

# **PENGANTAR TELEKOMUNIKASI**

## **LAPORAN**

**Server Ubuntu dengan Wordpress atau HTML oleh PuTTY (SSH)**



**Disusun Oleh :**

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**SISTEM KOMPUTER**

**KELAS SK1A**

**INDRALAYA**

## **Tujuan:**

agar memahami bagaimana penerapan serta langkah-langkah yang harus dilakukan saat membuat aplikasi Wordpress pada Ubuntu server oleh PuTTY ( SSH).

## **Fungsi :**

Aplikasi Wordpress atau Html ini diciptakan guna untuk memudahkan penggunaanya dalam mengelola konten berbasis Web.

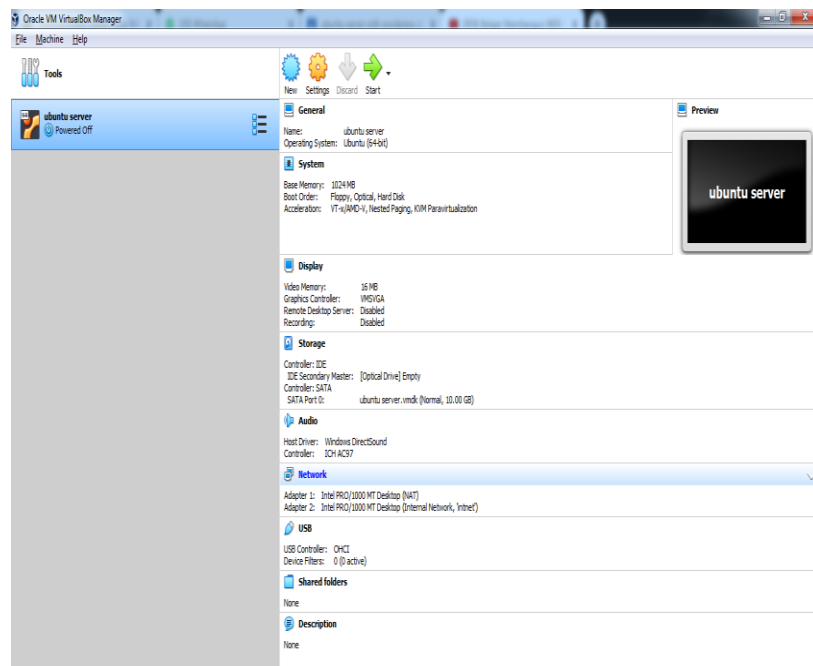
### **1. Pada langkah pertama, kalian harus menyiapkan beberapa software pendukung seperti :**

- App Virtual Box
- Ubuntu server ( versi 20.14 )
- PuTTY

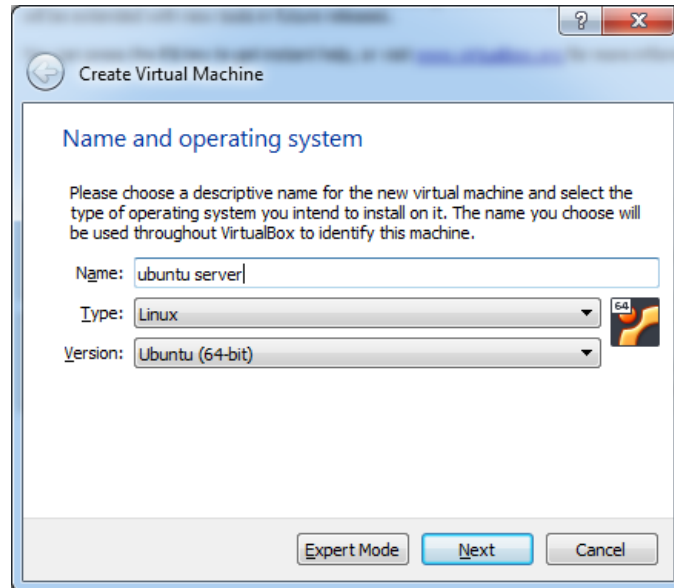
### **2. Kemudian, buka App Virtual Box yang telah kita install. Lalu ,kita mulai menginstall Ubuntu Server melalui App Virtual box tersebut.**

