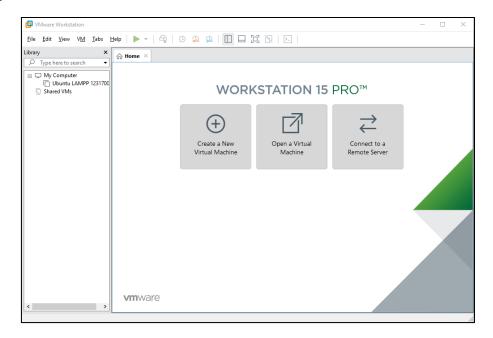
Materi: Pengenalan VMware Workstation dan Linux OS

NIM : 123170029

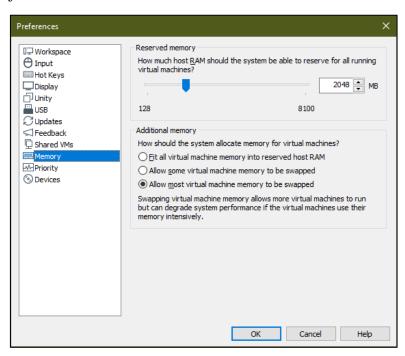
Nama :Jundi Hafizhul Haqqi

Membuat sebuah layanan yang berbasiskan Private Cloud. Yang diperlukan adalah Apache PHP, Mysql, PHPmyadmin.

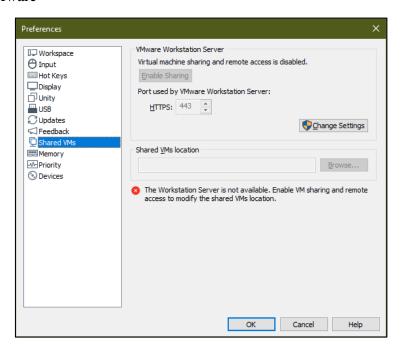
VMware



Swapping, manajemen RAM

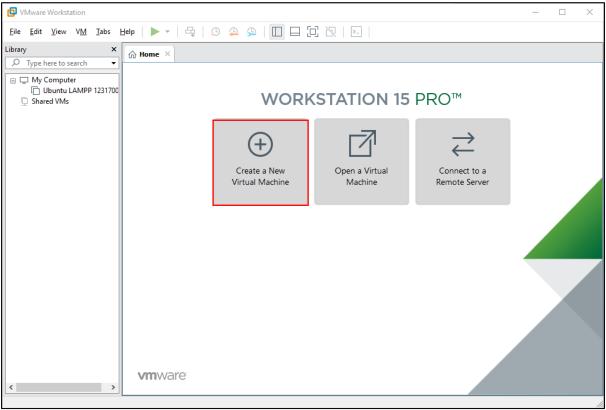


Port trouble VMware



Tahadap Instalasi

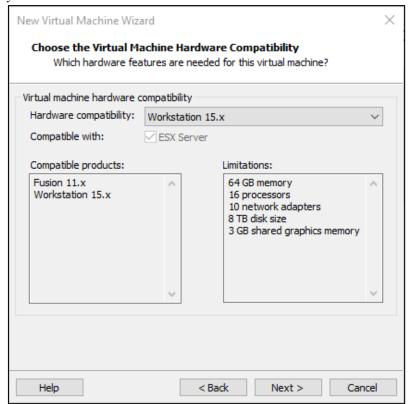
1. Membuka aplikasi WMware, lalu pilih Create New Virtual Machine



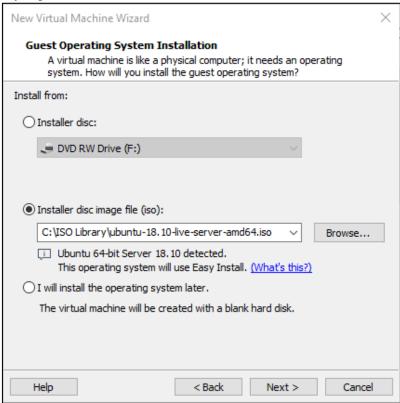
2. Pilih mode *custom*, lalu klik *next*



