

“TUGAS PENGANTAR TELEKOMUNIKASI”



DISUSUN OLEH:

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DOSEN PEMBIMBING:

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MATA KULIAH:

PENGANTAR TELEKOMUNIKASI

FAKULTAS ILMU KOMPUTER

UNIVERSITAS SRIWIJAYA

TAHUN AJARAN 2020/2021

TUGAS:

1. buat ubuntu server di virtual box
2. konfigurasi ssh
3. install putty
4. remote by putty or remote ssh terminal
5. buat aplikasi wordpress di ubuntu server or html

Software yang harus disiapkan:

- App virtual box
- Ubuntu Server (saya menggunakan versi 20.04.1)
- PuTTY

Langkah-langkah pengerjaan:

1. Download software yang diperlukan
2. Buka app virtual box lalu membuat Virtual Machine (VM) dan menginstall Ubuntu Server pada VirtualBox

- Klik ikon "NEW"



- lalu tulis pada kolom nama "ubuntu server"

?

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← Create Virtual Machine

Name and operating system

Please choose a descriptive name and destination folder for the new virtual machine and select the type of operating system you intend to install on it. The name you choose will be used throughout VirtualBox to identify this machine.

Name:

Machine Folder:

Type:

Version:

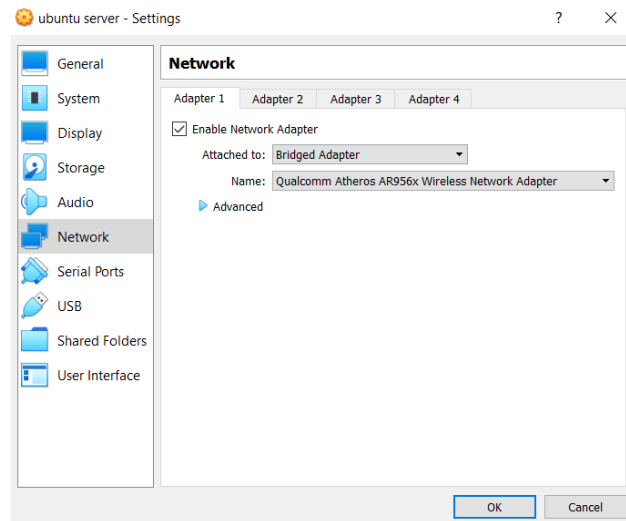
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Expert Mode Next Cancel

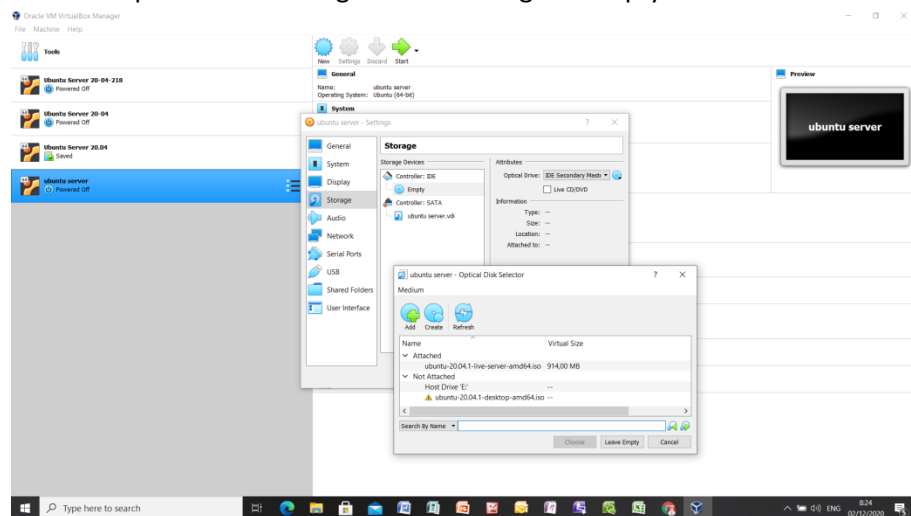
- lalu klik “setting”



- Kemudian, pada menu Network dalam setting, di tab adaptor 1 pilih Bridget Adapter



