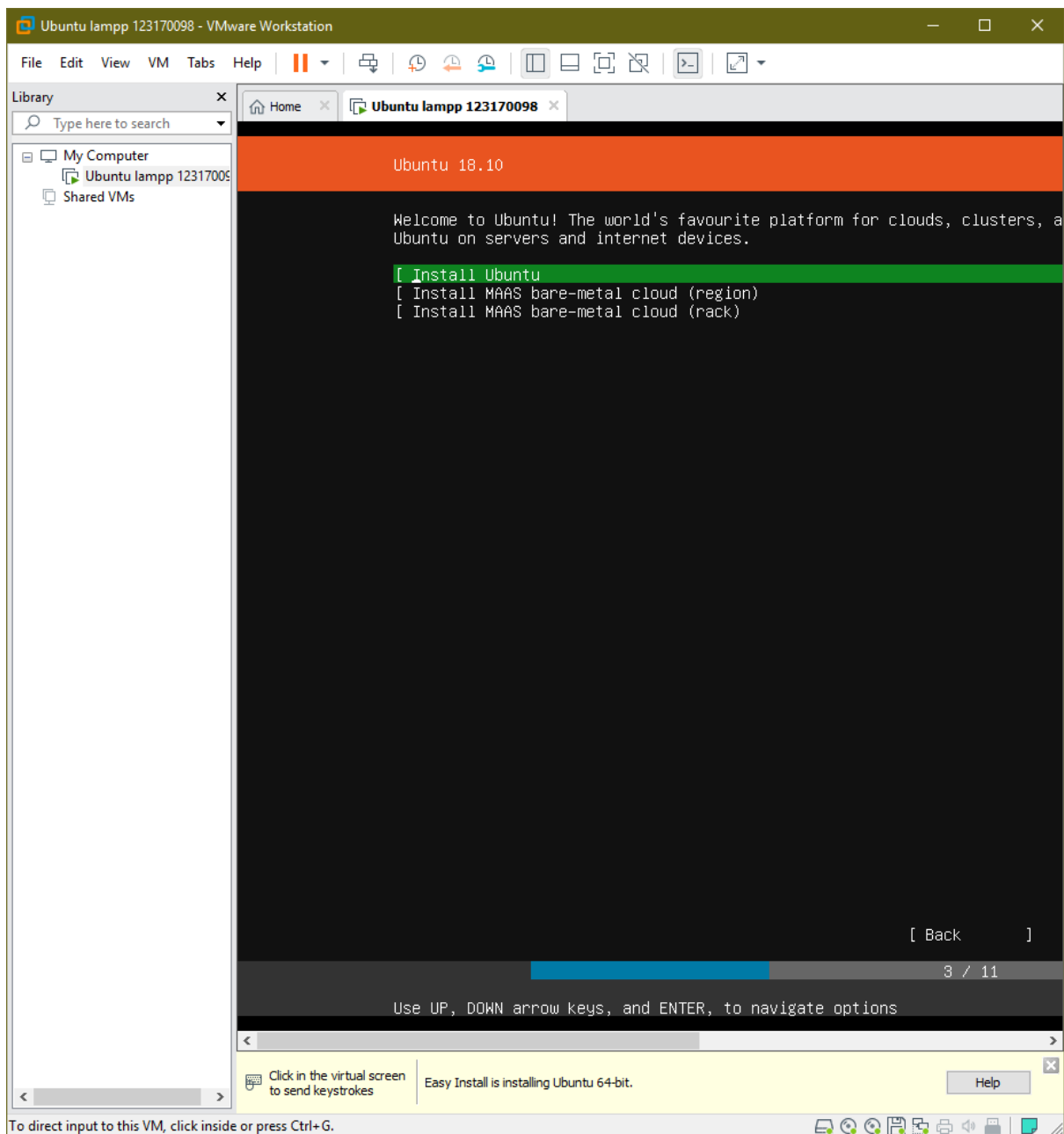
Next >

Cancel

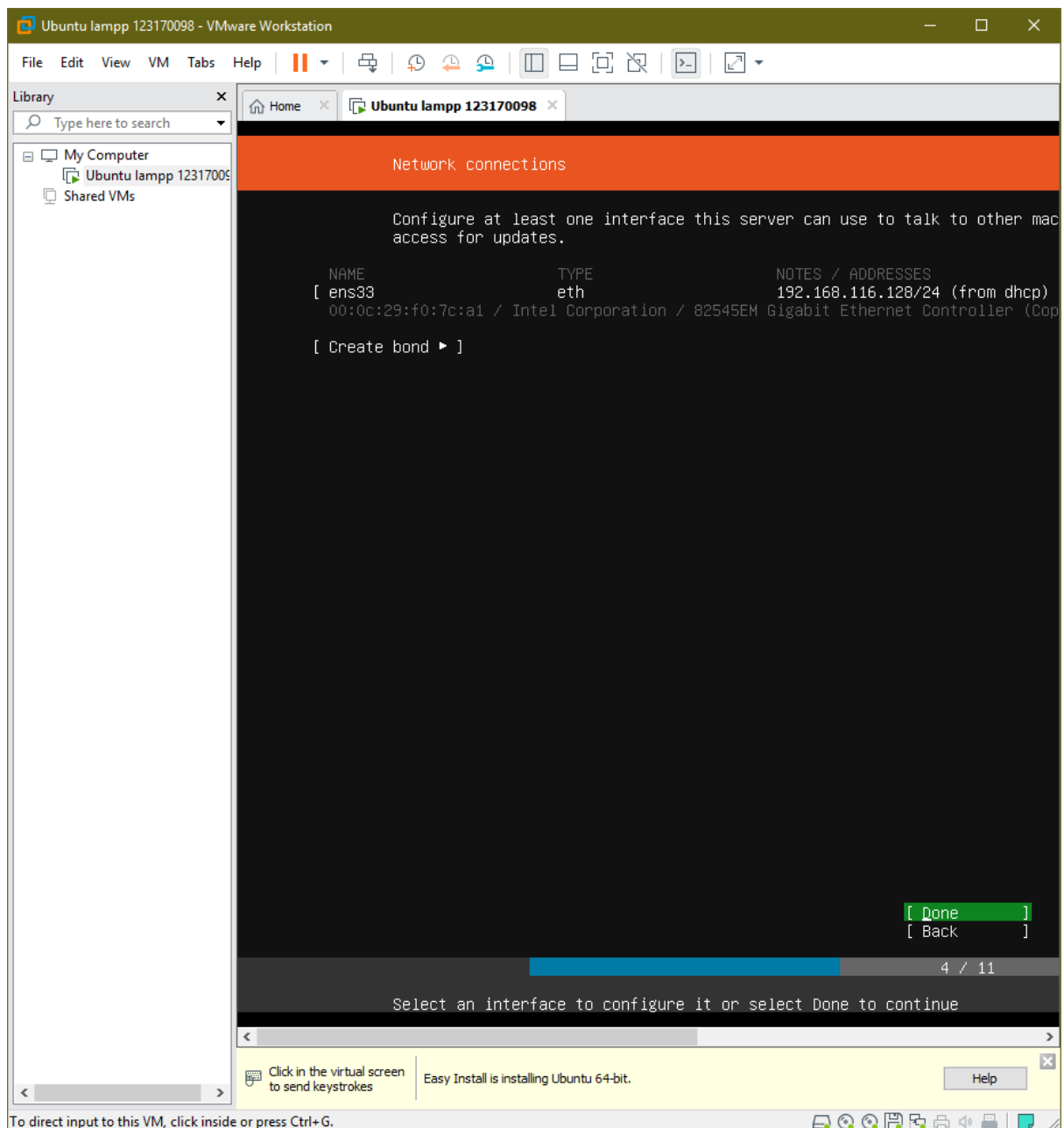
Nama dsik bisa diubah jika mau.