Tahap-tahapan :

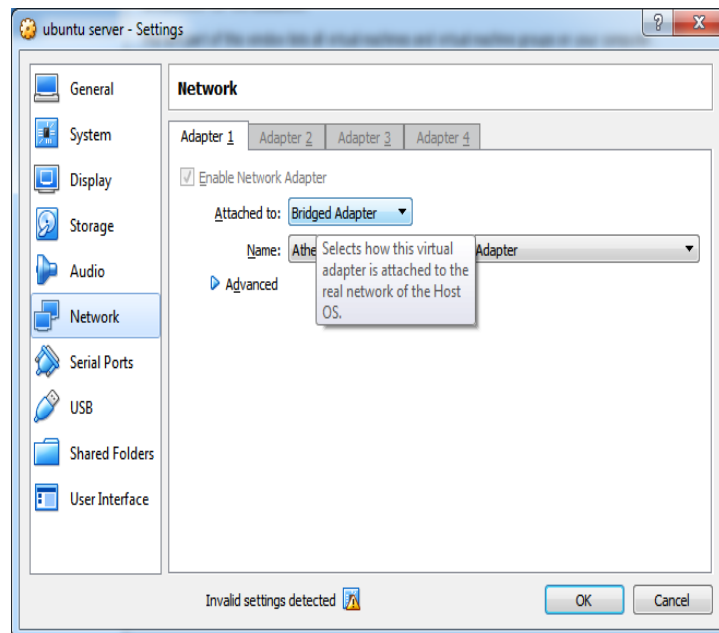
- Buka App Virtual Box, selanjutnya Klik icon new untuk membuat Virtual Machine



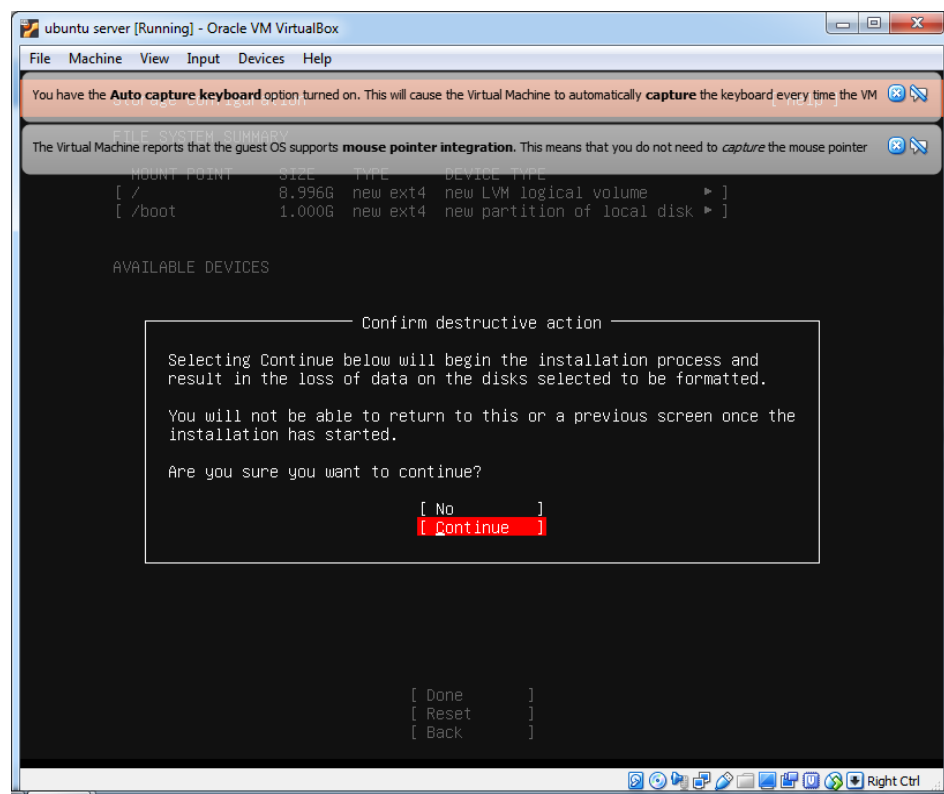
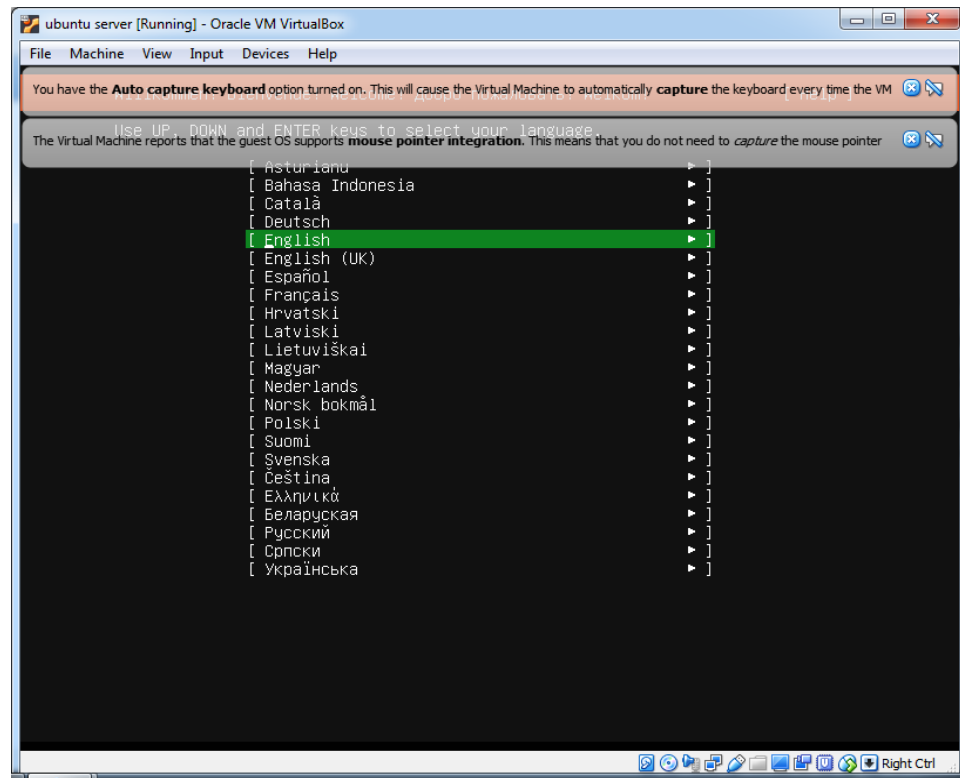
- Akan muncul desktop untuk mengatur Nama File