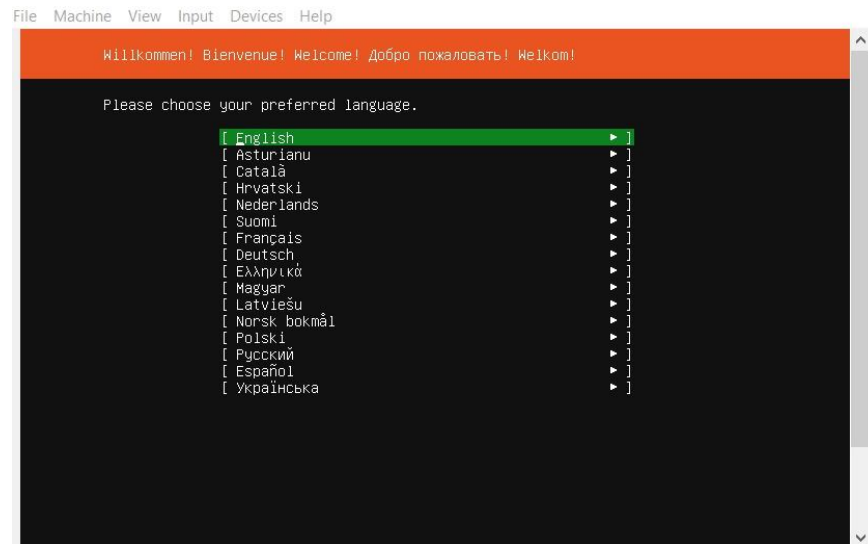
- Kemudian pada menu storage dalam setting klik empty dan masukan file ubuntu server



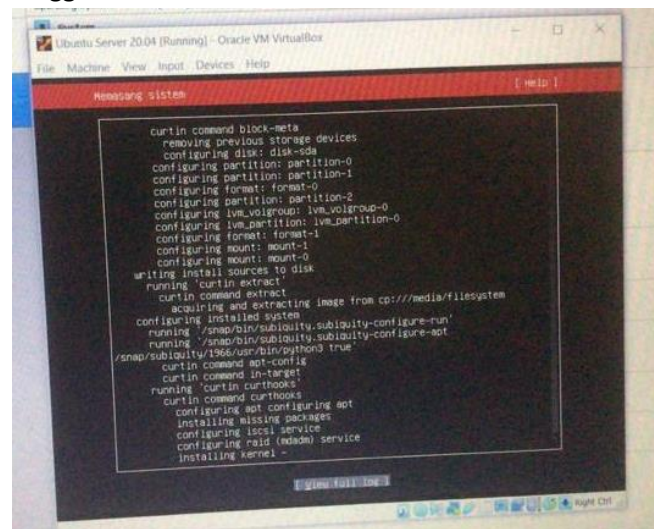
- Lalu klik ok dan pilih ikon “start”



- Selanjutnya install, terdapat konfigurasi Bahasa yang akan digunakan, kemudian installation storage, dan pembuatan account (username, password)



- Selanjutnya menunggu proses instalasi Ubuntu Server (proses memerlukan internet) Hingga muncul tulisan “reboot”



- jika selesai reboot maka akan muncul login username dan masukan password

3. Install dan Konfigurasi SSH

- Ketik perintah:
 1. apt-get update
 2. apt-get install inet tools
 3. apt-get install net tools
 4. apt install openssh-server
 5. systemctl status ssh dan pastikan setelahnya activee (running) Lalu ketik ifconfig

```
Ubuntu Server 20.04 [Running] Oracle VM VirtualBox
File Machine View Input Devices Help

RX packets 63147 bytes 92393393 (92.3 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 17815 bytes 1373961 (1.3 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 120 bytes 9816 (9.8 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 120 bytes 9816 (9.8 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

anisa@anisa:~$ sudo systemctl start ssh
[sudo] password for anisa:
anisa@anisa:~$
anisa@anisa:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.100.60 netmask 255.255.255.0 broadcast 192.168.100.255
inet6 fe80::a00:27ff:fe33:ad3d prefixlen 64 scopeid 0x20<link>
ether 08:00:27:33:ad:3d txqueuelen 1000 (Ethernet)
RX packets 128932 bytes 157134780 (157.1 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 60565 bytes 18796974 (18.7 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

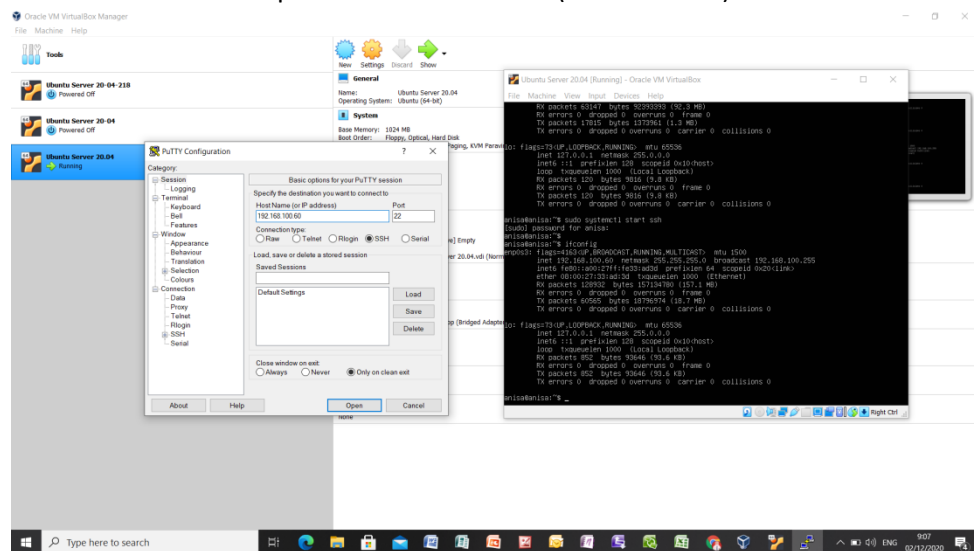
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 852 bytes 93646 (93.6 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 852 bytes 93646 (93.6 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

anisa@anisa:~$
```