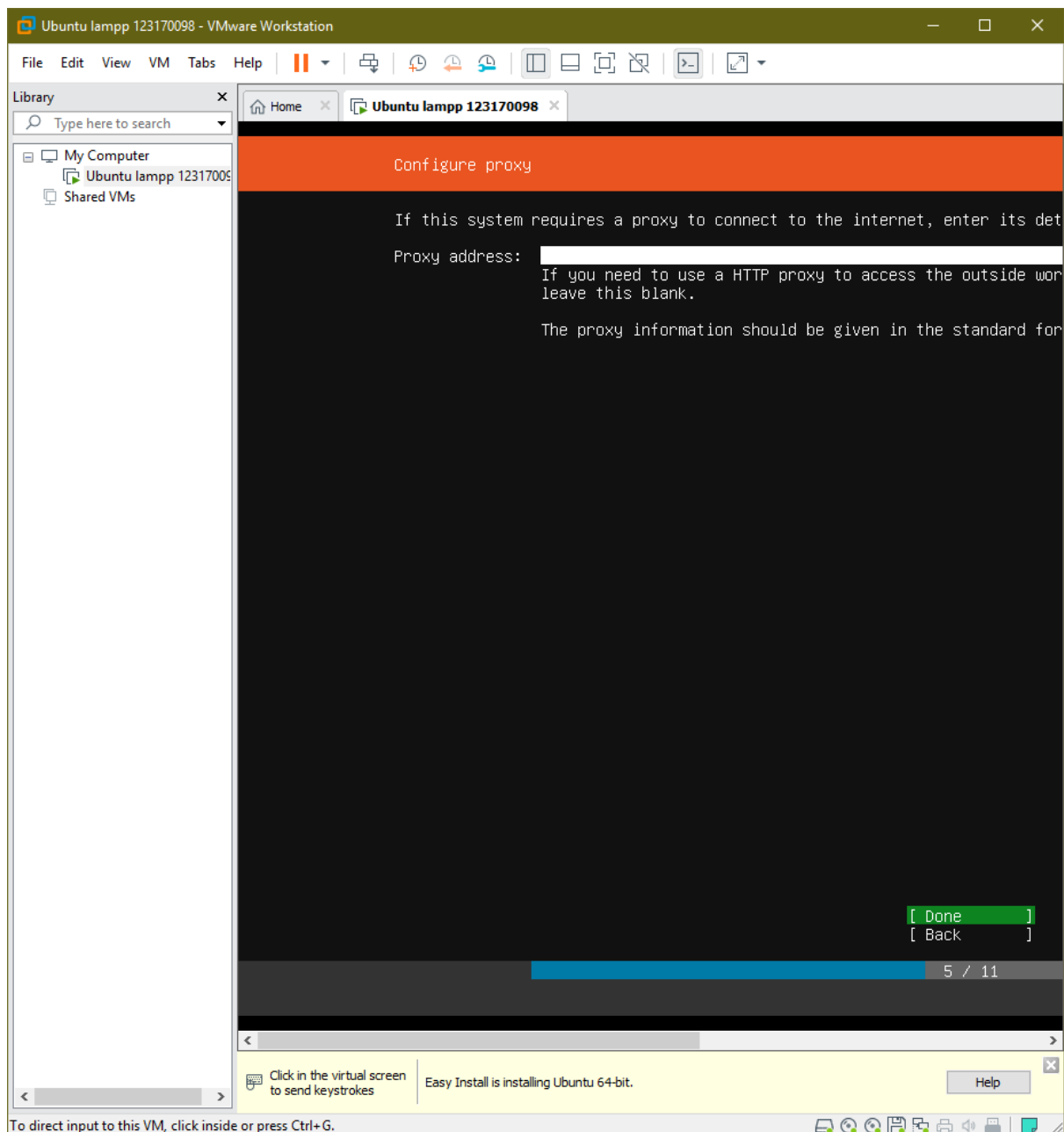
Centang pada bagian power on this virtual machine dan klik finish.



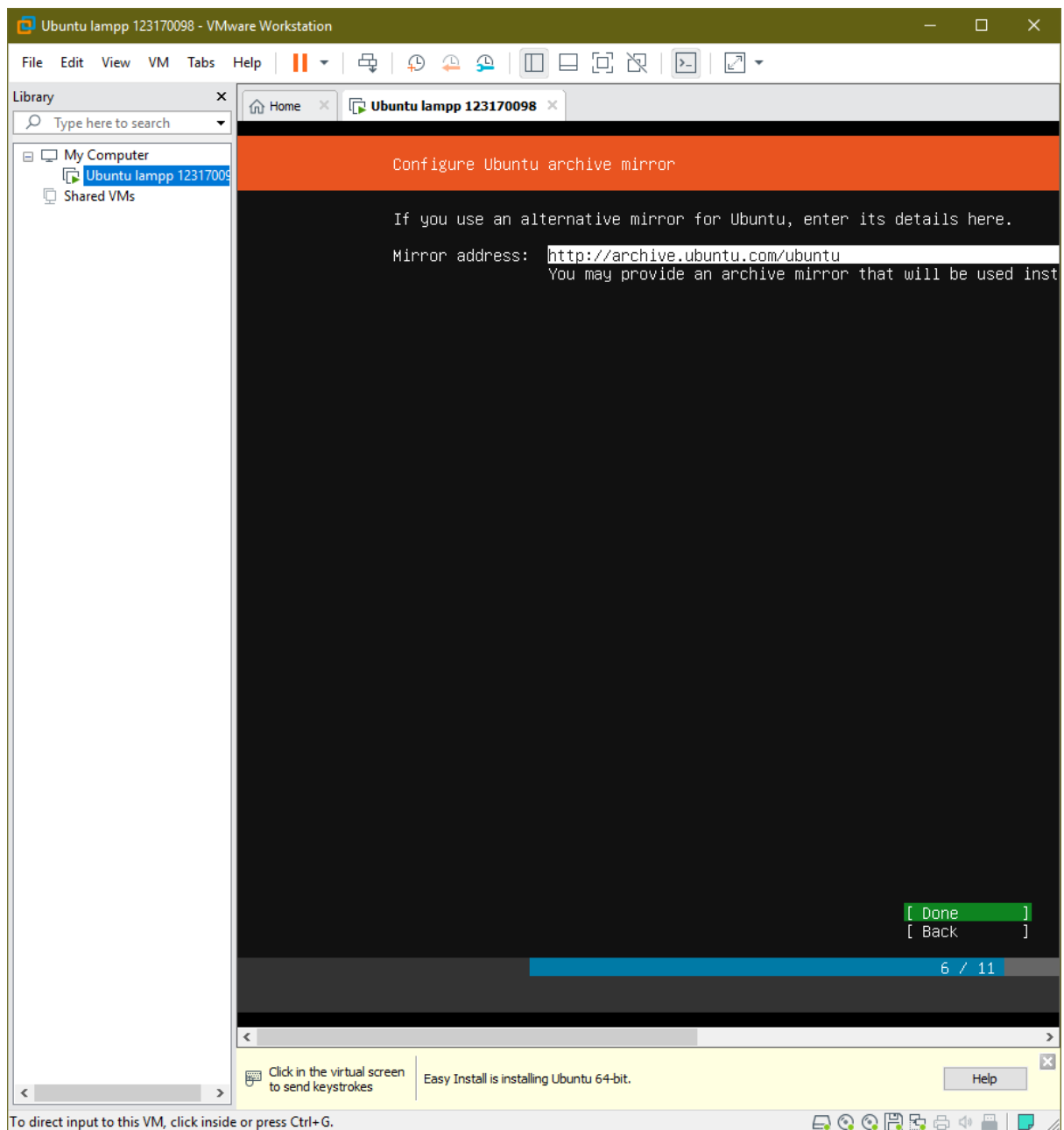
Pilih install ubuntu, karna kita akan menginstall ubuntu.



