

PRETEST

1. Hosting lokal tanpa cloud adalah metode hosting web yang hanya bisa di akses di lingkup jaringan kecil dan hanya bisa di akses pada jaringan yang sama. Sehingga web hosting lokal tidak bisa diakses dengan jaringan lain walaupun si pengakses web berada pada daerah jaringan tersebut.
2. -Langkah pertama adalah menyiapkan kodingan web yang akan di hosting
 - Buka web vendor 000webhost dan buatlah akun untuk memulai menghosting
 - Setelah akun terbuat silakan login
 - Pada menu utama, pilih menu hosting langkah awal adalah menentukan alamat url web yang akan dihosting. Contoh : contohhosting.000webhostapp.com
 - Setelah itu akan disediakan beberapa menu. Pilih menu File Manager. Didalam menu tersebut Anda akan diminta untuk mengupload kodingan web dan mengatur database.
 - Yang pertama adalah mengupload kodingan. Kodingan web sebelumnya di ubah menjadi file winrar. Setelah itu klik tombol Upload dan mulai lah upload kodingan yang sudah di winrar tadi. Setelah itu klik extract di dan kodingan sudah berada di cloud 000webhost
 - Setelah itu import database web kedalam 000webhost melalui menu database manager.
3. Hosting cloud ada 2 versi ada yang layanan hosting berbayar maupun gratis. Contoh yang Gratis adalah vendor 000webhost. Namun layanan hosting berbayar memiliki banyak Kelebihan salah satunya adalah ukuran database yang disediakan dan ketahanan server Yang disediakan.

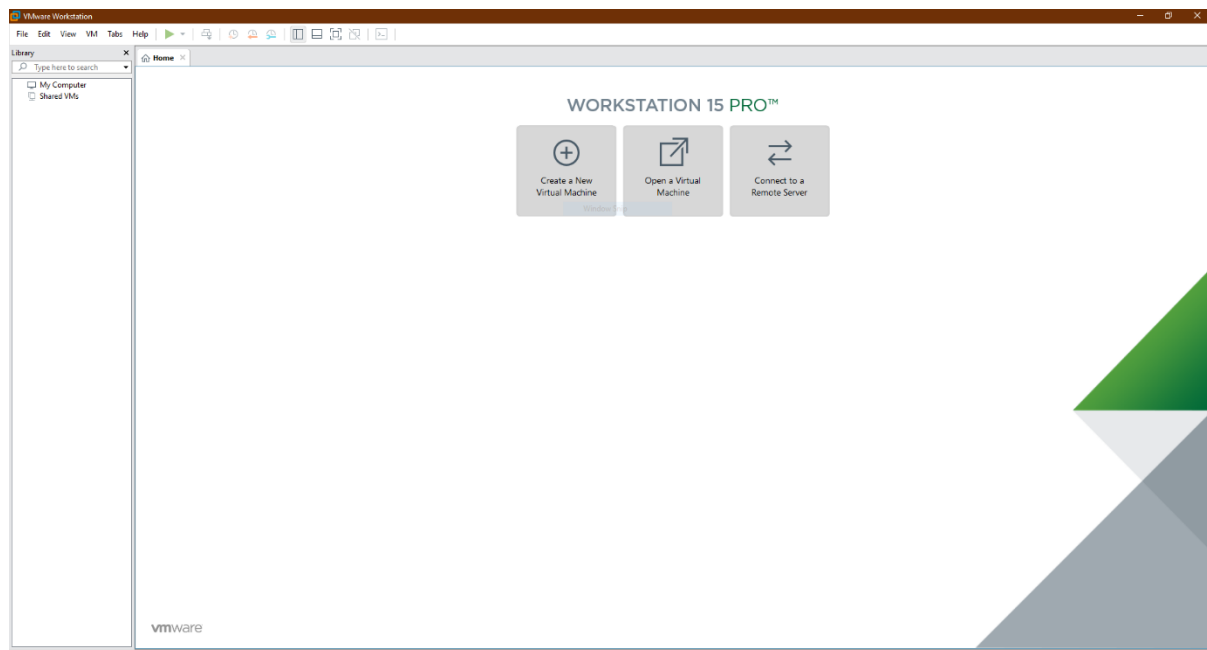
A. Pengenalan VMWare

VMware workstation digunakan untuk memvirtualisasi sistem operasi. Berguna untuk memvirtualisasikan memori dalam penginstalan sistem operasi

Jika RAM pengguna tidak cukup bisa di akali dengan setingan Reserved Memory di Edit-Preferences-Memory

Pembuatan VM

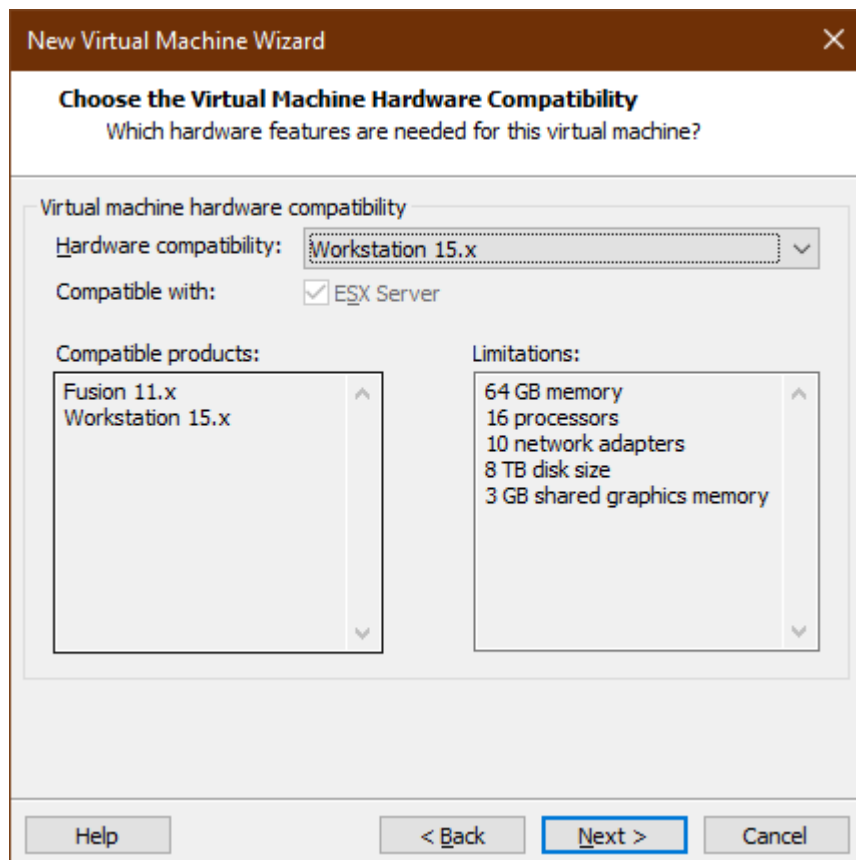
1. CTRL+N



2. Pilih Custom



3. Karena ingin pakai ubuntu versi baru maka hardware compatability pilih yang terbaru



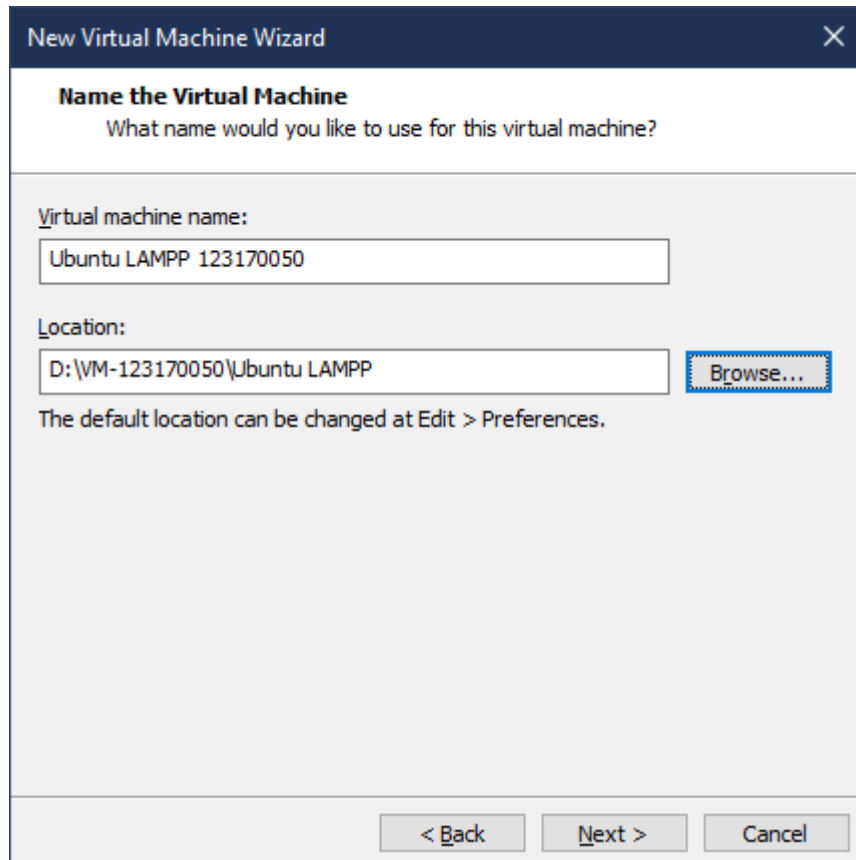
4. Pilih ISO OS Ubuntu yang akan digunakan dengan menekan tombol browse dan arahkan pada direktori ISO