- Pilih icon setting, klik Network untuk melakukan pengaturan pada tab adaptor 1 dan pilihlah Bridget Adapter. Setelah itu ,kalian juga harus mengatur menu Stronge pada icon setting dan pilih file Ubuntu Server,dan klik menu start.



- Langkah selanjutnya,terdapat konfigurasi Bahasa yang bisa kalian plih untuk digunakan (pada umumnya memilih English ),serta pembuatan account ( username dan password ).



- Selanjutnya kalian menunggu proses Instalasi Ubuntu Server (yang harus terhubung pada internet ).
- jika telah selesai lakukan reboot.
- Jika reboot telah selesai akan muncul user login ( masukan user server dan password kalian )

```
arinda2309@ubuntu: ~  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Sun 29 Nov 2020 06:09:13 AM UTC  
  
System load:  0.08      Processes:           111  
Usage of /:   46.0% of 8.79GB   Users logged in:    1  
Memory usage: 23%      IPv4 address for enp0s3: 192.168.100.189  
Swap usage:   0%  
  
* Introducing self-healing high availability clustering for MicroK8s!  
  Super simple, hardened and opinionated Kubernetes for production.  
  
  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  
  
Last login: Sun Nov 29 04:08:46 2020  
arinda2309@ubuntu:~$
```