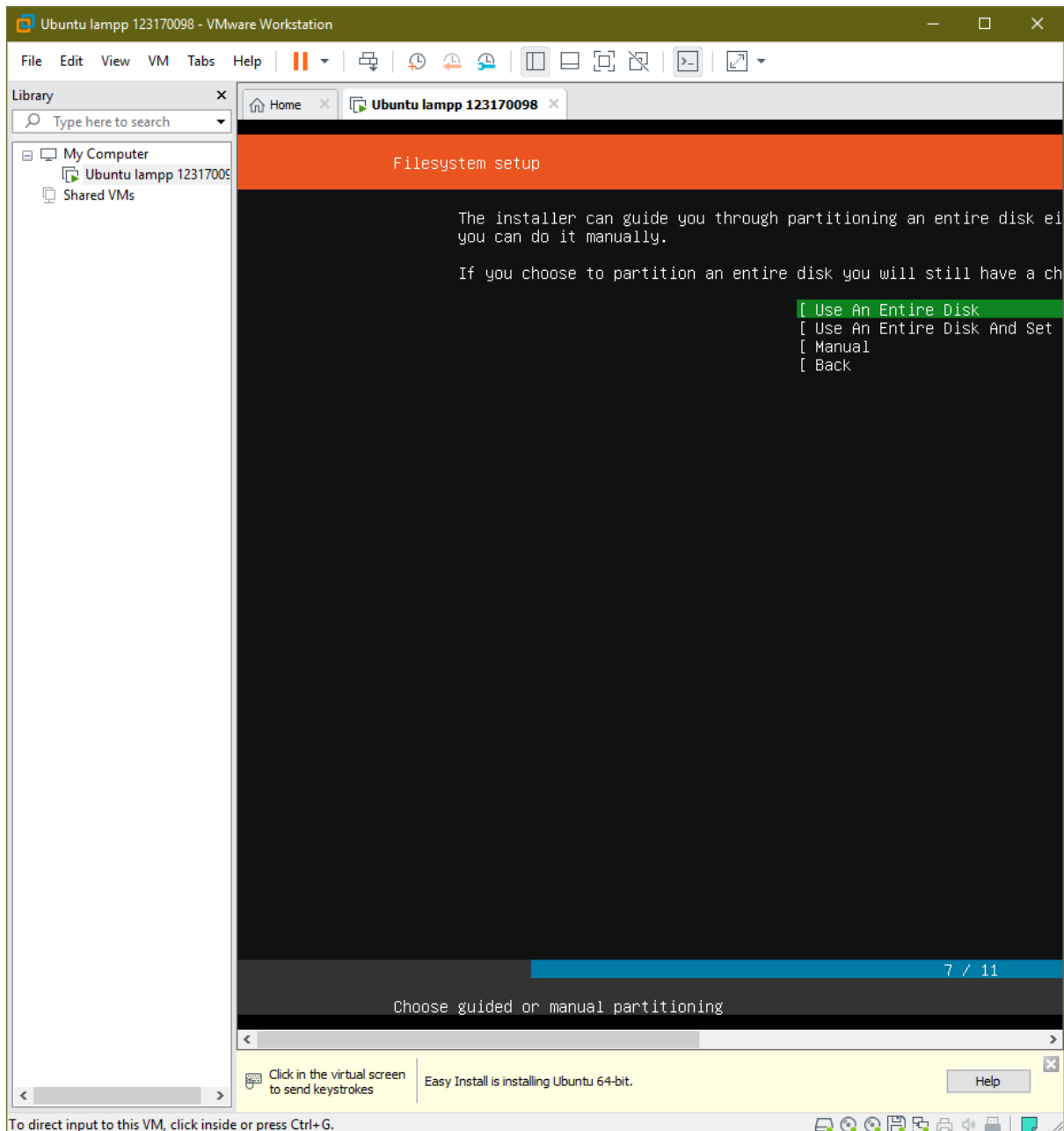
Klik done.



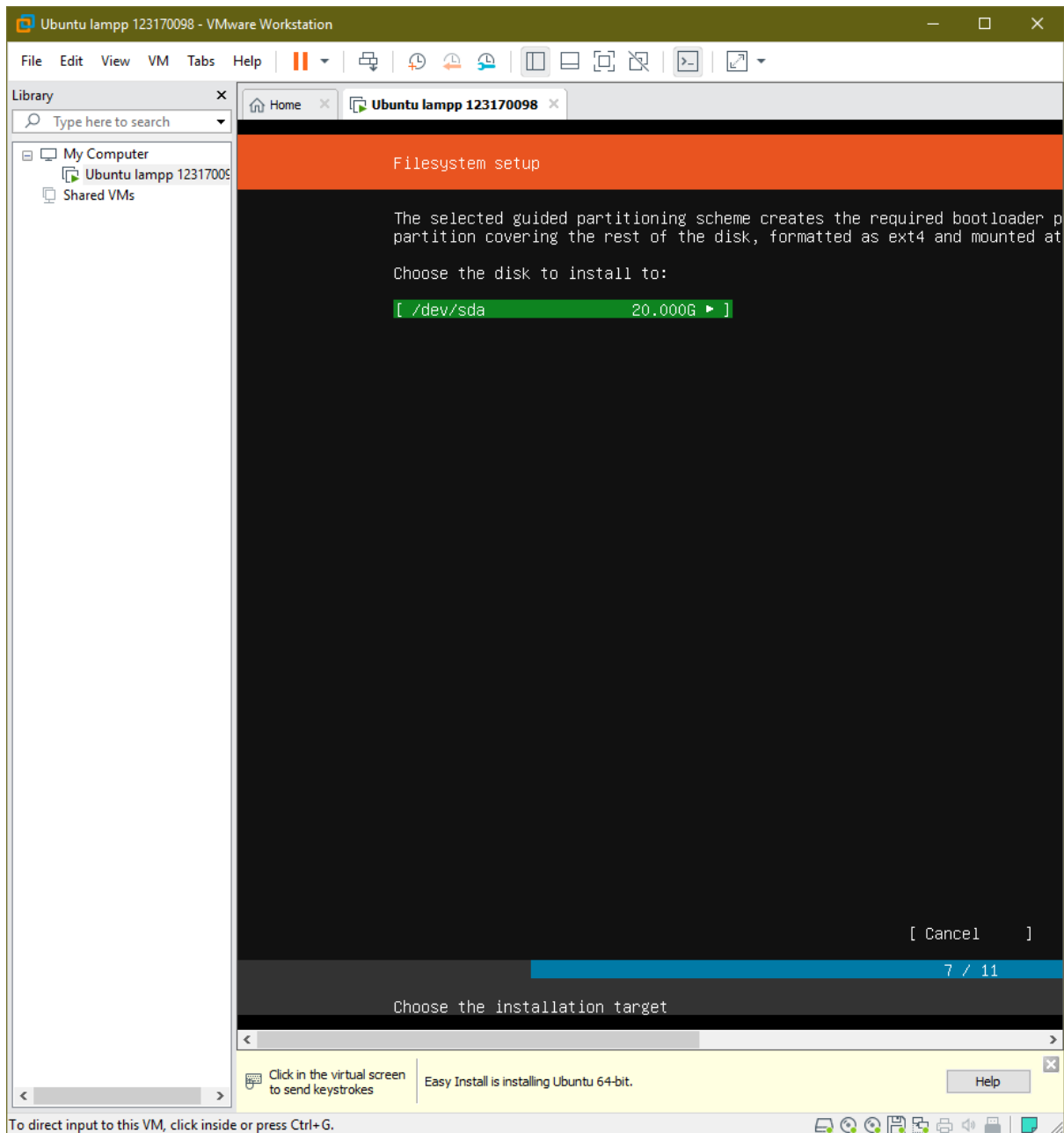
Tidak perlu ada perubahan, langsung klik done.