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Guest Operating System Installation' step. The window title is 'New Virtual Machine Wizard'. Below the title bar, the section is 'Guest Operating System Installation' with a subtitle: 'A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?'. The 'Install from:' section has three radio button options. The first is 'Installer disc:', with a dropdown menu showing 'DVD RW Drive (F:)'. The second is 'Installer disc image file (iso):', which is selected. It has a text box containing 'C:\ISO Library\ubuntu-18.10-live-server-amd64.iso' and a 'Browse...' button. Below this, an information icon and text state: 'Ubuntu 64-bit Server 18.10 detected. This operating system will use Easy Install. (What's this?)'. The third option is 'I will install the operating system later.', with a note: 'The virtual machine will be created with a blank hard disk.' At the bottom, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

5. Isi form terserah karena tidak akan terpakai

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Easy Install Information' step. The window title is 'New Virtual Machine Wizard'. Below the title bar, the section is 'Easy Install Information' with a subtitle: 'This is used to install Ubuntu 64-bit.' The 'Personalize Linux' section contains four text input fields: 'Full name:' with the value 'Fiki Syihab Irawan', 'User name:' with the value 'fiki', 'Password:' with four dots, and 'Confirm:' with four dots. At the bottom, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

6. Beri nama virtual mechine dan tentukan lokasi



The screenshot shows the 'New Virtual Machine Wizard' dialog box, specifically the 'Name the Virtual Machine' step. The title bar reads 'New Virtual Machine Wizard' with a close button. The main heading is 'Name the Virtual Machine' with the subtitle 'What name would you like to use for this virtual machine?'. Below this, there are two input fields: 'Virtual machine name:' with the text 'Ubuntu LAMPP 123170050' and 'Location:' with the text 'D:\VM-123170050\Ubuntu LAMPP'. To the right of the location field is a 'Browse...' button. Below the location field, a note states 'The default location can be changed at Edit > Preferences.' At the bottom of the dialog are three buttons: '< Back', 'Next >', and 'Cancel'.

New Virtual Machine Wizard

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

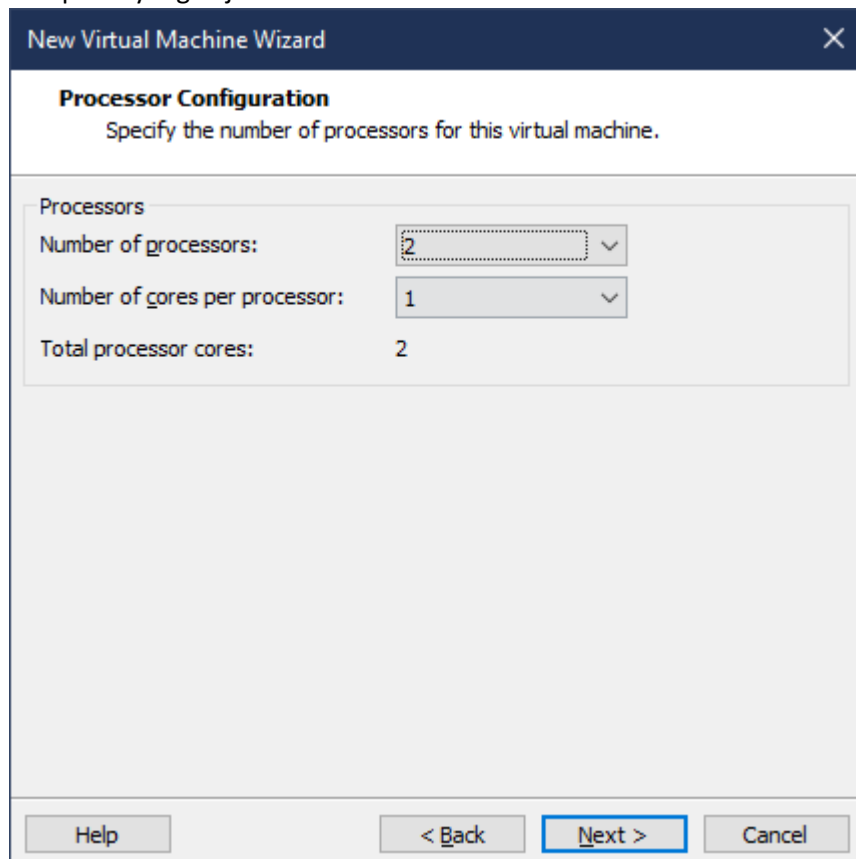
Virtual machine name:
Ubuntu LAMPP 123170050

Location:
D:\VM-123170050\Ubuntu LAMPP Browse...

The default location can be changed at Edit > Preferences.

< Back Next > Cancel

7. Pada number of processor di pilih 2 agar lebih cepat dan tidak terlalu membebani komputer yang di jadikan host



The screenshot shows the 'New Virtual Machine Wizard' dialog box, specifically the 'Processor Configuration' step. The title bar reads 'New Virtual Machine Wizard' with a close button. The main heading is 'Processor Configuration' with the subtitle 'Specify the number of processors for this virtual machine.' Below this, there are three rows of configuration options: 'Processors' (a group box), 'Number of processors:' with a dropdown menu showing '2', 'Number of cores per processor:' with a dropdown menu showing '1', and 'Total processor cores:' with the value '2'. At the bottom of the dialog are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

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

8. Pada field Memory for this virtual mechine isiskan 1gb

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.

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

9. Pakai parameter jarignan NAT

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.

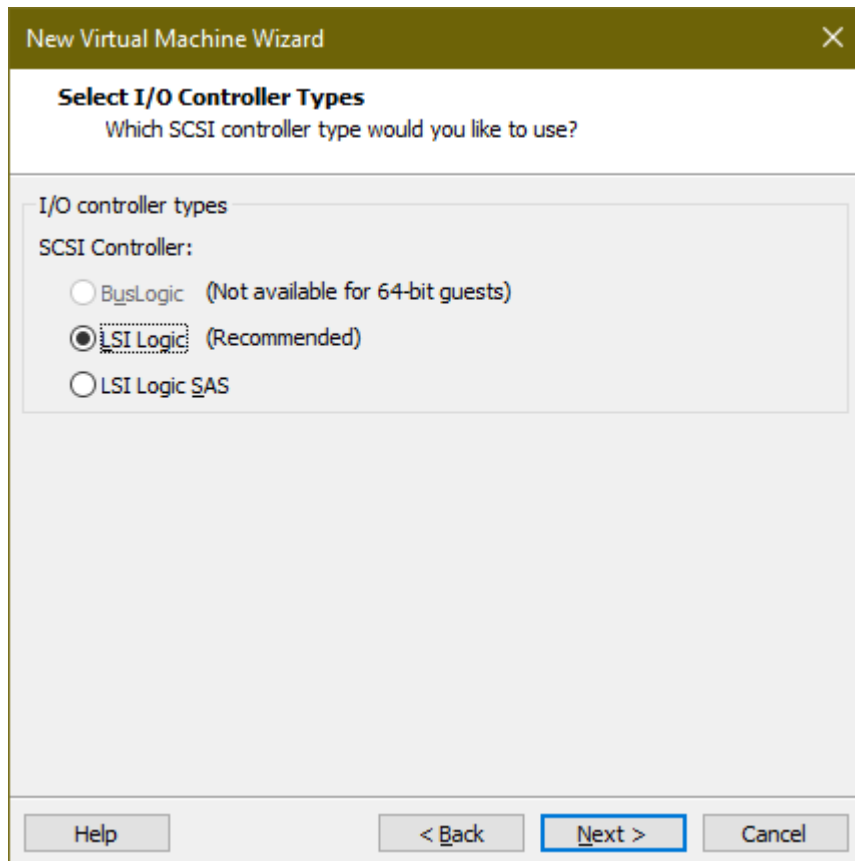
☒ Use network address translation (NAT)
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.

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

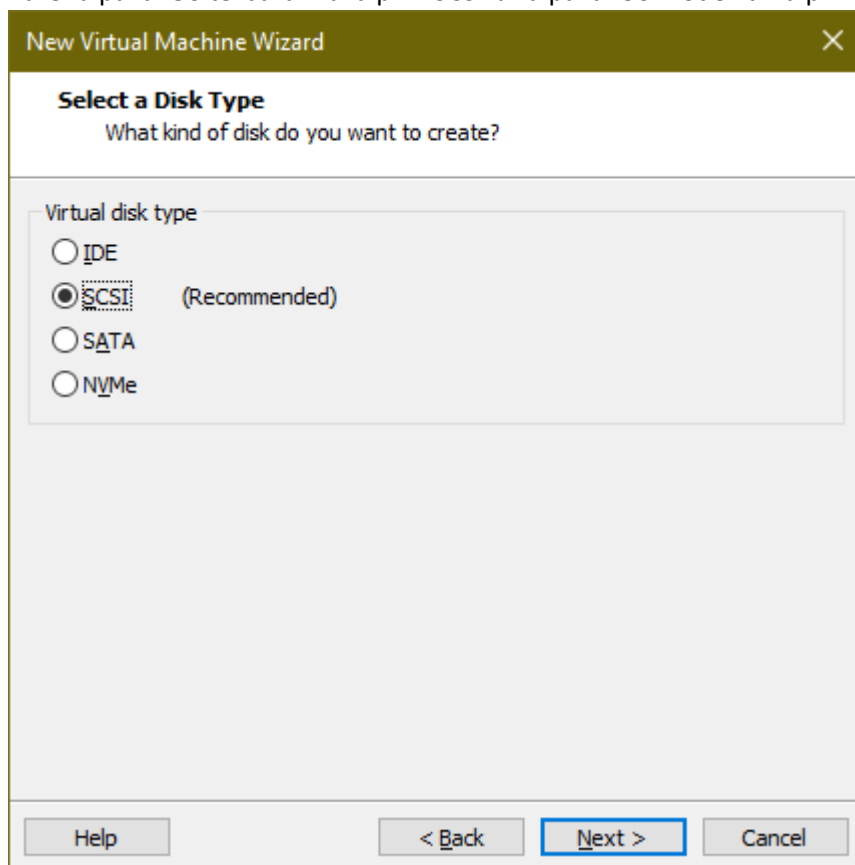
☐ Do not use a network connection

Help < Back Next > Cancel

10. Pilih LSI Logic (Recommended)



11. Karena pakai OS terbaru maka pilih SCSI. Jika pakai OS model lama pilih IDE



12. Karena sebelumnya belum punya Virtual disk maka pilih create new

13. Pilih split the disk sehingga bisa di split (20gb). Jika pilih single dalam pemindahan Data harus menyediakan flashdisk 20gb