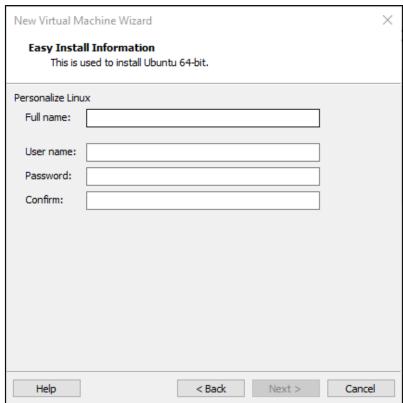
3. Memilih *compatibility*, disesuaikan dengan versi OS, jika OS sudah jadul *compatibility* diturunkan



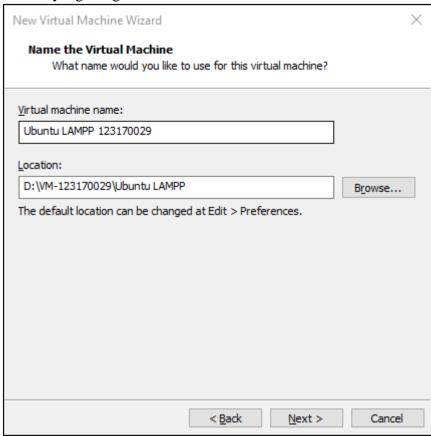
4. Memilih ISO yang akan diinstall



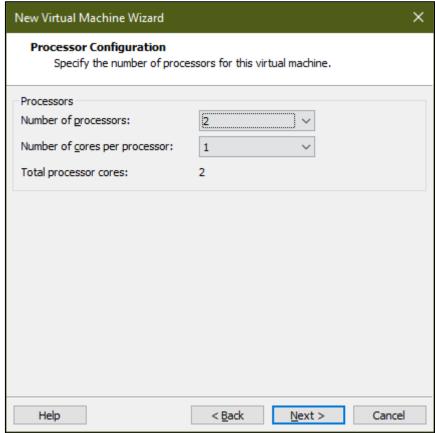
5. Memasukkan data



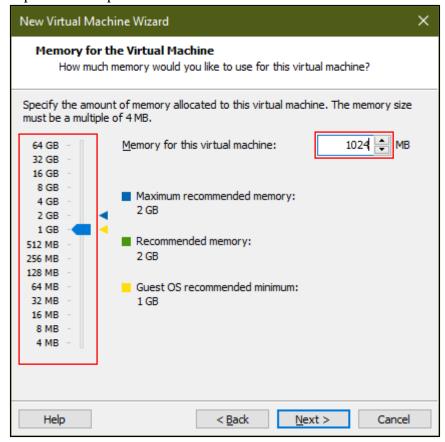
6. Simpan di lokasi yang diinginkan



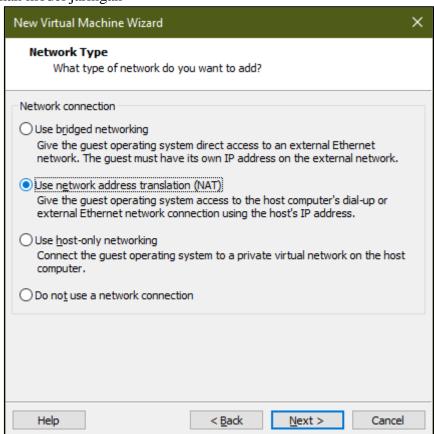
7. Melakukan konfigurasi penggunaan processor