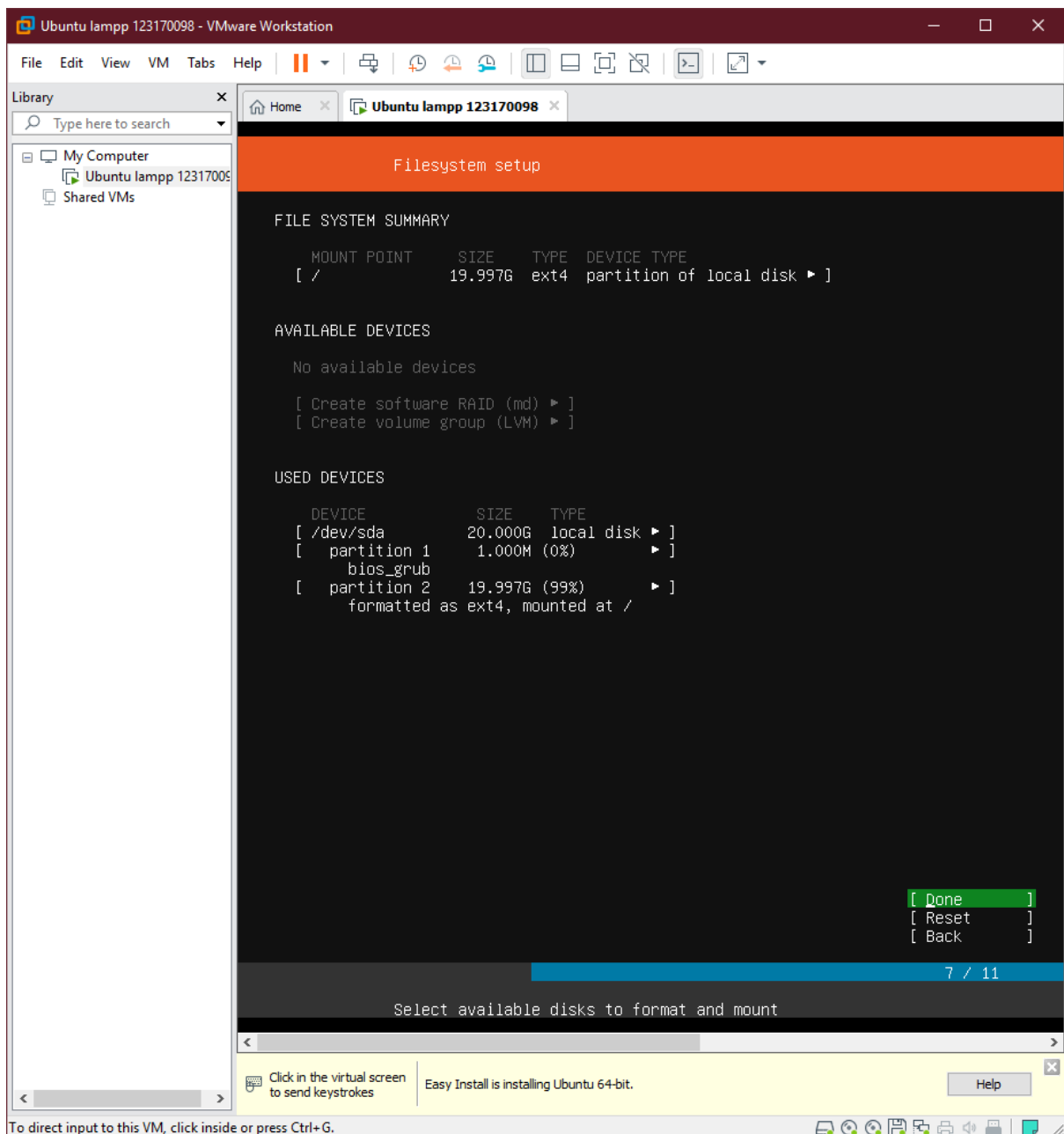


Langsung klik done lagi.

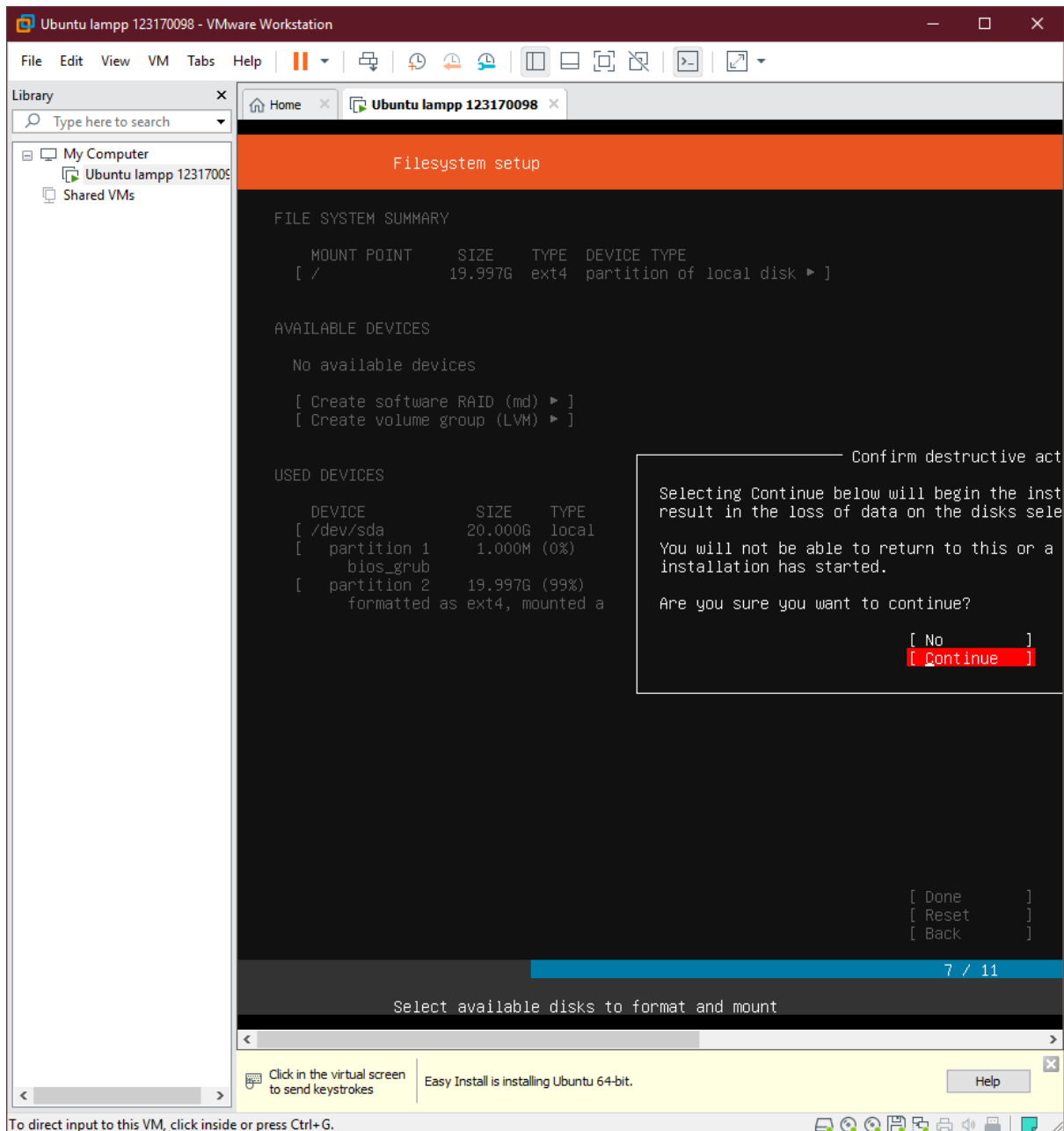


Pilih menu "use An Entire Disk"