The screenshot shows the 'Specify Disk Capacity' step of the 'New Virtual Machine Wizard'. The title bar is olive green with a close button. The main area has a light gray background. At the top, the title 'Specify Disk Capacity' is in bold, followed by the question 'How large do you want this disk to be?'. Below this, there is a text input field for 'Maximum disk size (GB):' with the value '20.0' and a spinner control. Underneath, it says 'Recommended size for Ubuntu 64-bit: 20 GB'. There are three radio button options: 'Allocate all disk space now.' (unchecked), 'Store virtual disk as a single file' (unchecked), and 'Split virtual disk into multiple files' (checked). A descriptive text for the checked option states: 'Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.' At the bottom, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

New Virtual Machine Wizard

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

Maximum disk size (GB):

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

14. Next

The screenshot shows the 'Specify Disk File' step of the 'New Virtual Machine Wizard'. The title bar is olive green with a close button. The main area has a light gray background. At the top, the title 'Specify Disk File' is in bold, followed by the question 'Where would you like to store the disk file?'. Below this, there is a section titled 'Disk file' with a text box containing 'Ubuntu LAMPP 123170050.vmdk' and a 'Browse...' button. A descriptive text 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 >', and 'Cancel'.

New Virtual Machine Wizard

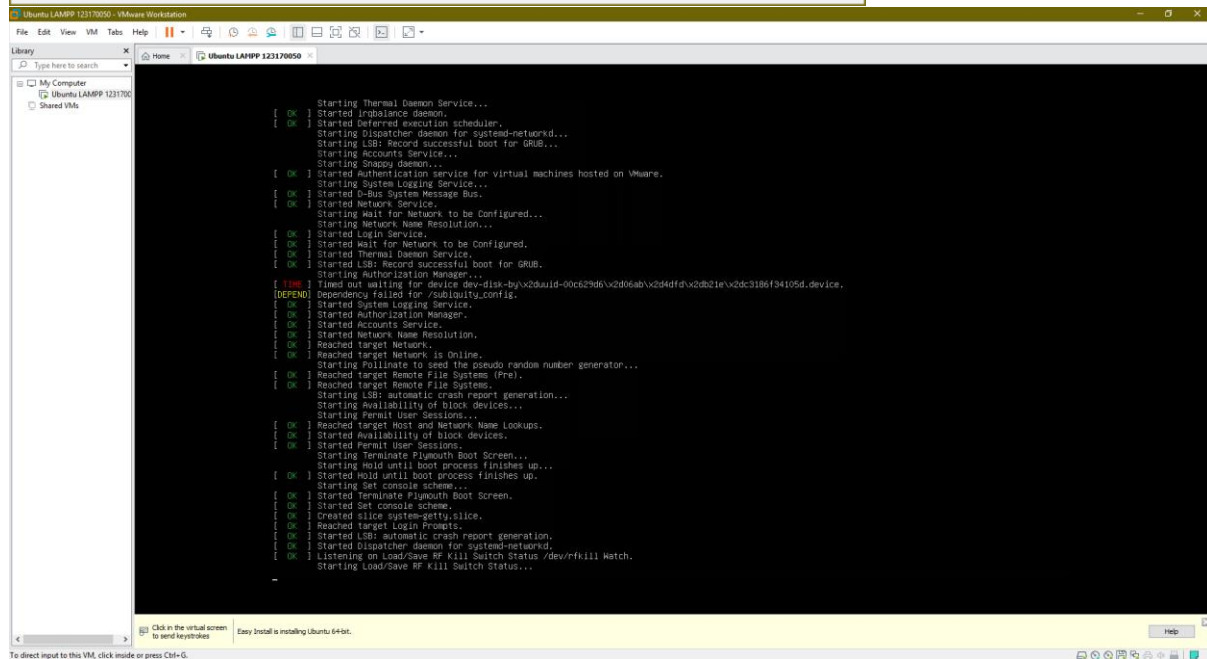
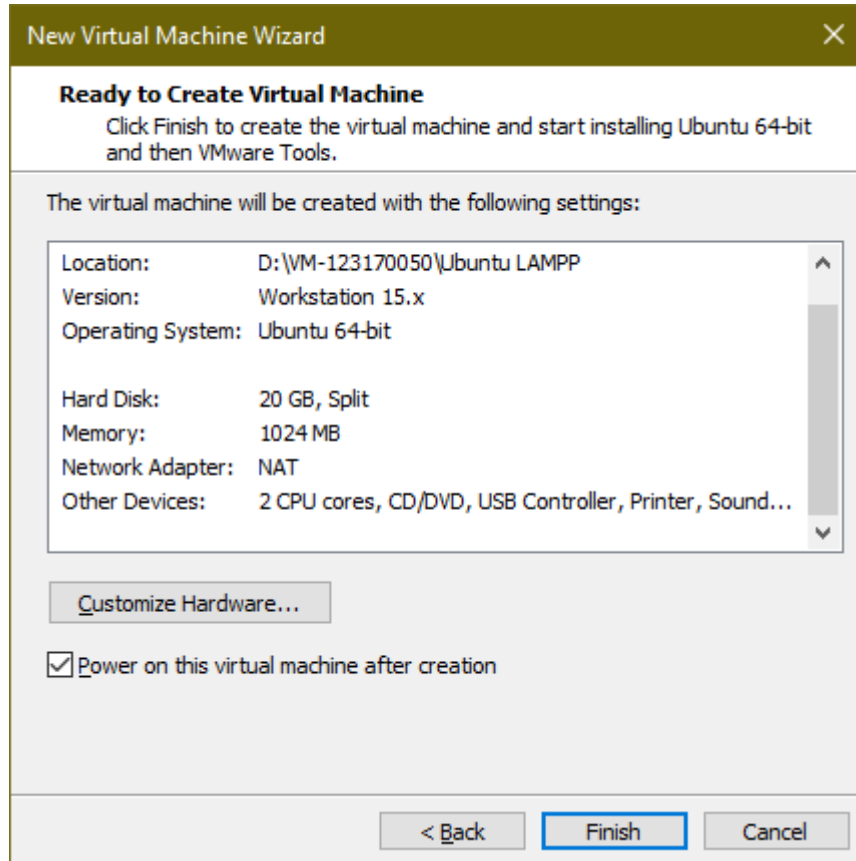
Specify Disk File
Where would you like to store the disk file?

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.

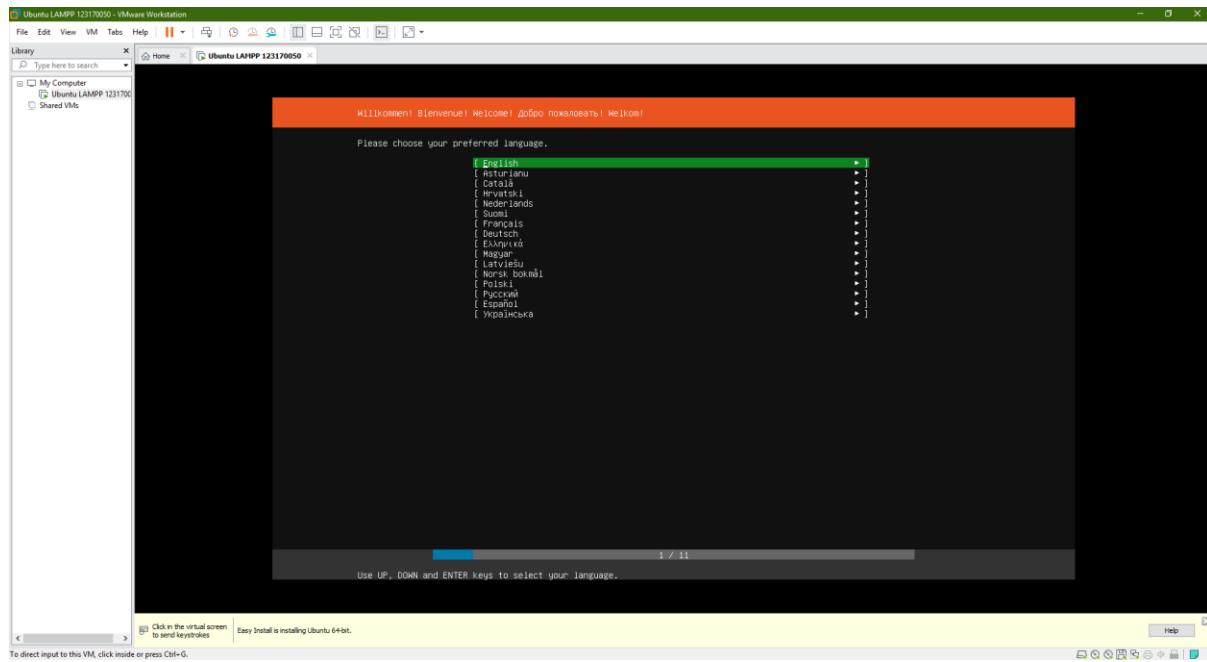
Browse...