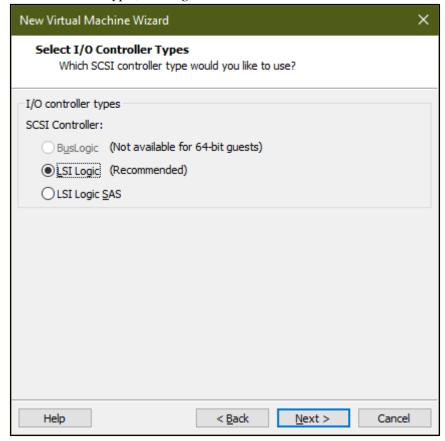
8. Melakukan pemilihan kapasitas RAM



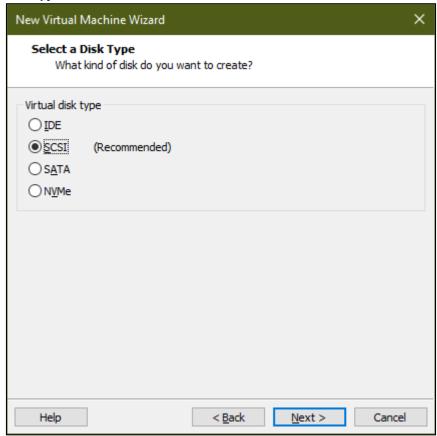
9. Menentukan model jaringan



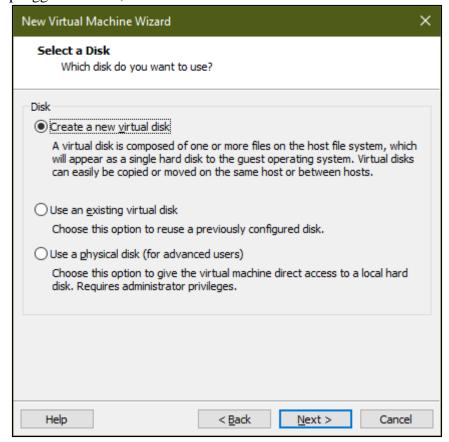
10. Memilih I/O Controller Type, LSI logic



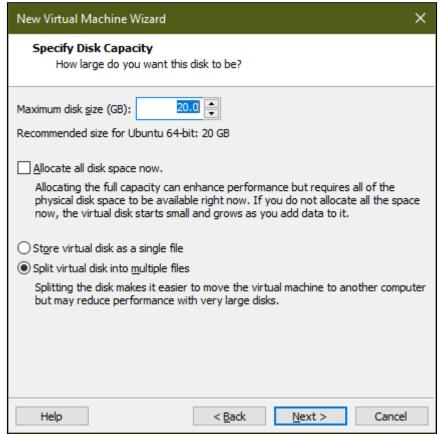
11. Memilih Disc type



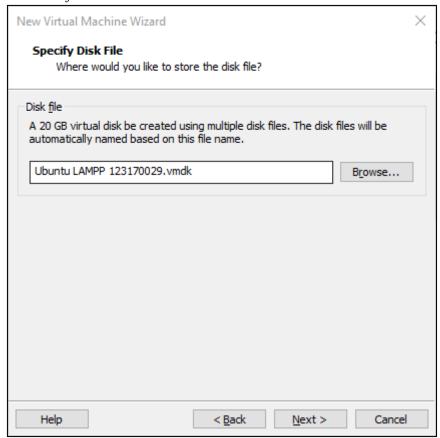
12. Memilih penggunaan Disk, cretae new



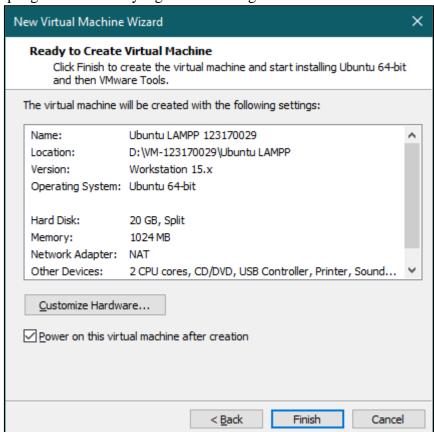
13. Mengalokasikan ukuran hardisk, dan memilih mode split