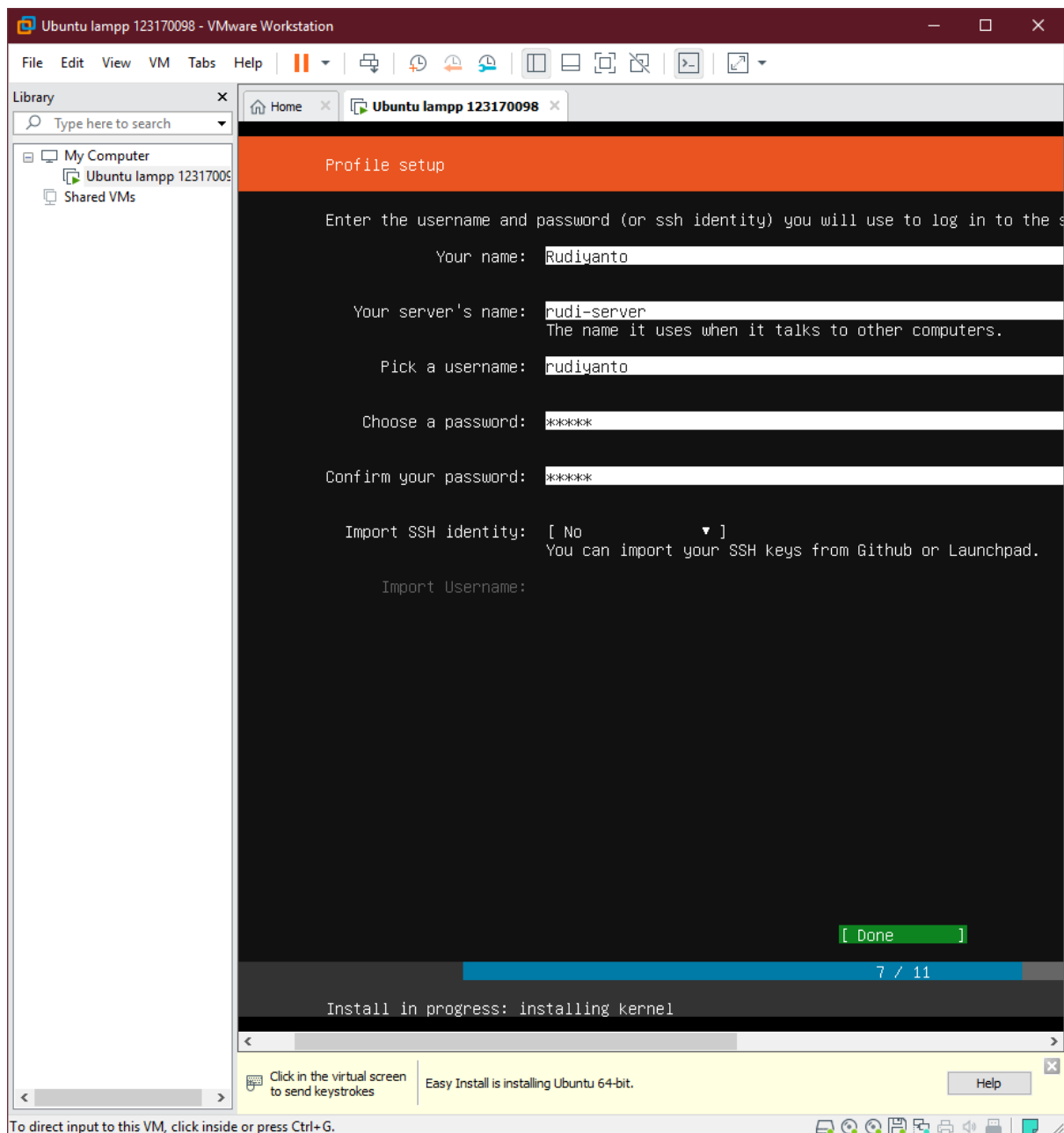




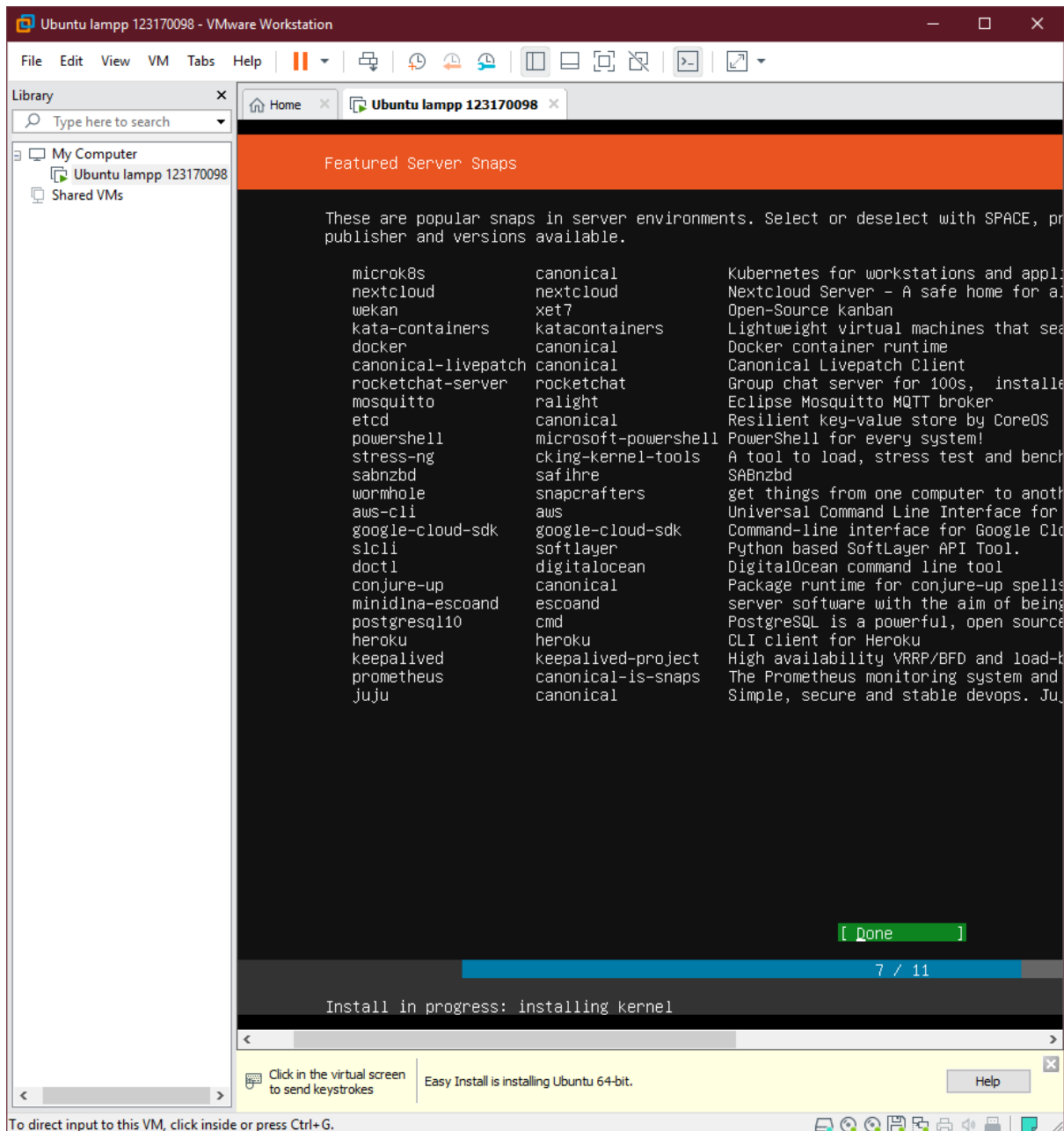
Klik done.