Help < Back Next > Cancel

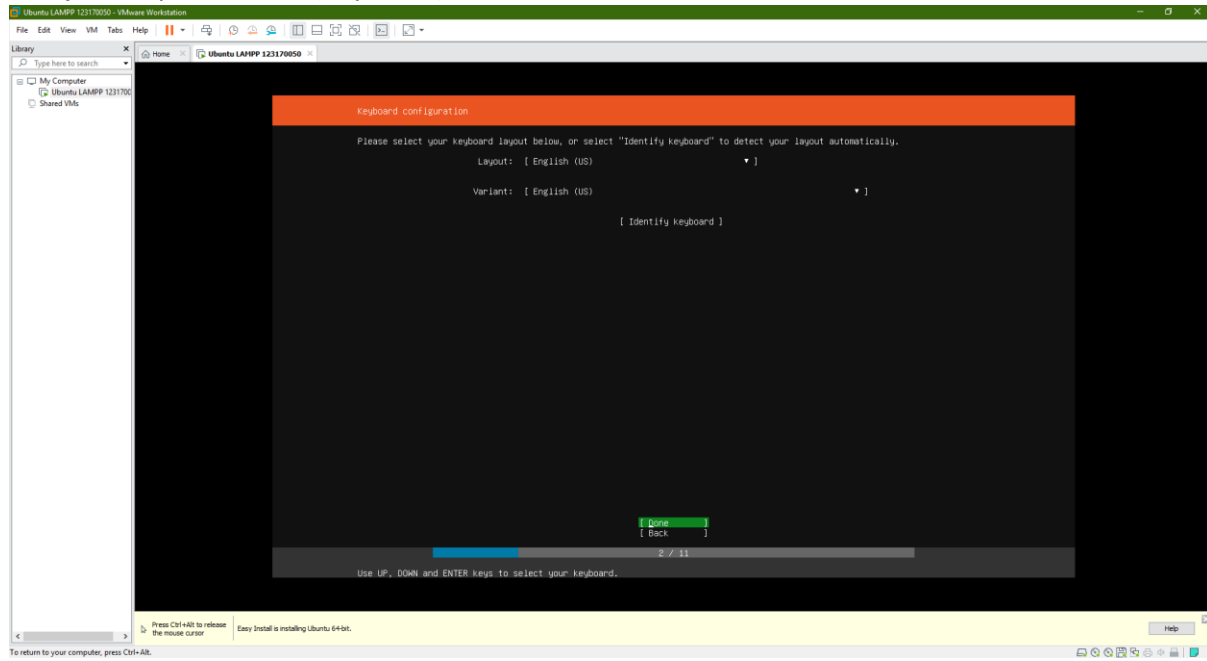
15. S



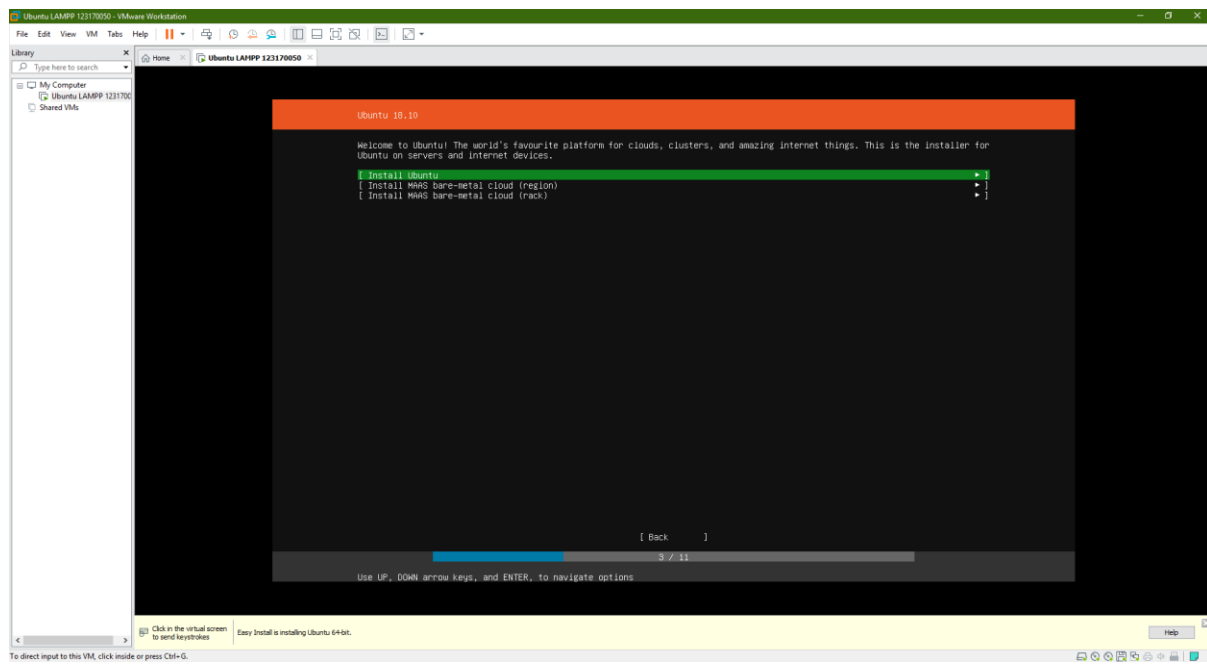
17. Interaksi = klik, keluar CTRL+ALT(BAHASA)



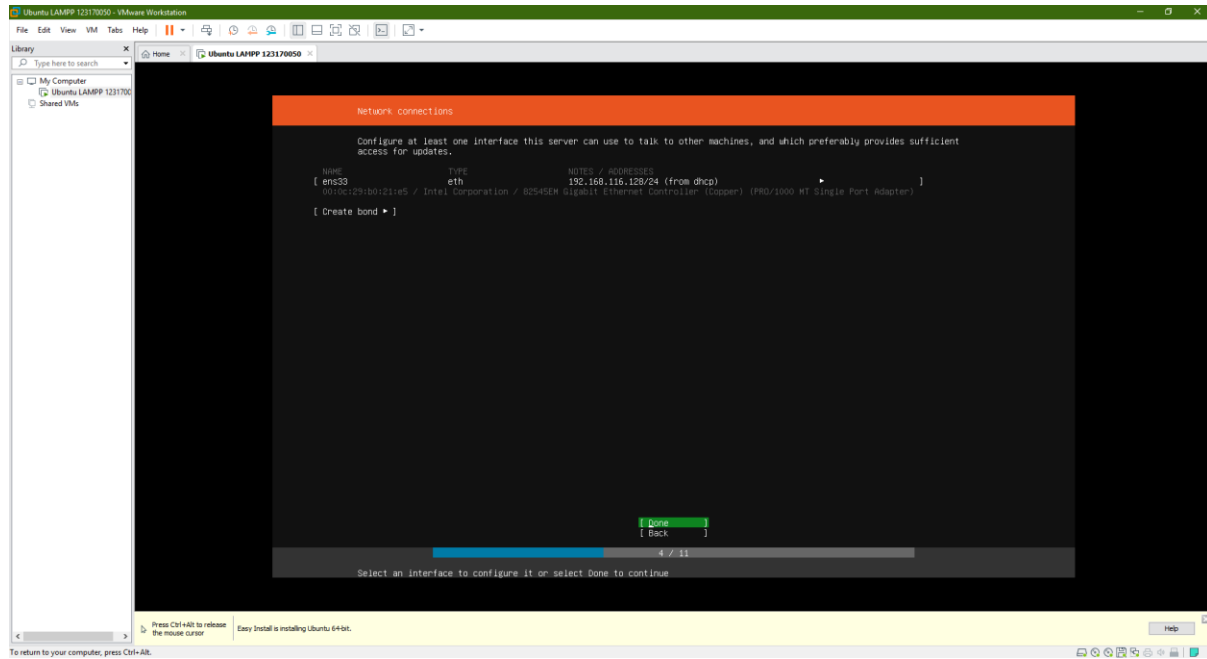
18. Pilih jenis keyboard, next (Keyboard)