### 3. Install dan konfigurasi SSH

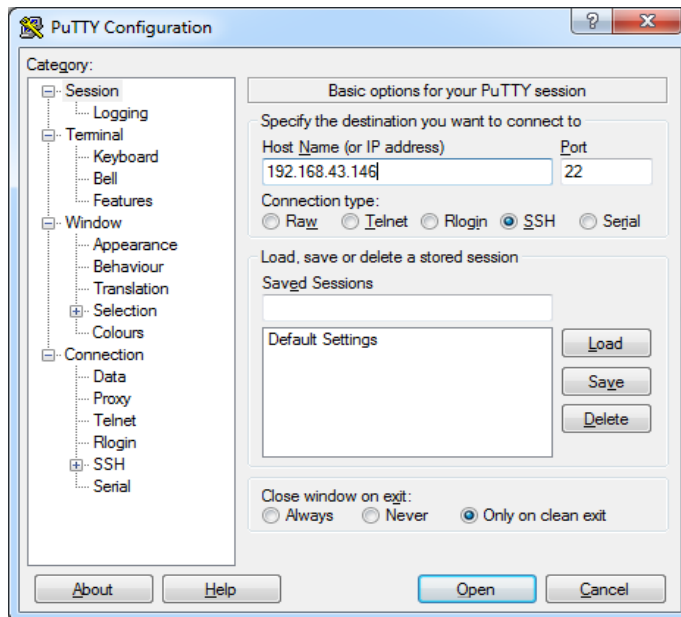
- Ketik : `$ Sudo apt install openssh-server` (enter)
- Jika, sudah selesai ketik : `ifconfig`

```
Preparing to unpack .../net-tools_1.60+git20180626.aebd88e-1ubuntu1_amd64.deb ...  
Unpacking net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...  
Setting up net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...  
Processing triggers for man-db (2.9.1-1) ...  
arinda2309@ubuntu:~$ ifconfig_
```

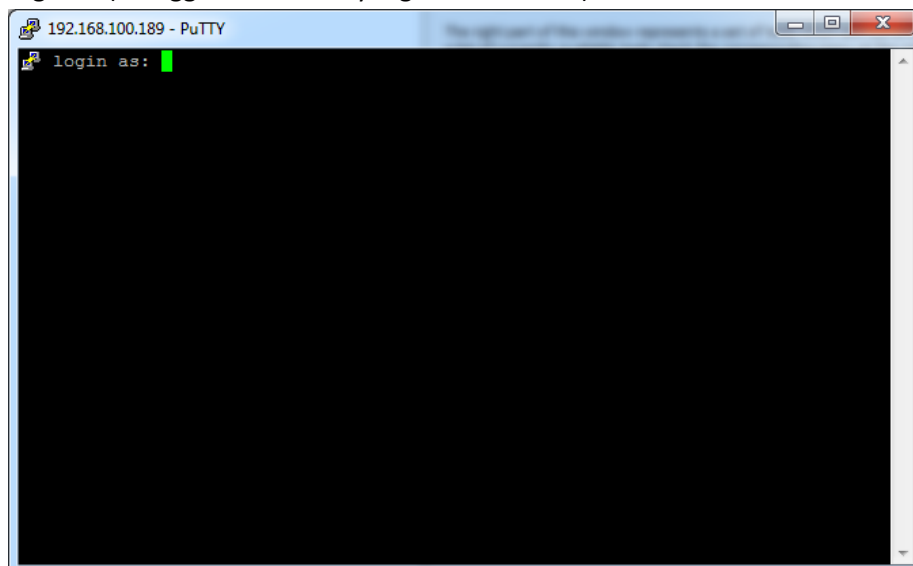
- Kemudian ,lihat IP Address

### 4. Install dan Remoot PuTTY

- Install PuTTY
- Masukkan IP Address pada kolom Host Name or ( IP Address )



- Kemudian klik Open
- Login as (menggunakan akun yang sudah dibuat )



- Ketik : `$ ssh-keygen -t rsa` (enter)

```
arinda2309@ubuntu:~$ ssh-keygen -t rsa
ssh: Could not resolve hostname keygen: Temporary failure in name resolution
arinda2309@ubuntu:~$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/arinda2309/.ssh/id_rsa): _
```

Perintah diatas akan menghasilkan private\_key dan public\_key yang bisa digunakan  
Pada computer Klien SSH dan Server.