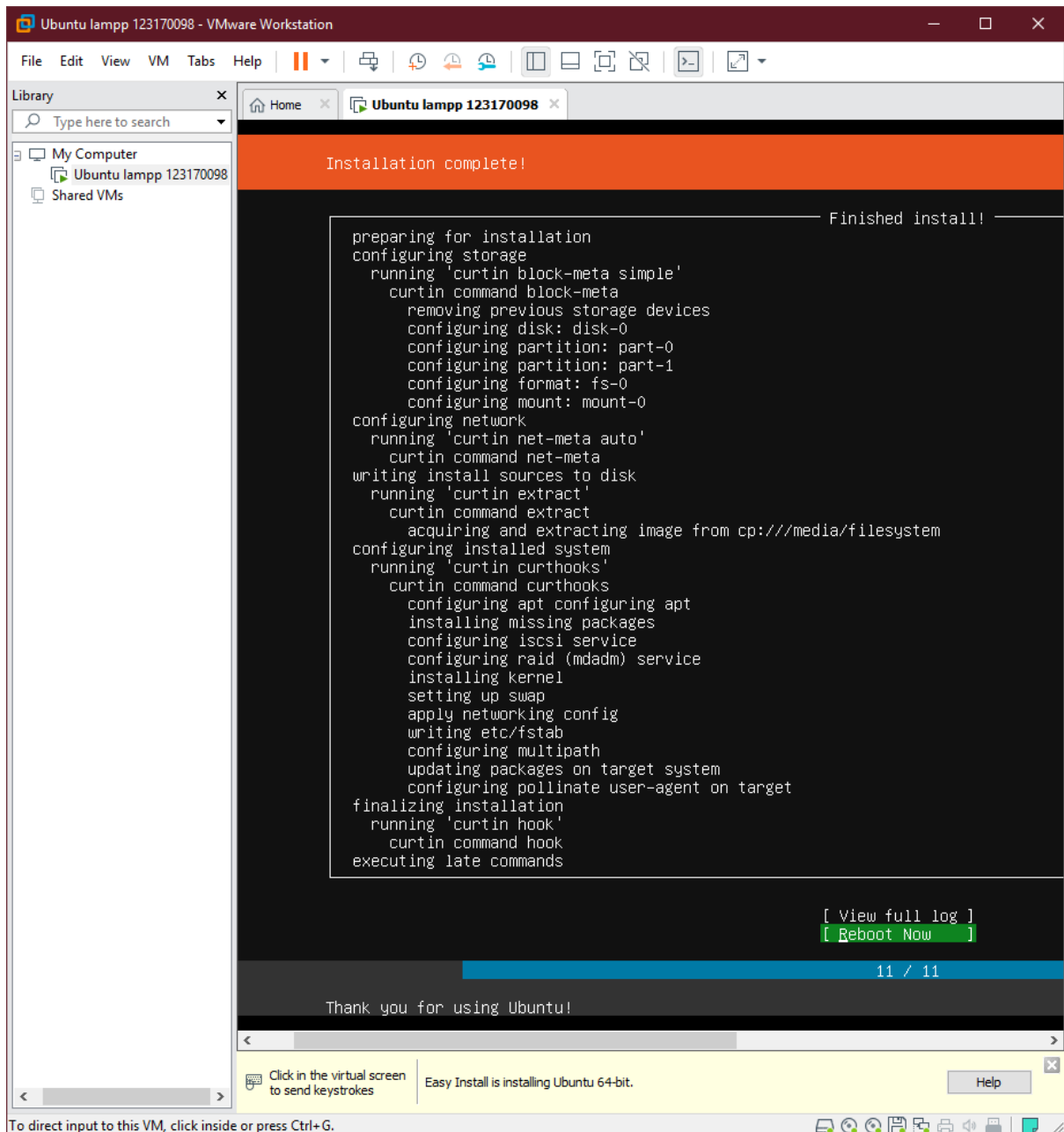
Klik continue.



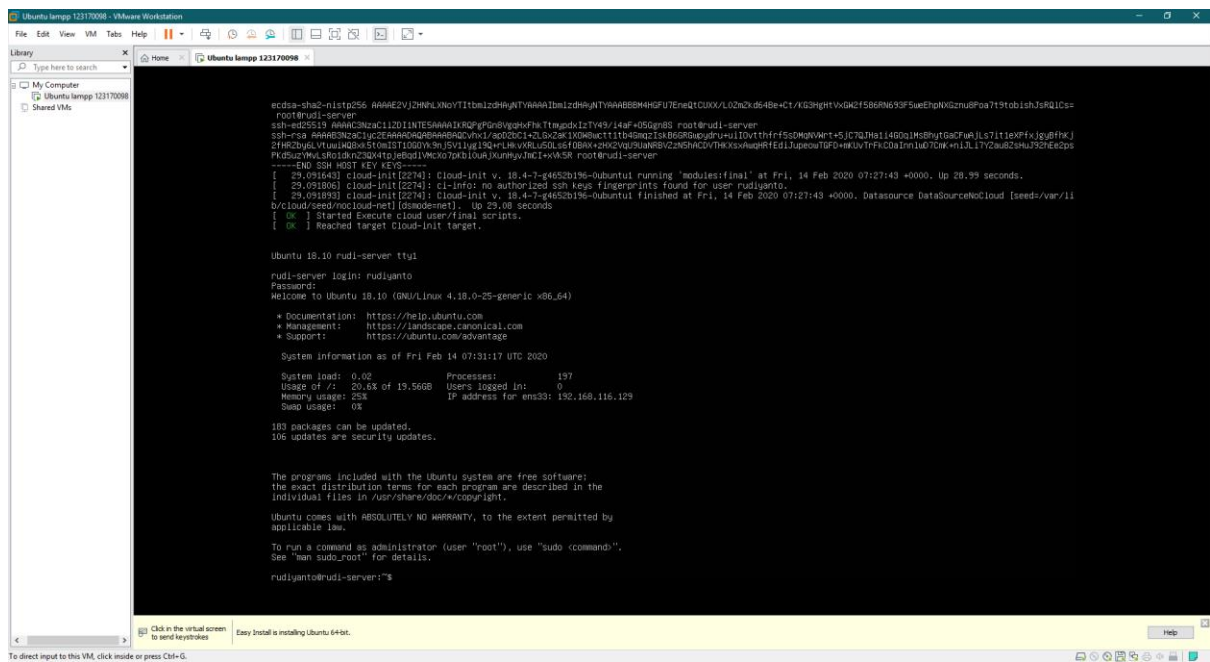
Isi data diri, dan ingat-ingat username dan passwordnya.