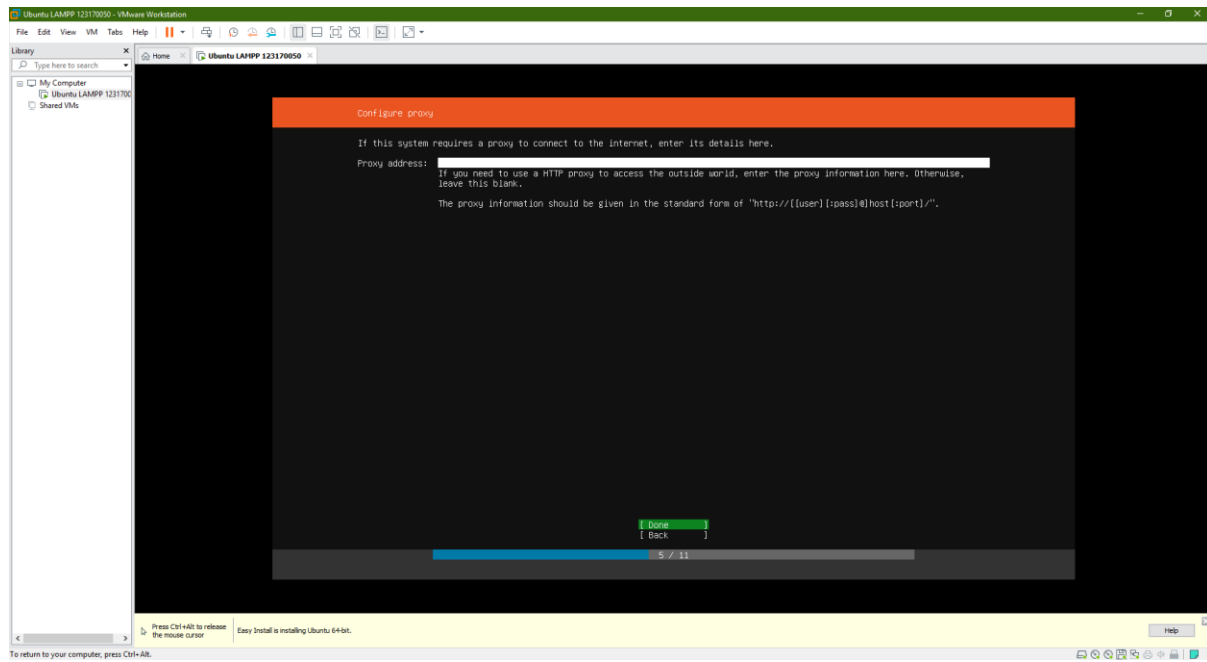
19. Instal ubuntu



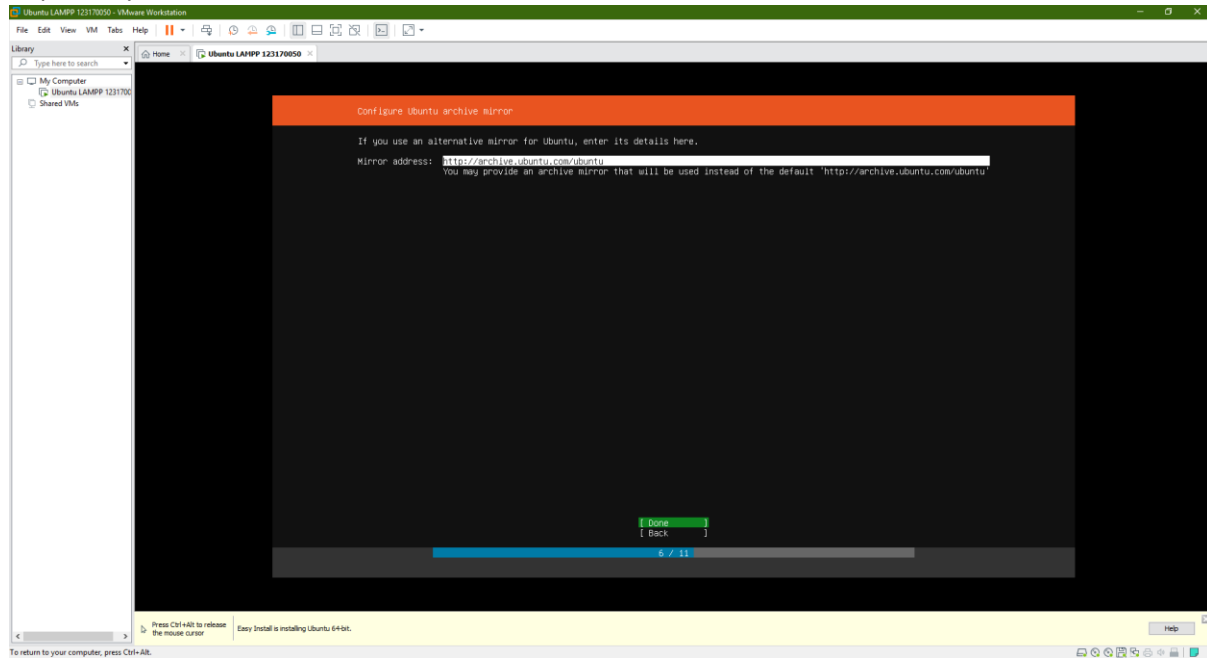
20. S



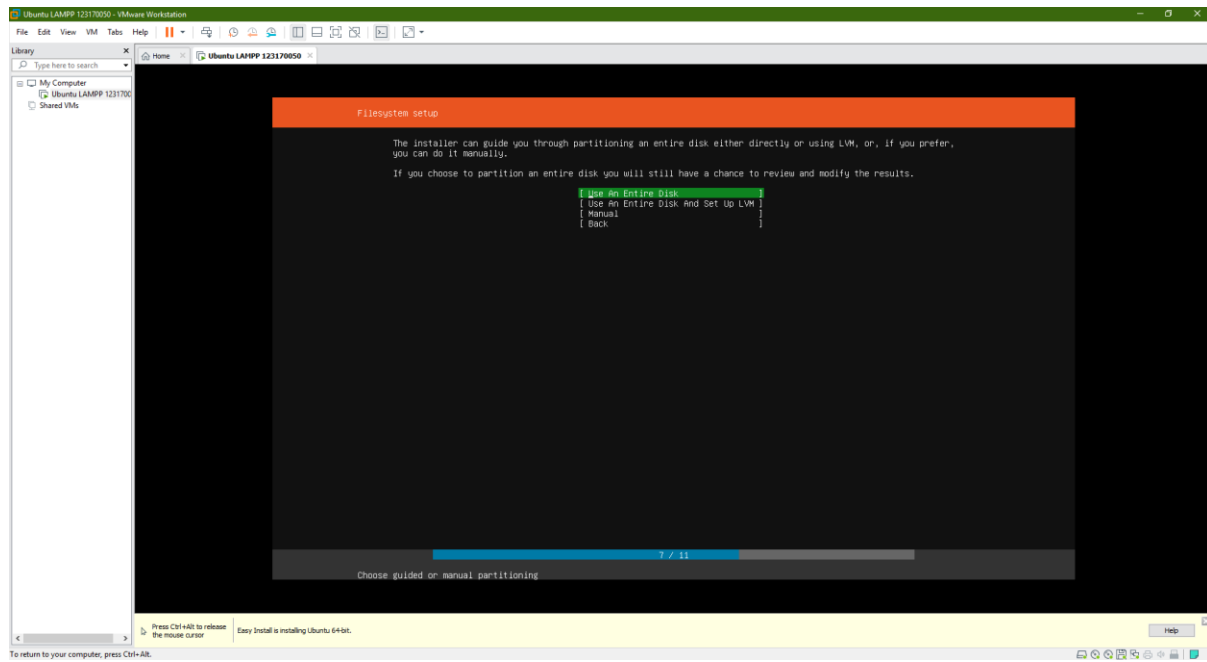
21. Karena tidak ada pengaturan proxy maka langsung next