- Akan muncul tampilan the key finger print.

```

arinda2309@ubuntu:~$ ssh arinda23@192.168.100.189
The Virtual Machine reports that the guest OS supports mouse pointer integration. This means that you do not need to capture
arinda23@192.168.100.189's password:
Permission denied, please try again.
arinda23@192.168.100.189's password:
Permission denied, please try again.
arinda23@192.168.100.189's password:
arinda23@192.168.100.189: Permission denied (publickey,password).
arinda2309@ubuntu:~$ arinda2309
arinda2309: command not found
arinda2309@ubuntu:~$ ssh-keygen -t rsa
ssh: Could not resolve hostname keygen: Temporary failure in name resolution
arinda2309@ubuntu:~$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/arinda2309/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/arinda2309/.ssh/id_rsa
Your public key has been saved in /home/arinda2309/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:gZcFFkG8zABiNMNSVLXZhCPP51lcEh9AsObigyuZpLQ arinda2309@ubuntu
The key's randomart image is:
+----[RSA 3072]-----+
  =0.000*Bo.
  ...+. +*00..
  . +=*0+.
  ++ *.
  ooSoo
  .. o oo= .
  |.o.o. o
  |.E+ .
  ..
+----[SHA256]-----+
arinda2309@ubuntu:~$

```

- Kemudian ,menyalin SSH keys ke server .
- Ketik : \$ ssh-copy-id user@ip (enter )

```

arinda2309@ubuntu:~$ ssh-copy-id arinda2309@192.168.100.189
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/arinda2309/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install all the new keys
arinda2309@192.168.100.189's password: _

```

## 5. Buat Html

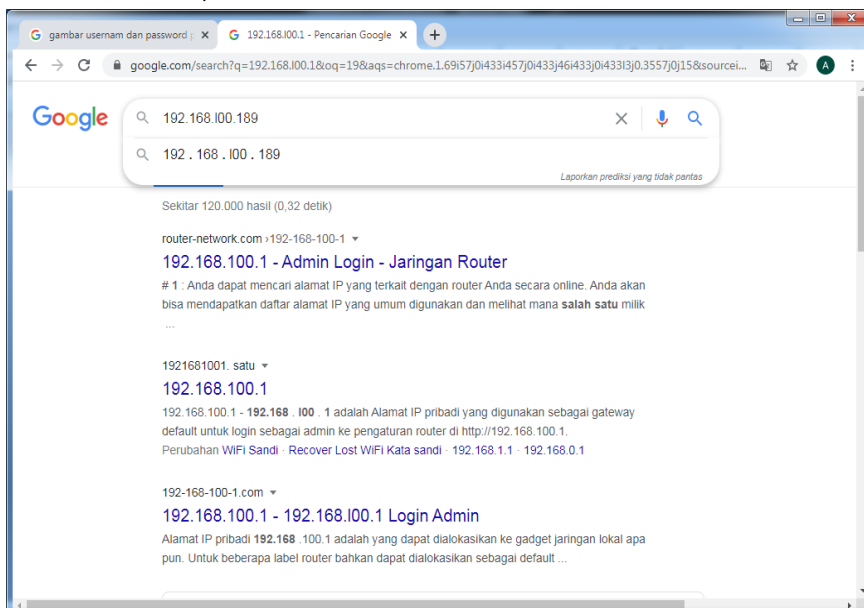
- Ketik : \$ sudo apt install apache2

```

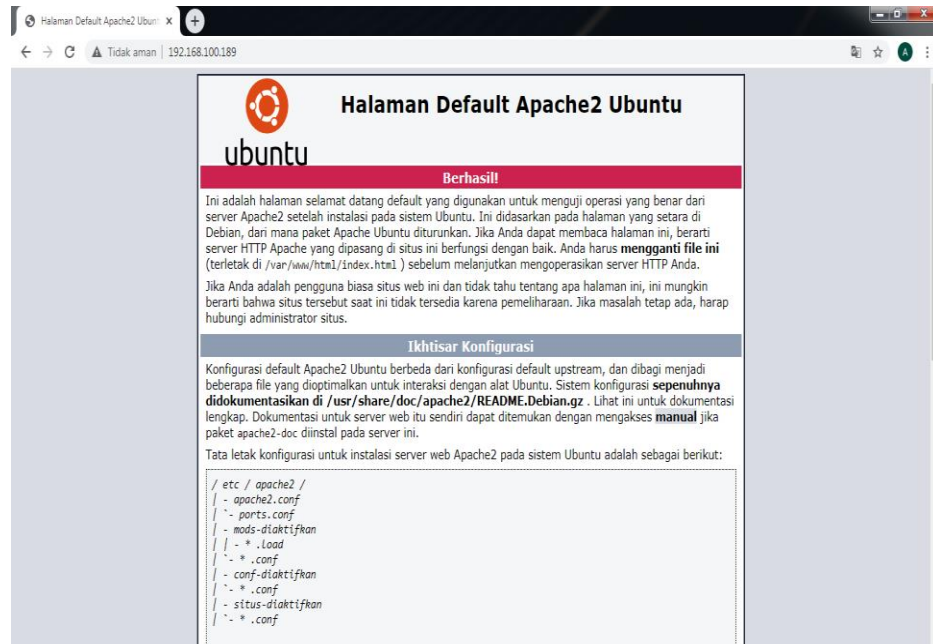
arinda2309@ubuntu:~$ sudo apt install apache2_