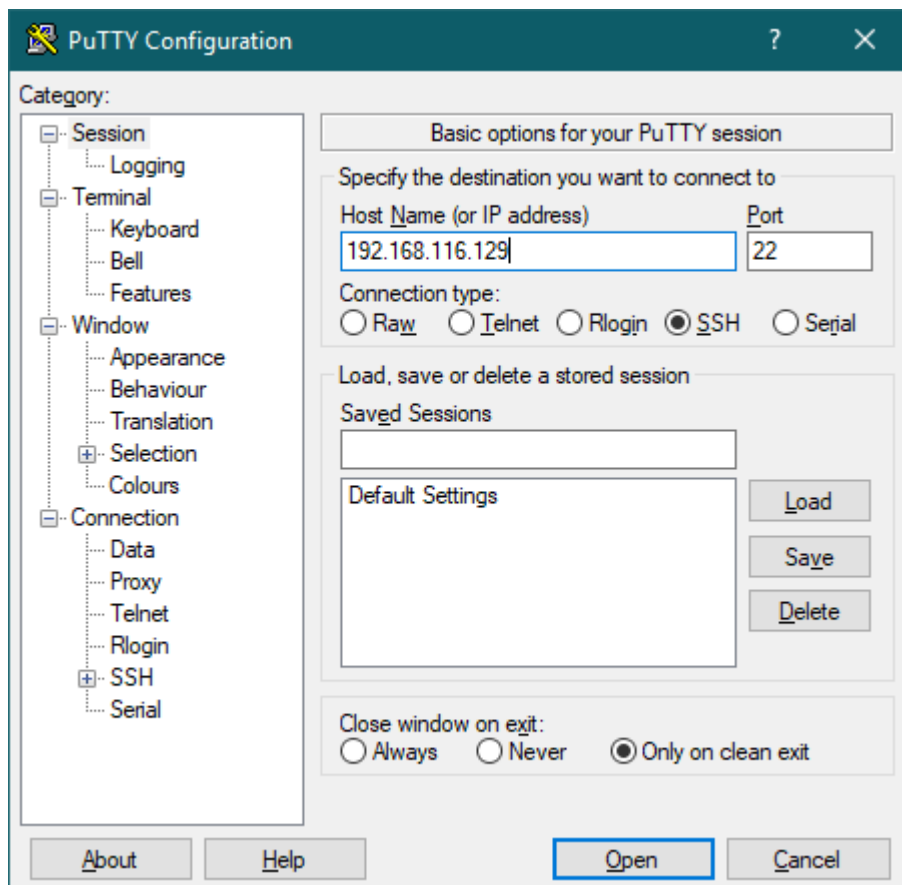
Klik done.



Klik reroot now.



Kita akan remot menggunakan aplikasi putty, lihat ip yang tertera pada VM dan masukkan pada aplikasi putty.



Klik open. Kemudian login dengan username dan password yang tadi.

1. Perintah "ls" digunakan untuk menampilkan file dan folder yang ada, karena belum ada file apapun makanya tidak ada tampilan apapun.

```
rudiyanto@rudi-server: ~  
login as: rudiyanto  
rudiyanto@192.168.116.129's password:  
Access denied  
rudiyanto@192.168.116.129's password:  
Welcome to Ubuntu 18.10 (GNU/Linux 4.18.0-25-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Fri Feb 14 07:36:16 UTC 2020  
  
System load:  0.0           Processes:      161  
Usage of /:   20.6% of 19.56GB   Users logged in:  1  
Memory usage: 25%           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.  
  
Last login: Fri Feb 14 07:31:16 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
rudiyanto@rudi-server:~$ ls  
rudiyanto@rudi-server:~$
```

2. Perintah "mkdir" digunakan untuk membuat folder"

```
rudyanto@rudi-server: ~  
Access denied  
rudyanto@192.168.116.129's password:  
Welcome to Ubuntu 18.10 (GNU/Linux 4.18.0-25-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Fri Feb 14 07:36:16 UTC 2020  
  
System load:  0.0               Processes:            161  
Usage of /:   20.6% of 19.56GB   Users logged in:     1  
Memory usage: 25%               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.  
  
Last login: Fri Feb 14 07:31:16 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
rudyanto@rudi-server:~$ ls  
rudyanto@rudi-server:~$ mkdir pertemuan-2  
rudyanto@rudi-server:~$
```

3. Perintah "ls -l" digunakan untuk menampilkan folder dan data dari folder seperti nama pembuat dan kapan dibuatnya.

```
rudyanto@rudi-server: ~  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Fri Feb 14 07:36:16 UTC 2020  
  
System load:  0.0           Processes:            161  
Usage of /:   20.6% of 19.56GB Users logged in:       1  
Memory usage: 25%          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.  
  
Last login: Fri Feb 14 07:31:16 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
rudyanto@rudi-server:~$ ls  
rudyanto@rudi-server:~$ mkdir pertemuan-2  
rudyanto@rudi-server:~$ ls -l  
total 4  
drwxrwxr-x 2 rudyanto rudyanto 4096 Feb 14 07:38 pertemuan-2  
rudyanto@rudi-server:~$
```

4. Perintah "cp" digunakan untuk copy, disini folder pertemuan 2 dicopy menjadi pertemuan 1

```
rudyanto@rudi-server: ~  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Fri Feb 14 07:36:16 UTC 2020  
  
System load:  0.0          Processes:            161  
Usage of /:   20.6% of 19.56GB  Users logged in:     1  
Memory usage: 25%          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.  
  
Last login: Fri Feb 14 07:31:16 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
rudyanto@rudi-server:~$ ls  
rudyanto@rudi-server:~$ mkdir pertemuan-2  
rudyanto@rudi-server:~$ ls -l  
total 4  
drwxrwxr-x 2 rudyanto rudyanto 4096 Feb 14 07:38 pertemuan-2  
rudyanto@rudi-server:~$ cp -r pertemuan-2 pertemuan-1  
rudyanto@rudi-server:~$
```

5. Jadi sekarang sudah terdapat 2 folder, yaitu pertemuan 1 dan 2

```
rudyanto@rudi-server: ~  
* Support:      https://ubuntu.com/advantage  
  
System information as of Fri Feb 14 07:36:16 UTC 2020  
  
System load:  0.0          Processes:           161  
Usage of /:   20.6% of 19.56GB  Users logged in:    1  
Memory usage: 25%          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.  
  
Last login: Fri Feb 14 07:31:16 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
rudyanto@rudi-server:~$ ls  
rudyanto@rudi-server:~$ mkdir pertemuan-2  
rudyanto@rudi-server:~$ ls -l  
total 4  
drwxrwxr-x 2 rudyanto rudyanto 4096 Feb 14 07:38 pertemuan-2  
rudyanto@rudi-server:~$ cp -r pertemuan-2 pertemuan-1  
rudyanto@rudi-server:~$ ls  
pertemuan-1  pertemuan-2  
rudyanto@rudi-server:~$
```

6. Perintah “mv” digunakan untuk ganti nama folder atau file. Disini folder pertemuan 2 diganti menjadi pertemuan 2 lampp

```
rudyanto@rudi-server: ~  
  
System information as of Fri Feb 14 07:36:16 UTC 2020  
  
System load:  0.0                Processes:            161  
Usage of /:   20.6% of 19.56GB   Users logged in:    1  
Memory usage: 25%              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.  
  
Last login: Fri Feb 14 07:31:16 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
rudyanto@rudi-server:~$ ls  
rudyanto@rudi-server:~$ mkdir pertemuan-2  
rudyanto@rudi-server:~$ ls -l  
total 4  
drwxrwxr-x 2 rudyanto rudyanto 4096 Feb 14 07:38 pertemuan-2  
rudyanto@rudi-server:~$ cp -r pertemuan-2 pertemuan-1  
rudyanto@rudi-server:~$ ls  
pertemuan-1  pertemuan-2  
rudyanto@rudi-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
rudyanto@rudi-server:~$
```

7. M dapat dilihat folder pertemuan 2 sudah berganti nama

```
rudyanto@rudi-server: ~  
  
System load: 0.0          Processes:          161  
Usage of /: 20.6% of 19.56GB Users logged in:    1  
Memory usage: 25%        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.  
  
Last login: Fri Feb 14 07:31:16 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
rudyanto@rudi-server:~$ ls  
rudyanto@rudi-server:~$ mkdir pertemuan-2  
rudyanto@rudi-server:~$ ls -l  
total 4  
drwxrwxr-x 2 rudyanto rudyanto 4096 Feb 14 07:38 pertemuan-2  
rudyanto@rudi-server:~$ cp -r pertemuan-2 pertemuan-1  
rudyanto@rudi-server:~$ ls  
pertemuan-1  pertemuan-2  
rudyanto@rudi-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"  
rudyanto@rudi-server:~$ ls  
pertemuan-1  'pertemuan 2 LAMPP'  
rudyanto@rudi-server:~$
```


8. "cd" digunakan untuk pindah direktori, disini kita akan masuk pada direktori pertemuan 2 lampp

```
rudyanto@rudi-server: ~/pertemuan 2 LAMPP
System load:  0.0          Processes:      161
Usage of /:   20.6% of 19.56GB  Users logged in:  1
Memory usage: 25%          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.

Last login: Fri Feb 14 07:31:16 2020
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

rudyanto@rudi-server:~$ ls
rudyanto@rudi-server:~$ mkdir pertemuan-2
rudyanto@rudi-server:~$ ls -l
total 4
drwxrwxr-x 2 rudyanto rudyanto 4096 Feb 14 07:38 pertemuan-2
rudyanto@rudi-server:~$ cp -r pertemuan-2 pertemuan-1
rudyanto@rudi-server:~$ ls
pertemuan-1  pertemuan-2
rudyanto@rudi-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"
rudyanto@rudi-server:~$ ls
pertemuan-1  'pertemuan 2 LAMPP'
rudyanto@rudi-server:~$ cd "pertemuan 2 LAMPP"/
rudyanto@rudi-server:~/pertemuan 2 LAMPP$
```

9. Nano digunakan untuk membuat file baru dan diikuti nama file beserta ekstensinya.

```
rudyanto@rudi-server: ~/pertemuan 2 LAMPP
Usage of /: 20.6% of 19.56GB  Users logged in: 1
Memory usage: 25%          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.

Last login: Fri Feb 14 07:31:16 2020
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

rudyanto@rudi-server:~$ ls
rudyanto@rudi-server:~$ mkdir pertemuan-2
rudyanto@rudi-server:~$ ls -l
total 4
drwxrwxr-x 2 rudyanto rudyanto 4096 Feb 14 07:38 pertemuan-2
rudyanto@rudi-server:~$ cp -r pertemuan-2 pertemuan-1
rudyanto@rudi-server:~$ ls
pertemuan-1  pertemuan-2
rudyanto@rudi-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"
rudyanto@rudi-server:~$ ls
pertemuan-1  'pertemuan 2 LAMPP'
rudyanto@rudi-server:~$ cd "pertemuan 2 LAMPP"/
rudyanto@rudi-server:~/pertemuan 2 LAMPP$ nano biodata.txt
rudyanto@rudi-server:~/pertemuan 2 LAMPP$
```

10. Melihat data dari file biodata.txt

```
rudyanto@rudi-server: ~/pertemuan 2 LAMPP
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.

Last login: Fri Feb 14 07:31:16 2020
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

rudyanto@rudi-server:~$ ls
rudyanto@rudi-server:~$ mkdir pertemuan-2
rudyanto@rudi-server:~$ ls -l
total 4
drwxrwxr-x 2 rudyanto rudyanto 4096 Feb 14 07:38 pertemuan-2
rudyanto@rudi-server:~$ cp -r pertemuan-2 pertemuan-1
rudyanto@rudi-server:~$ ls
pertemuan-1  pertemuan-2
rudyanto@rudi-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"
rudyanto@rudi-server:~$ ls
pertemuan-1  'pertemuan 2 LAMPP'
rudyanto@rudi-server:~$ cd "pertemuan 2 LAMPP"/
rudyanto@rudi-server:~/pertemuan 2 LAMPP$ nano biodata.txt
rudyanto@rudi-server:~/pertemuan 2 LAMPP$ ls -l
total 4
-rw-rw-r-- 1 rudyanto rudyanto 10 Feb 14 07:43 biodata.txt
rudyanto@rudi-server:~/pertemuan 2 LAMPP$
```

11. "cat" untuk melihat isi dari file biodata.txt

```
rudiyanto@rudi-server: ~/pertemuan 2 LAMPP
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.

Last login: Fri Feb 14 07:31:16 2020
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

rudiyanto@rudi-server:~$ ls
rudiyanto@rudi-server:~$ mkdir pertemuan-2
rudiyanto@rudi-server:~$ ls -l
total 4
drwxrwxr-x 2 rudiyanto rudiyanto 4096 Feb 14 07:38 pertemuan-2
rudiyanto@rudi-server:~$ cp -r pertemuan-2 pertemuan-1
rudiyanto@rudi-server:~$ ls
pertemuan-1  pertemuan-2
rudiyanto@rudi-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"
rudiyanto@rudi-server:~$ ls
pertemuan-1  'pertemuan 2 LAMPP'
rudiyanto@rudi-server:~$ cd "pertemuan 2 LAMPP"/
rudiyanto@rudi-server:~/pertemuan 2 LAMPP$ nano biodata.txt
rudiyanto@rudi-server:~/pertemuan 2 LAMPP$ ls -l
total 4
-rw-rw-r-- 1 rudiyanto rudiyanto 10 Feb 14 07:43 biodata.txt
rudiyanto@rudi-server:~/pertemuan 2 LAMPP$ cat biodata.txt
123170098
rudiyanto@rudi-server:~/pertemuan 2 LAMPP$
```

rudyanto@rudi-server: ~/pertemuan 2 LAMPP

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.

Last login: Fri Feb 14 07:31:16 2020
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

```
rudyanto@rudi-server:~$ ls
rudyanto@rudi-server:~$ mkdir pertemuan-2
rudyanto@rudi-server:~$ ls -l
total 4
drwxrwxr-x 2 rudyanto rudyanto 4096 Feb 14 07:38 pertemuan-2
rudyanto@rudi-server:~$ cp -r pertemuan-2 pertemuan-1
rudyanto@rudi-server:~$ ls
pertemuan-1  pertemuan-2
rudyanto@rudi-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"
rudyanto@rudi-server:~$ ls
pertemuan-1  'pertemuan 2 LAMPP'
rudyanto@rudi-server:~$ cd "pertemuan 2 LAMPP"/
rudyanto@rudi-server:~/pertemuan 2 LAMPP$ nano biodata.txt
rudyanto@rudi-server:~/pertemuan 2 LAMPP$ ls -l
total 4
-rw-rw-r-- 1 rudyanto rudyanto 10 Feb 14 07:43 biodata.txt
rudyanto@rudi-server:~/pertemuan 2 LAMPP$ cat biodata.txt
123170098
rudyanto@rudi-server:~/pertemuan 2 LAMPP$ nano biodata.txt
rudyanto@rudi-server:~/pertemuan 2 LAMPP$
```

rudiyanto@rudi-server: ~/pertemuan 2 LAMPP

```
rudiyanto@rudi-server:~$ mv pertemuan-2 "pertemuan 2 LAMPP"
rudiyanto@rudi-server:~$ ls
pertemuan-1  'pertemuan 2 LAMPP'
rudiyanto@rudi-server:~$ cd "pertemuan 2 LAMPP"/
rudiyanto@rudi-server:~/pertemuan 2 LAMPP$ nano biodata.txt
rudiyanto@rudi-server:~/pertemuan 2 LAMPP$ ls -l
total 4
-rw-rw-r-- 1 rudiyanto rudiyanto 10 Feb 14 07:43 biodata.txt
rudiyanto@rudi-server:~/pertemuan 2 LAMPP$ cat biodata.txt
123170098
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rudiyanto@rudi-server:~/pertemuan 2 LAMPP$ cat biodata.txt
123170098
1
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19
20
rudiyanto@rudi-server:~/pertemuan 2 LAMPP$ tail biodata.txt
```

```
rudiyanto@rudi-server: ~/pertemuan 2 LAMPP
rudiyanto@rudi-server:~/pertemuan 2 LAMPP$ cat biodata.txt
123170098
1
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rudiyanto@rudi-server:~/pertemuan 2 LAMPP$ tail biodata.txt
11
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20
rudiyanto@rudi-server:~/pertemuan 2 LAMPP$
```