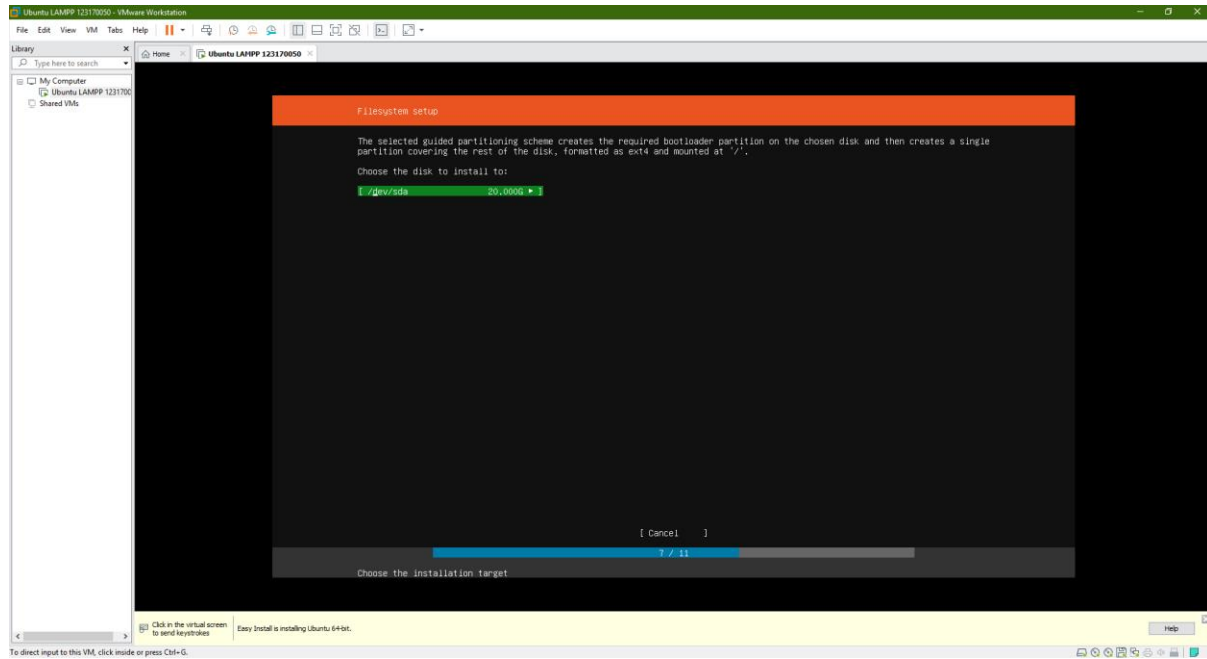
22. Repository



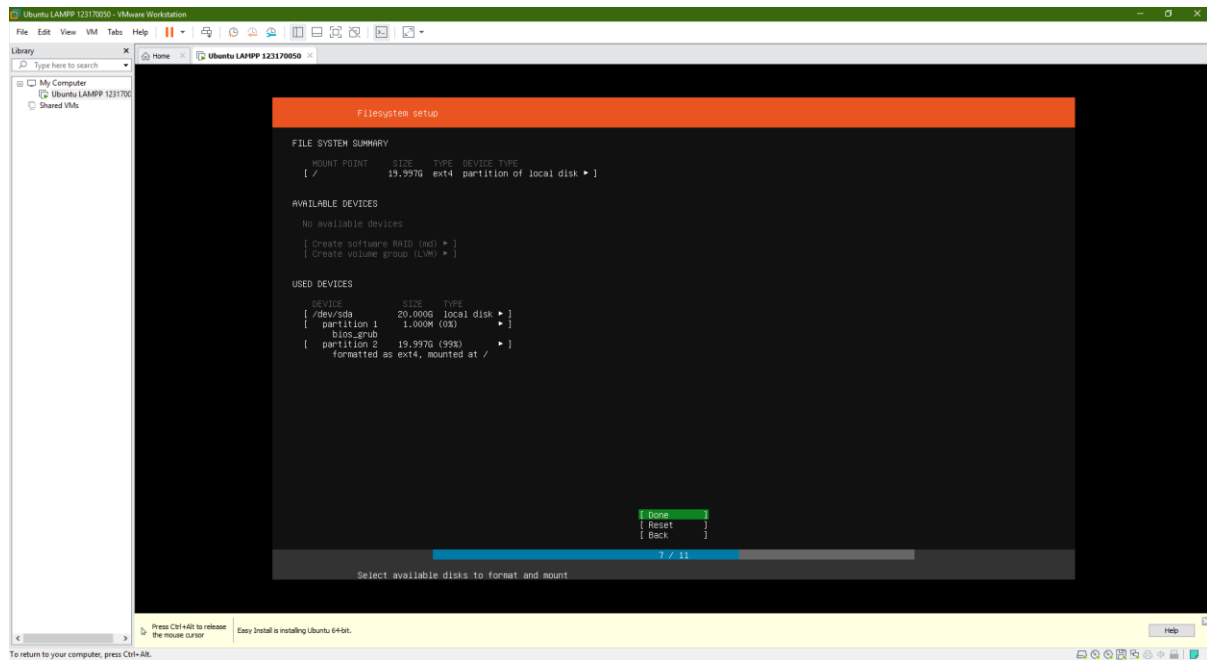
23. Pakai semua disk 20gb



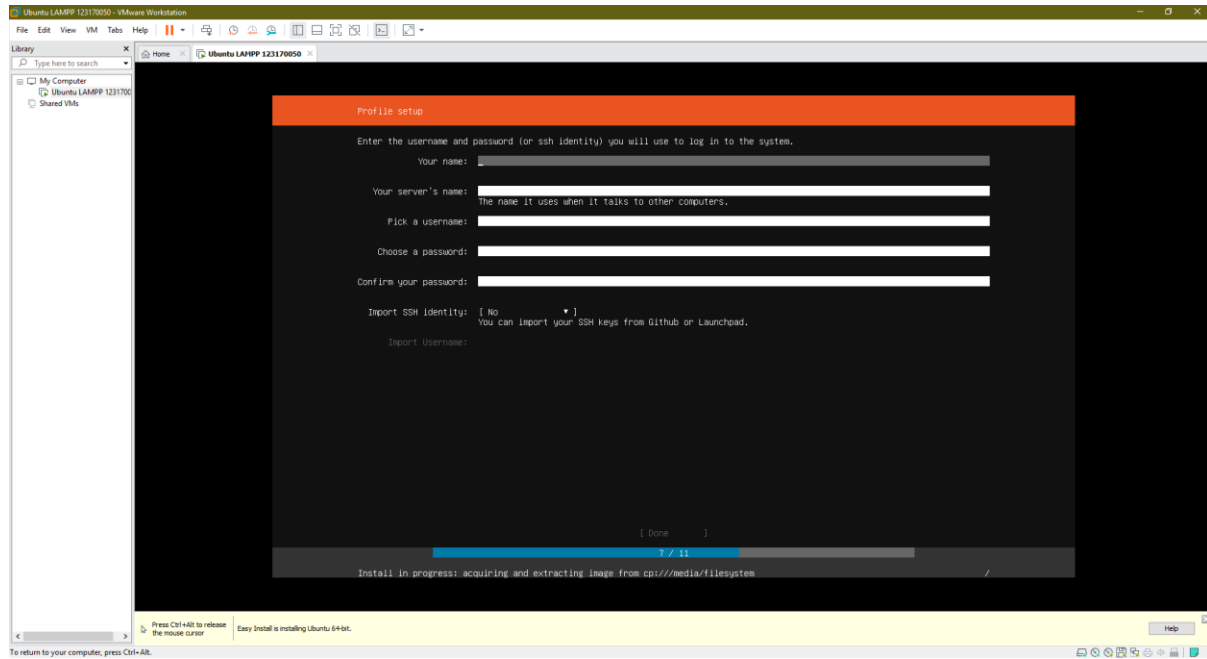
24. 24



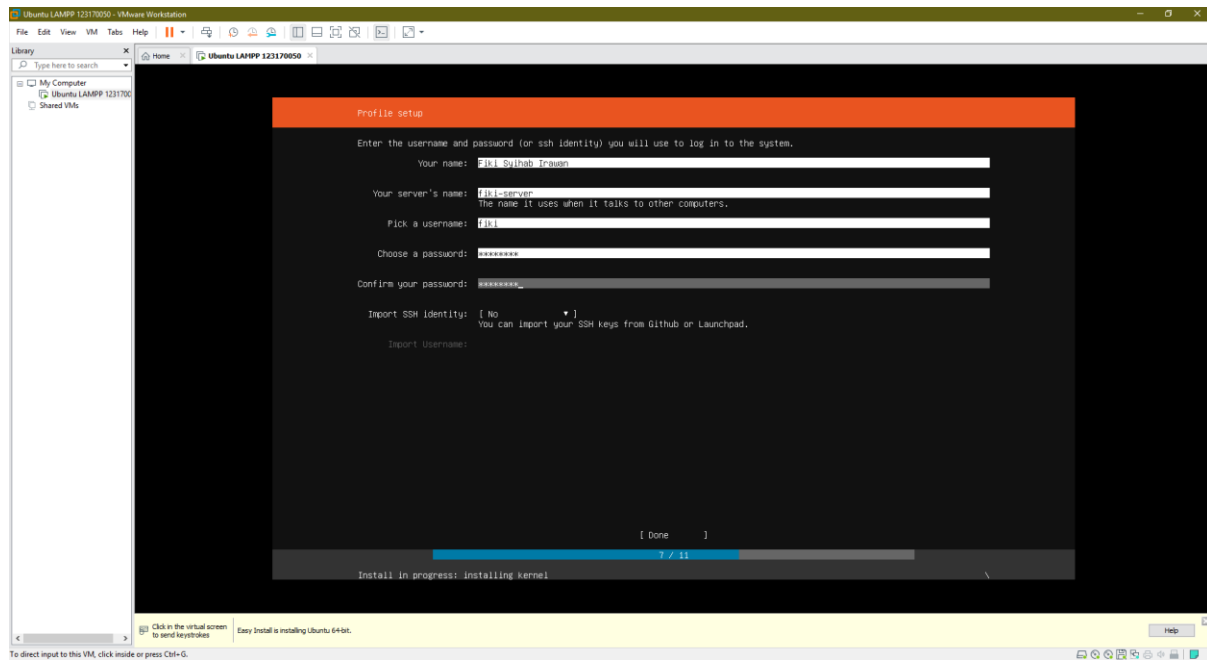
25. 25