```

- Bukalah Browser,lalu ketikan IP Address kalian.



- Maka, akan muncul Ubuntu Server kalian ( yang menyatakan telah berhasil)



- Masukan `$cd /var/www/html/`

```
arinda2309@ubuntu:~$ cd /var/www/html/
arinda2309@ubuntu:/var/www/html$ sudo nano arinda.html_
```

- Dan masukan `$ sudo nano user,.html.`

- Ketik

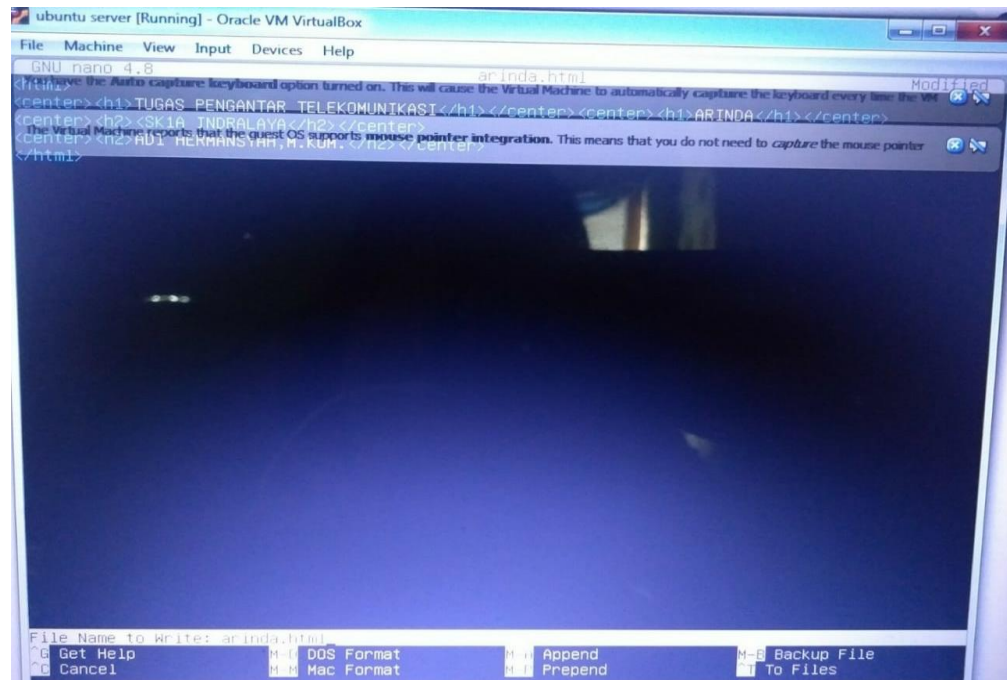
```
<html>
```

```
<center><h1><TUGAS PENGANTAR TELEKOMUNIKASI</h1></center>
```

```
<center><h2>NAMAUSER</center>
```

```
</html>
```





- Lalu klik :
  - Ctrl +X
  - Y
  - Enter
- Terakhir, bukalah Browser. Kemudian ,ketik <http://ipAdress//user.html>