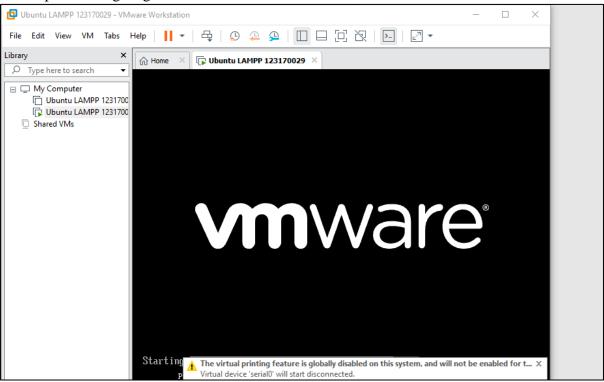
14. Menampilkan disk file



15. Finalisasi pengecekan sistem yang telah dikonfigurasi



16. Proses pun berlangsung

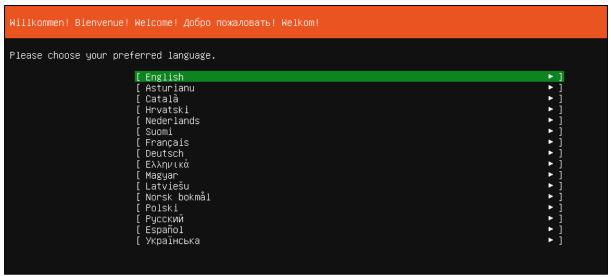


PROSES INSTALASI

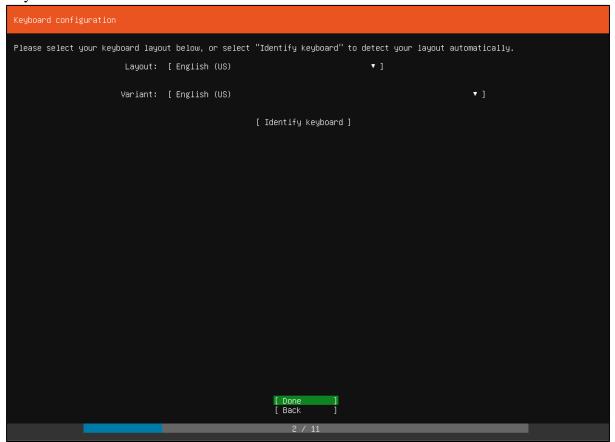
Beberapa shorcut yang akan diperlukan adalah CTRL + ALT yang digunakan untuk keluar dari mode $virtual\ OS$

Tahapan tahapan

1. Pemilihan Bahasa



2. Keyboard arsitektur



3. Pemilihan mode OS

4. Cek koneksi

```
Network connections

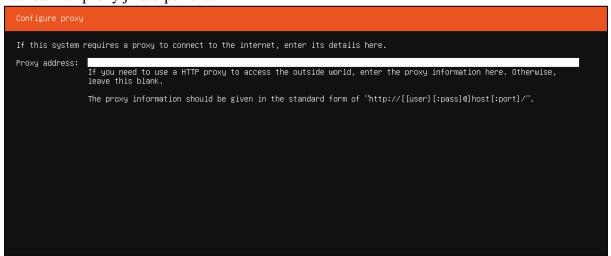
Configure at least one interface this server can use to talk to other machines, and which preferably provides sufficient access for updates.

NAME TYPE NOTES / ADDRESSES
[ens33 eth 192.168.116.129/24 (from dhcp) → ]

O0:0c:29:93:ec:8a / Intel Corporation / 82545EM Gigabit Ethernet Controller (Copper) (PRO/1000 MT Single Port Adapter)

[Create bond → ]
```

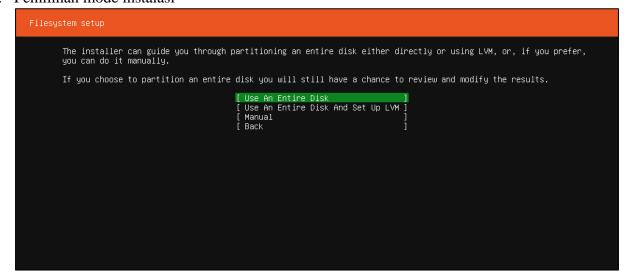
5. Tambahkan proxy jika diperlukan



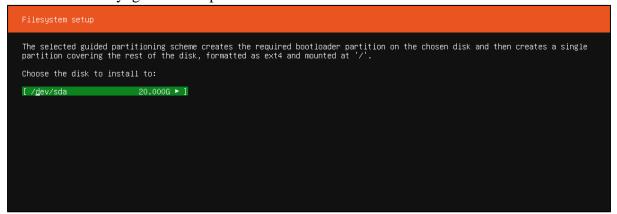
6. Jika memiliki alternatif mirror, maka masukkan



7. Pemilihan mode instalasi



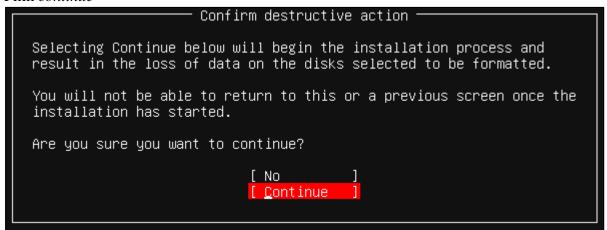
8. Memilih hardisk yng telah disiapkan



9. Review terhadap konfigurasi

```
Filesystem setup
FILE SYSTEM SUMMARY
  [ /
                    19.997G ext4 partition of local disk ▶ ]
AVAILABLE DEVICES
  No available devices
USED DEVICES
    DEVICE
                      20.000G local disk ▶ ]
1.000M (0%) ▶ ]
  [ /dev/sda
      partition 1
                      1.000M (0%)
        bios_grub
      partition 2
                      19.997G (99%)
                                           ▶ ]
        formatted as ext4, mounted at /
```