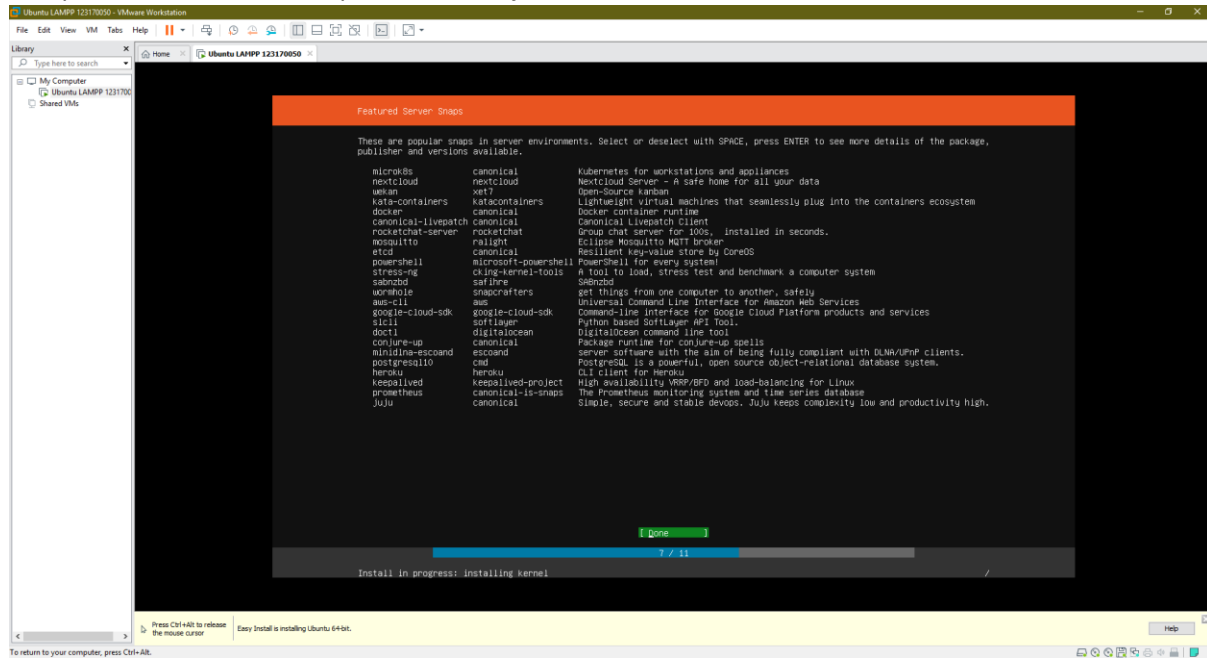
26. Isikan data form



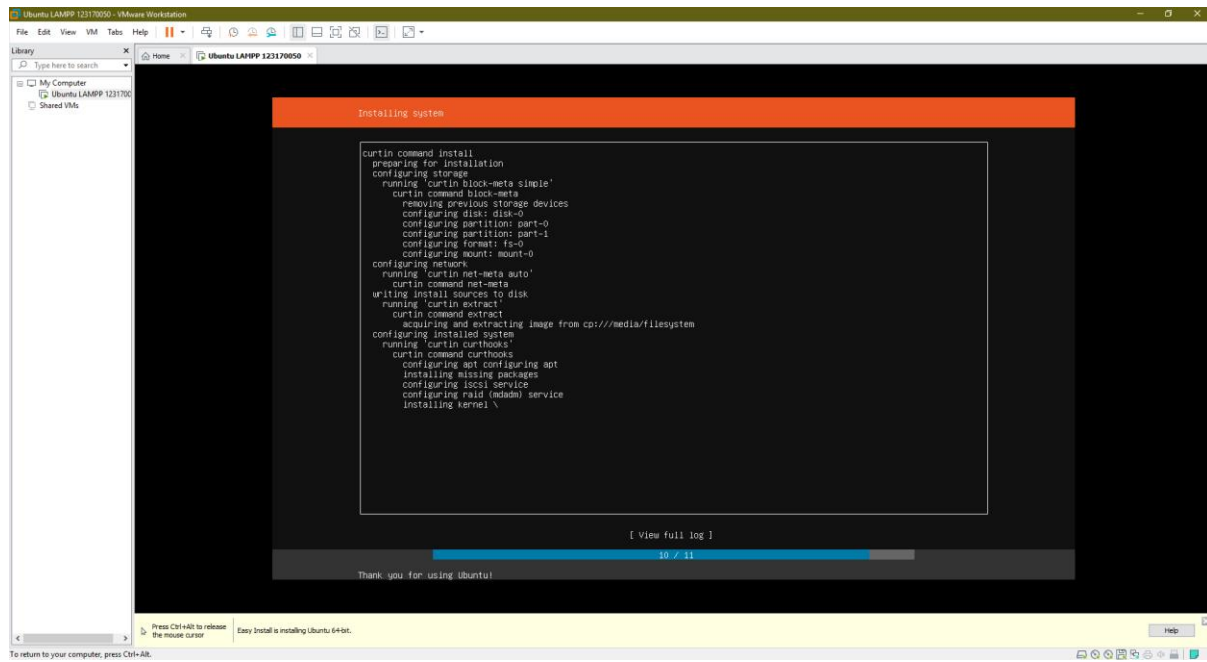
27. Username : fiki password : 123170050



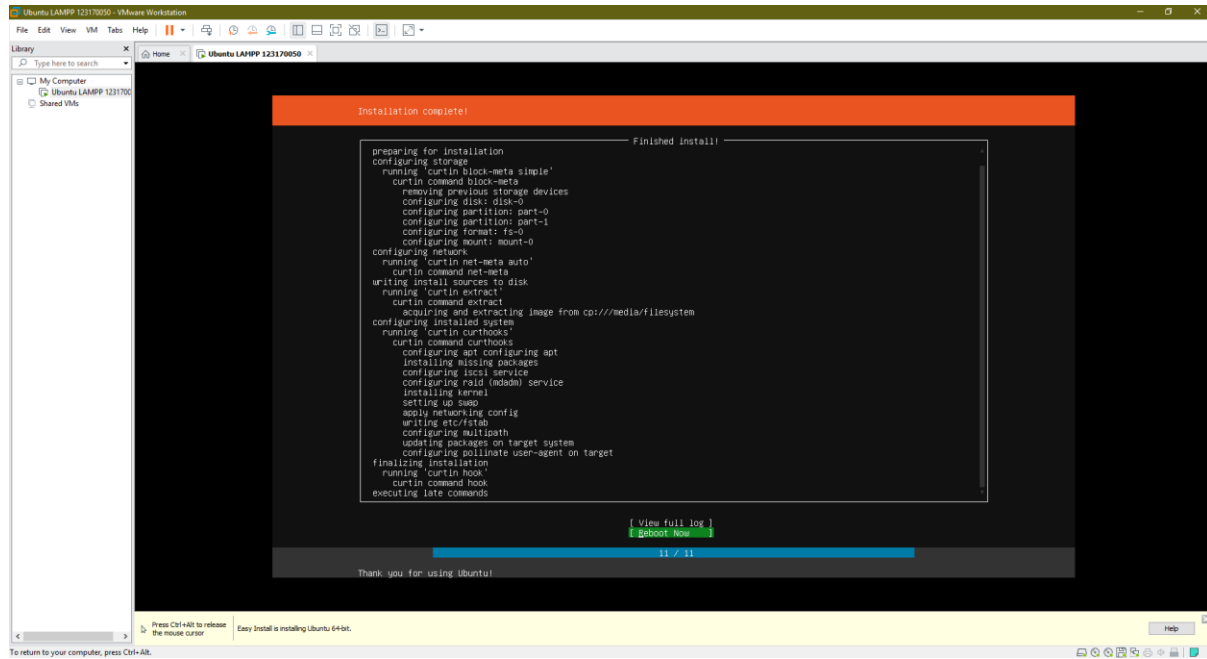
28. Tampilan tambahan instal aplikasi, next saja