- Lihat IP Address Host
"192.168.100.60"

4. Install dan Remoot PuTTY

- Setelah download PuTTY, lalu install
- Masukkan IP Address pada kolom Host Name (or IP Address)

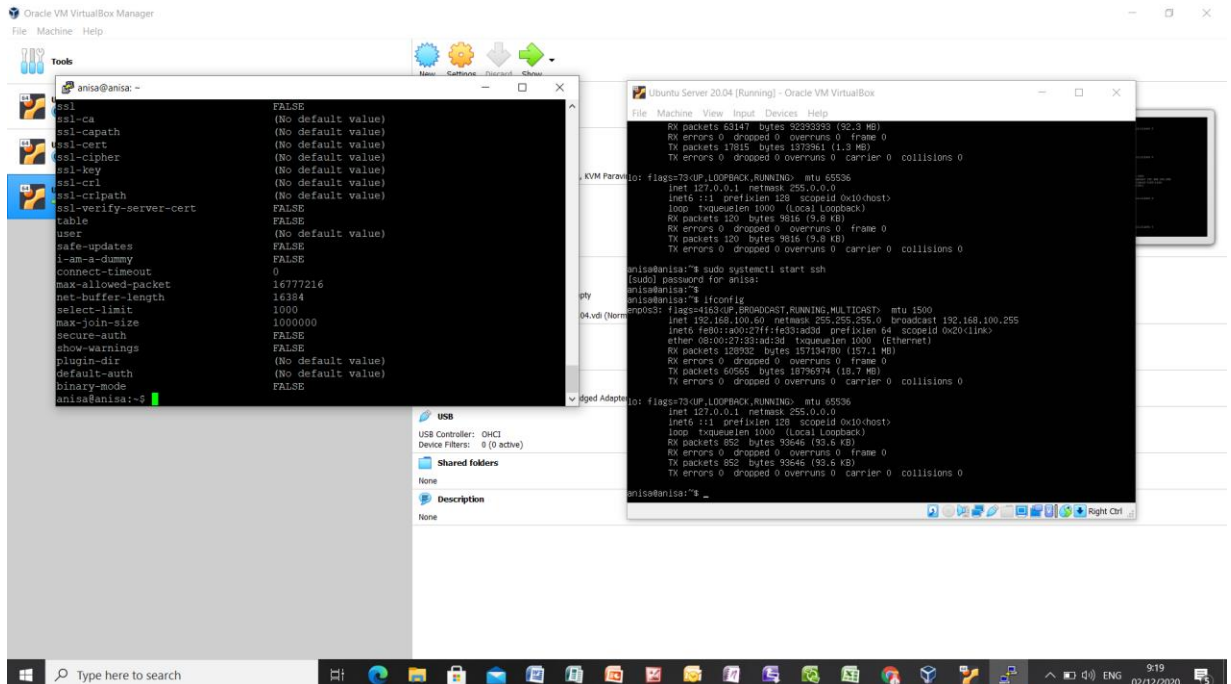


- Open
- Login as, (masukkan akun yang sudah kita buat sebelumnya)

```
anisa@anisa: ~  
login as: anisa  
anisa@192.168.100.60's password:  
Welcome to Ubuntu 20.04.1 LTS (GNU/Linux 5.4.0-54-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/advantage  
  
System information as of Wed Dec  2 02:08:37 UTC 2020  
  
System load:  0.0          Processes:            122  
Usage of /:   50.9% of 8.79GB Users logged in:      1  
Memory usage: 43%         IPv4 address for enp0s3: 192.168.100.60  
Swap usage:   0%  
  
* Introducing self-healing high availability clusters in MicroK8s.  
  Simple, hardened, Kubernetes for production, from RaspberryPi to DC.  
  
  https://microk8s.io/high-availability  
  
81 updates can be installed immediately.  
0 of these updates are security updates.  
To see these additional updates run: apt list --upgradable
```