10. Pilih continue



11. Melakukan konfigurasi akun virtual OS

Profile setup	
Enter the username and password (or ssh identity) you will use to log in to the system.	
Your name:	jundi hafizhul haqqi
Your server's name:	jundi—server The name it uses when it talks to other computers.
Pick a username:	jundi
Choose a password:	sasasas
Confirm your password:	solonor_
Import SSH identity:	[No ▼] You can import your SSH keys from Github or Launchpad.
Import Username:	

12. Jika memerlukan aplikasi tambahan

13. Proses instalasi berlangsung

```
Curtin command install
preparing for installation
configuring storage
running curtin block-meta simple'
curtin command block-meta
removing previous stored devices
configuring partition; part-10
configuring partition; part-0
configuring partition; part-10
configuring nount: mount-0
configuring network
running 'Curtin net-meta auto'
curtin command net-meta
writing install sources to disk
running 'Curtin extract'
curtin command extract
acquiring and extracting image from cp://media/filesystem
configuring installad system
running 'curtin curthooks'
curtin command curthooks
configuring apt configuring apt
installing missing packages
configuring issal service
configuring issal service
configuring issal service
installing kernel /
```

14. Tunggu hingga proses instalasi selesai

Tahap Pengoperasian

Beberapa operasi yang dilakukan, antara lain:

1. Melakukan *login* terhadap *virtual OS*

```
Ubuntu 18.10 jundi–server tty1
jundi–server login: jundi
Password: _
```

2. Tampilan saat setelah login

```
Last login: Thu Feb 13 07:36:12 UTC 2020 on tty1
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 07:37:43 UTC 2020
 System load: 0.18
Usage of /: 20.6% of 19.56GB
Memory usage: 25%
                                      Processes:
                                                              198
                                    Users logged in:
                                     IP address for ens33: 192.168.116.130
  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.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
```

3. Menggunakan perintah sudo su, untuk pindah ke mode super user atau administrator

```
jundi@jundi–server:~$ sudo su
jundi[sudo] password for jundi:
```

4. Melakukan pengubahan terhadap tampilan saat login, dengan perintah nano /etc/motd. Dan ketikkan pesan yang diinginkan

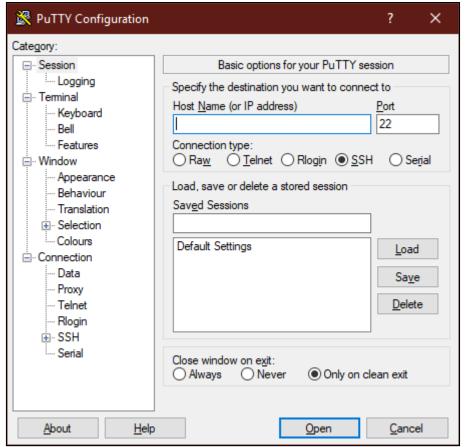
5. Melakukan cek ip pada virtual OS

```
jundi@jundi-server:~$ ifconfig
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.116.130    netmask 255.255.255.0    broadcast 192.168.116.255
    inet6 fe80::20c:29ff:fe93:ec8a    prefixlen 64    scopeid 0x20<link>
    ether 00:0c:29:93:ec:8a    txqueuelen 1000 (Ethernet)
    RX packets 643    bytes 619457 (619.4 KB)
    RX errors 0    dropped 0    overruns 0    frame 0
    TX packets 240    bytes 26947 (26.9 KB)
    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 219    bytes 17254 (17.2 KB)
    RX errors 0    dropped 0    overruns 0    frame 0
    TX packets 219    bytes 17254 (17.2 KB)
    TX errors 0    dropped 0    overruns 0    carrier 0    collisions 0

jundi@jundi-server:~$ _
```

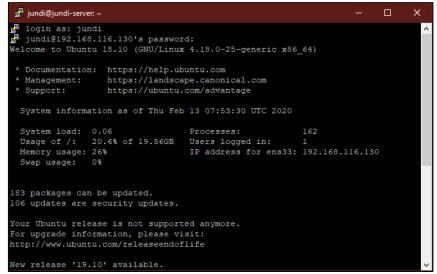
6. Melakukan remote terhadap *virtual OS* menggunakan aplikasi *PuTTY* pada *OS Windows*. Masukkan IP lalu klik *Open*.



7. Pilih Yes



8. Lalu masukkan *username* dan *password* untuk *login*



DOKUMENTASI

- 1. ls
- 2. mkdir pertemuan-2
- 3. ls -1

```
jundi@jundi-server:~$ ls
jundi@jundi-server:~$ mkdir pertemuan-2
jundi@jundi-server:~$ ls -1
total 4
drwxrwxr-x 2 jundi jundi 4096 Feb 13 07:58 pertemuan-2
jundi@jundi-server:~$
```

- 4. cp -r pertemuan-2 pertemuan-1
- 5. ls

```
jundi@jundi-server:~$ 1s
jundi@jundi-server:~$ mkdir pertemuan-2
jundi@jundi-server:~$ 1s -1
total 4
drwxrwxr-x 2 jundi jundi 4096 Feb 13 07:58 pertemuan-2
jundi@jundi-server:~$ cp -r pertemuan-2 pertemuan-1
jundi@jundi-server:~$ 1s
pertemuan-1 pertemuan-2
jundi@jundi-server:~$
```

- 6. mv pertemuan-2 "pertemuan 2 LAMPP"
- 7. ls

```
jundi@jundi-server:~$ 1s
jundi@jundi-server:~$ mkdir pertemuan-2
jundi@jundi-server:~$ 1s -1
total 4
drwxrwxr-x 2 jundi jundi 4096 Feb 13 07:58 pertemuan-2
jundi@jundi-server:~$ cp -r pertemuan-2
jundi@jundi-server:~$ 1s
pertemuan-1 pertemuan-2
jundi@jundi-server:~$ mv pertemuan-
pertemuan-1/ pertemuan-2/
jundi@jundi-server:~$ mv pertemuan-2
jundi@jundi-server:~$ mv pertemuan-2
jundi@jundi-server:~$ mv pertemuan-2
jundi@jundi-server:~$ sy pertemuan-2 "pertemuan 2 LAMPP"
jundi@jundi-server:~$ 1s
pertemuan-1 'pertemuan 2 LAMPP'
jundi@jundi-server:~$
```

8. cd "pertemuan 2 (lalu tab lalu enter)

jundi@jundi-server:~/pertemuan 2 LAMPP\$

```
jundi@jundi-server: ~ $ cd "pertemuan 2 LAMPP"/

jundi@jundi-server: ~/pertemuan 2 LAMPP"/

jundi@jundi-server: ~/pertemuan 2 LAMPP"/

jundi@jundi-server: ~ $ cd "pertemuan 2 LAMPP"/
```

9. nano biodata.txt

```
GNU nano 2.9.8
                                   biodata.txt
123170029
```

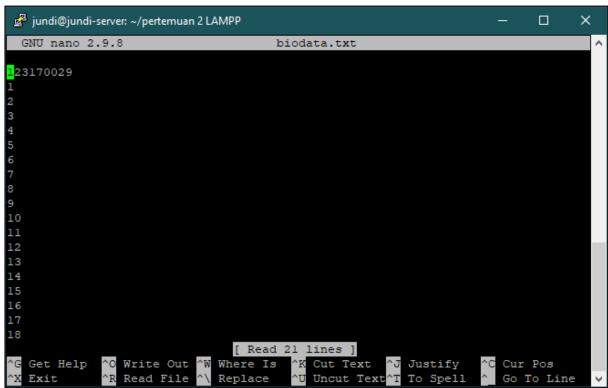
10. ls -1

```
jundi@jundi-server:~/pertemuan 2 LAMPP$ 1s -1
total 0
-rw-rw-r-- 1 jundi jundi 0 Feb 13 08:03 biodata.txt
jundi@jundi-server:~/pertemuan 2 LAMPP$
```

11. cat biodata.txt

```
jundi@jundi-server:~/pertemuan 2 LAMPP$ cat biodata.txt
123170029
jundi@jundi-server:~/pertemuan 2 LAMPP$
```

12. nano biodata.txt



13. cat biodata.txt

14. tail biodata.txt

```
jundi@jundi-server:~/pertemuan 2 LAMPP$ tail biodata.txt

11
12
13
14
15
16
17
18
19
20
jundi@jundi-server:~/pertemuan 2 LAMPP$
```

= menampilkan isi pada sebuah folder

mkdir = membuat direktori

1s -1 = menampilkan isi dengan tampilan list

cp = melakukan copy

mv = mengubah nama file/folder

ed = mengubah posisi direktori

nano = editor file di linux

cat = menampilkan tulisan yang ada dalam file

tail = menampilkan bagian akhir dari file