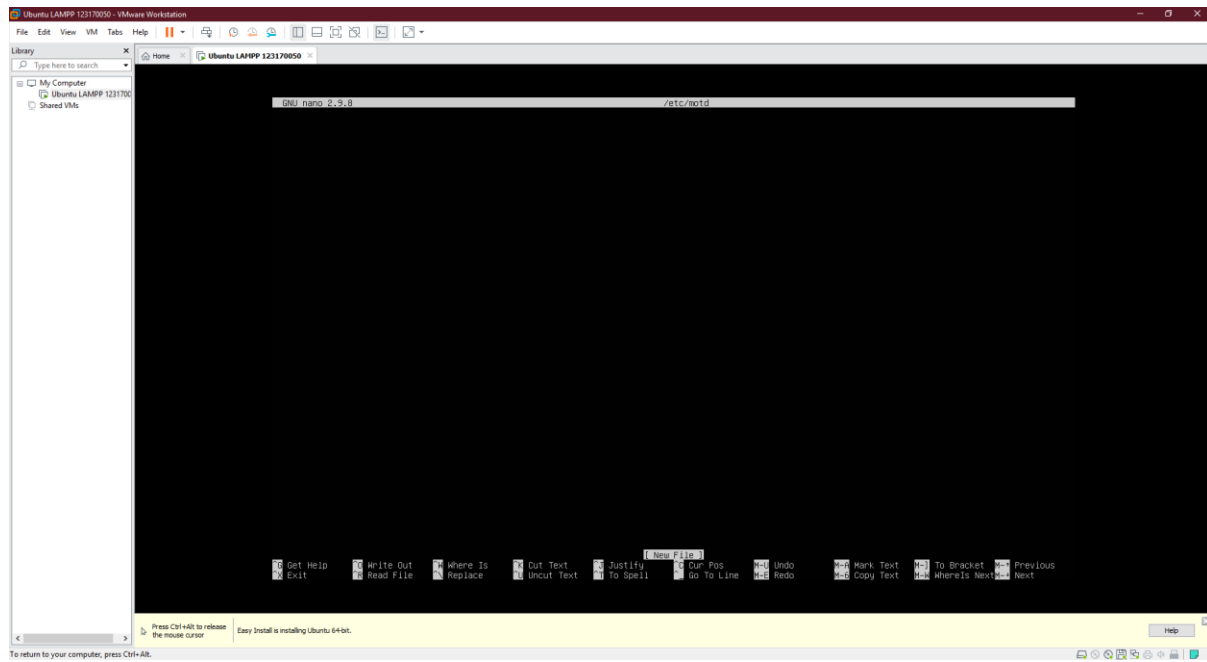
29. Installing kernel



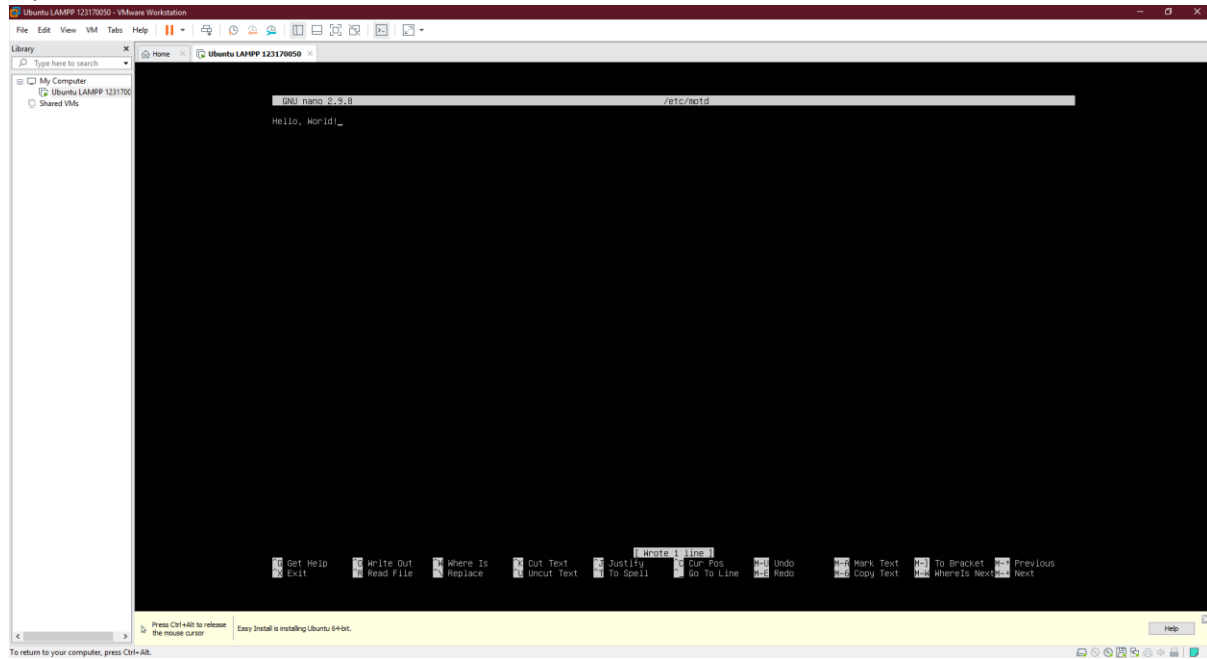
30. Instalasi selesai dan klik reboot



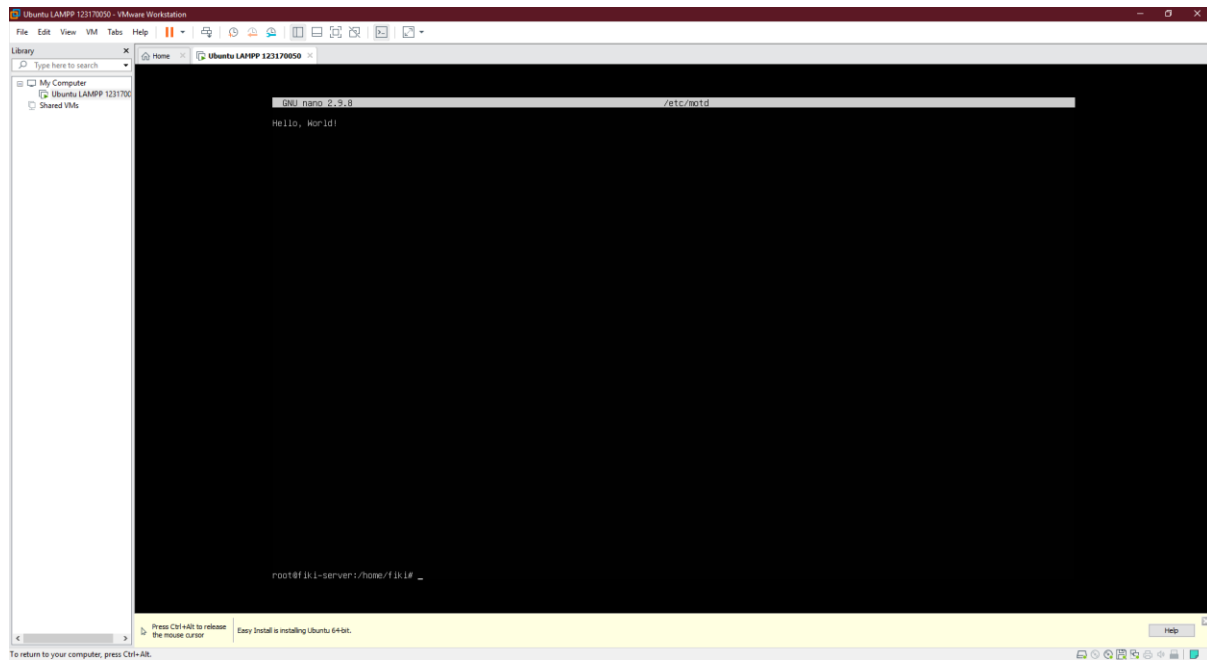
31. Tampilan awal masukan username dan password, password asteriknya hidden



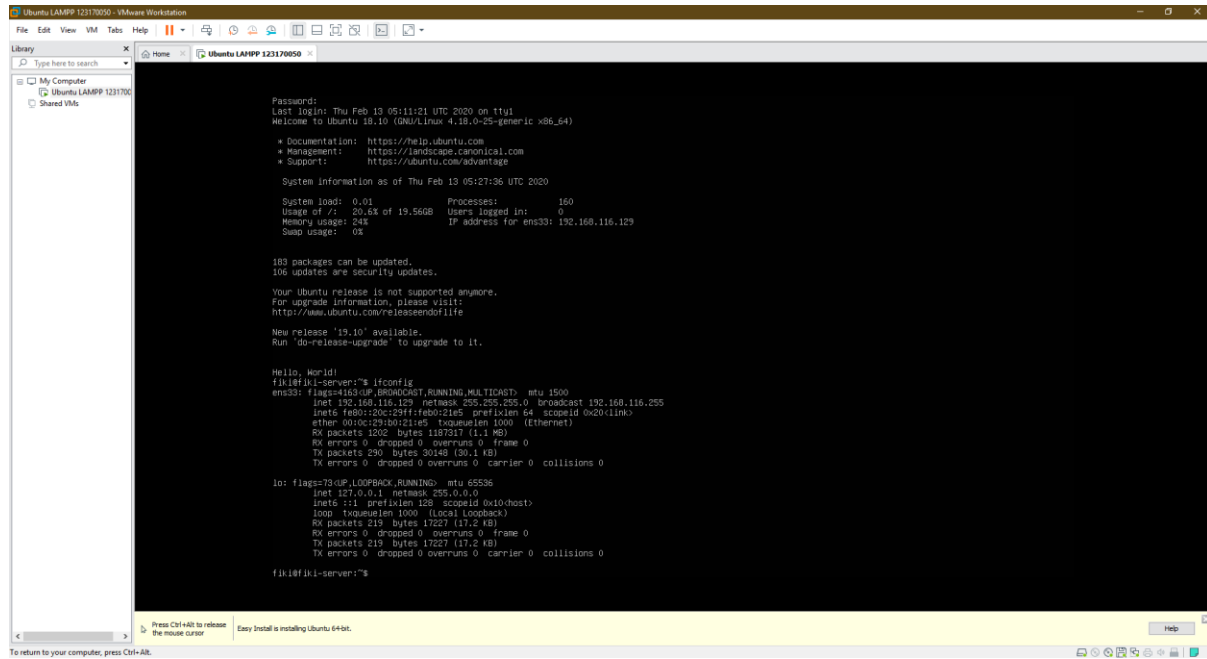
34. Input tulisan, dan untuk



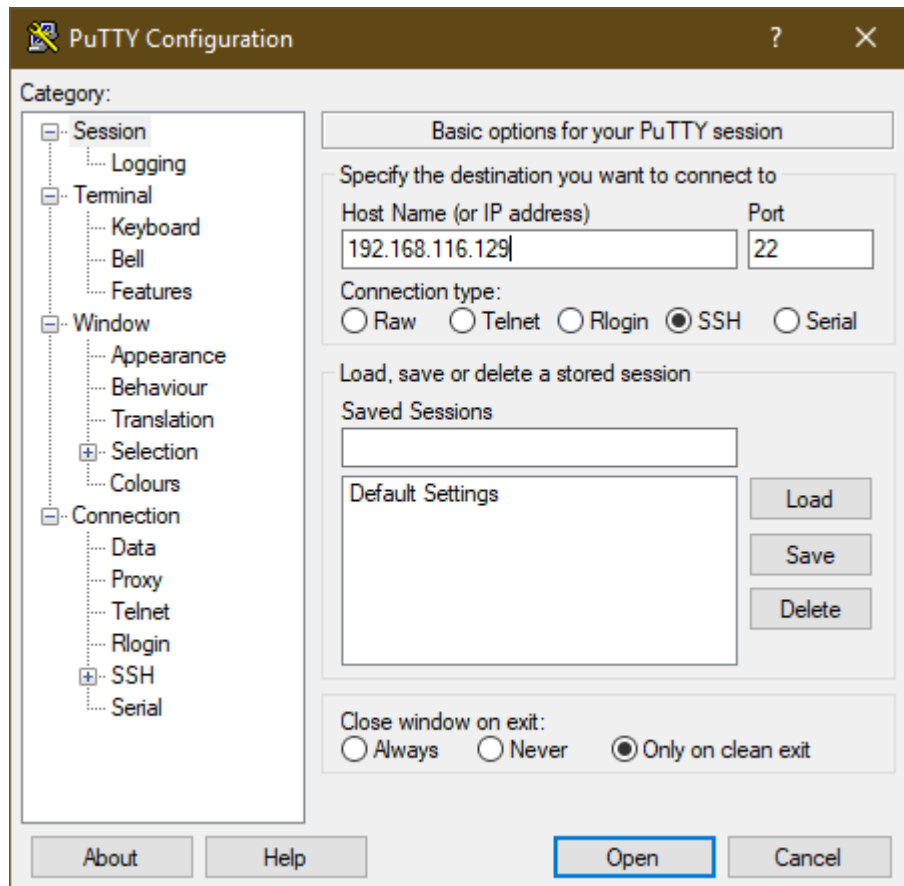
35. menyimpan tekan CTRL+O dan enter. Maka file tersave. "1 line wrote"



36. Untuk exit nano CTRL+X



37. Ifconfig digunakan untuk melihat IP aktif 192.168.116.129



38. Masuk ke Putty untuk remote. Dan masukan ip aktif tadi

```
fiki@fiki-server: ~
login as: fiki
fiki@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 Thu Feb 13 05:34:34 UTC 2020

System load:  0.03               Processes:            163
Usage of /:   20.6% of 19.56GB   Users logged in:     1
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.
```

39. Setelah itu masukan username dan password