- Lalu ketik perintah:

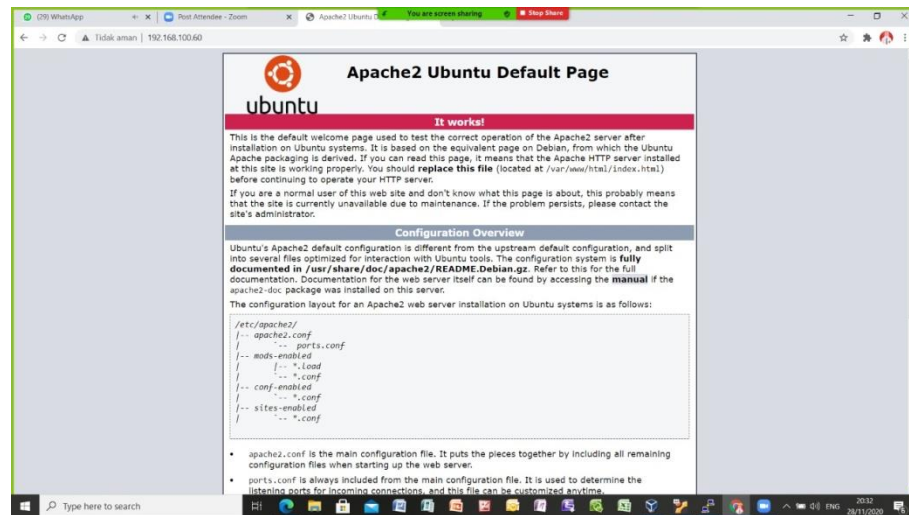
1. sudo apt update -y
2. sudo apt install apache2 -y
3. sudo apt install mariadb-server mariadb-client -y
4. sudo systemctl start mariadb
5. sudo systemctl status mariadb
6. sudo mysql_secure_installation dan masukan password lalu ketik y hingga muncul seperti gambar dibawah ini



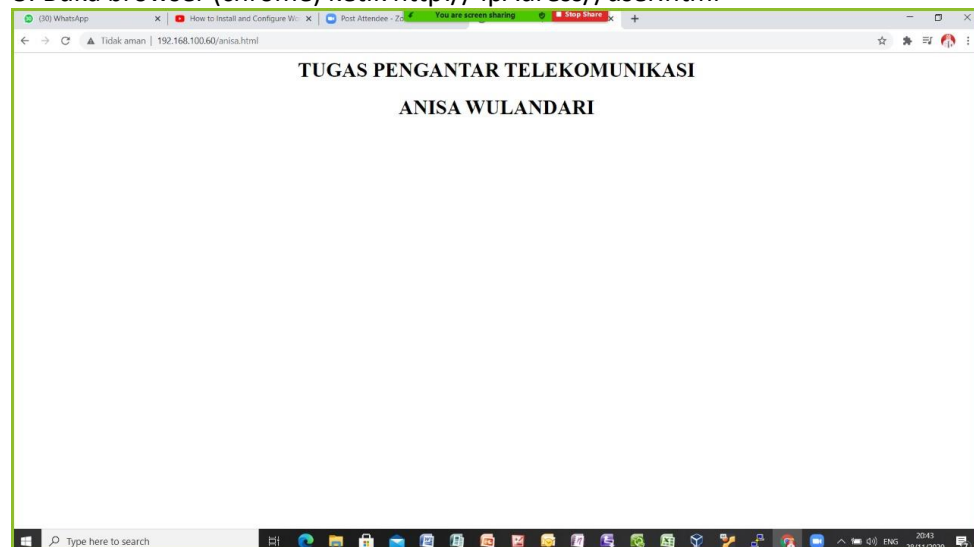
- Lalu ketik

1. sudo apt install apache2 -y
2. sudo systemctl status apache2

3. buka chrome lalu masukan nomor ip jika sudah aktif maka akan muncul tampilan seperti ini:

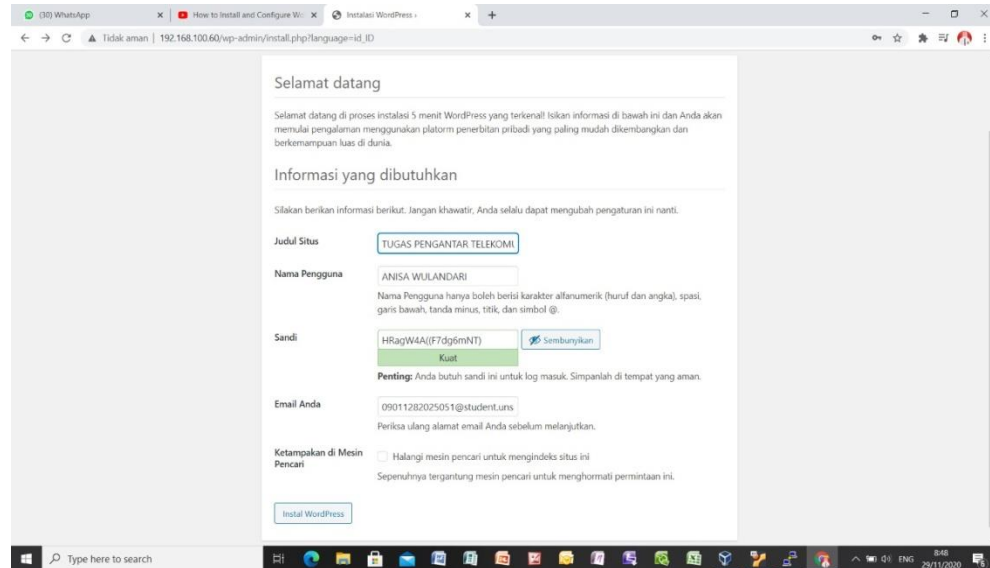


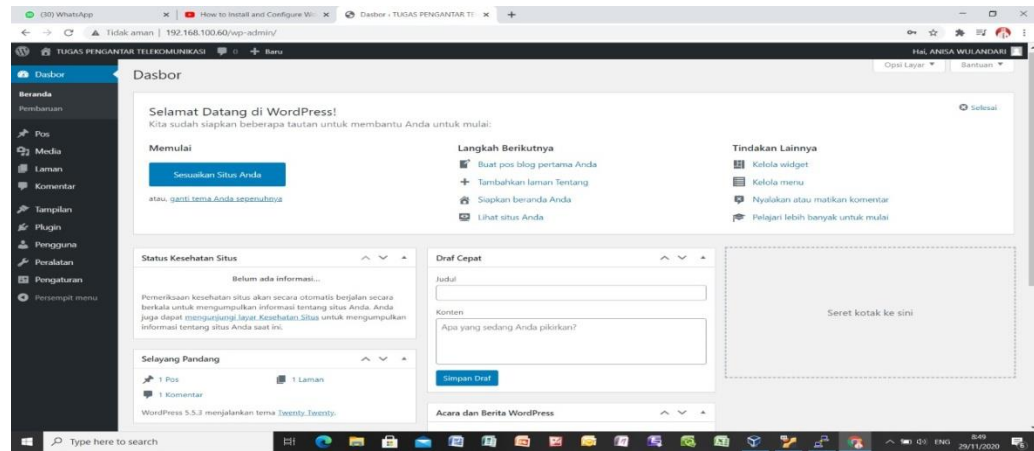
- Kembali ke terminal dan mencoba membuat html:
 1. Masukan perintah `$cd /var/www/html/`
 2. Lalu masukkan perintah `$ sudo nano user.html`
 3. ketik
`<html>`
`<center><h1>TUGAS PENGANTAR TELEKOMUNIKASI</h1></center>`
`<center><h1>ANISA WULANDARI</h1></center>`
`</html>`
 4. Lalu klik:
 - Ctrl+x ▪ Y ▪ Enter
 5. Buka browser (chrome) ketik `http:// ipAdress//user.html`



- Kembali ke terminal lalu ketik:
 1. `sudo apt install wget -y`
 2. `wget https://wordpress.org/latest.zip`

3. ls
4. sudo apt install unzip -y
5. unzip latest.zip
7. ls
8. cd wordpress/
9. ls
10. sudo cp -r * /var/www/html
11. cd /var/www/html/
12. ls
13. sudo rm -rf index.html
14. ls
15. sudo apt install php-mysql php-cgi php-cli php-gd -y
16. sudo systemctl restart apache2
17. sudo chown -R www-data:www-data /var/www/
18. ip a
19. lalu ketik nomor ip di browser
20. kembali ke terminal dan ketik "sudo mysql -u root -p
21. create database wordpress;
22. create user "wordpress"@"%" identified by "password" ;
23. grant all privileges on wordpress.* "wordpress"@"%";
24. dan login di wordpress





Dan dibawah ini merupakan tampilan website pribadi yang telah saya konfigurasi:

