

## LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING

#### INSTALASI DAN KONFIGURASI LAYANAN FILE SHARING DENGAN FREENAS

#### **IDENTITAS:**

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NIM:	123170029
Kelas:	Α
Hari, Tanggal:	Kamis, 5 Maret 2020

#### **CONTOH ISIAN DAN PETUNJUK:**

1. [Contoh] Gunakan ISO FreeNAS-11.2-U5 di folder ISO Library



2. [Contoh] Deskripsikan parameter yang digunakan untuk keluar dari akun root

\$ exit

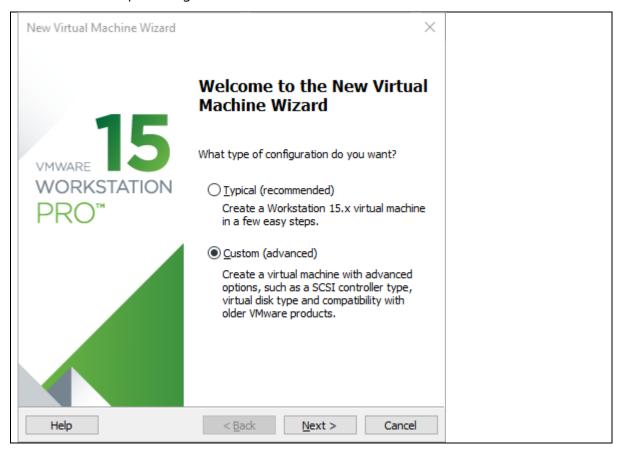
Perintah exit digunakan untuk keluar dari sesi akun aktif

3. **[Contoh]** Tampilkan pesan kesalahan pada saat login PHPMyAdmin

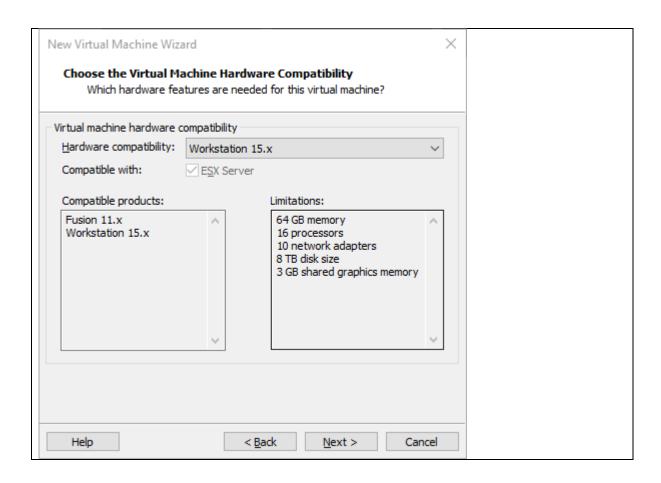


# **TUGAS BAGIAN PERTAMA – PEMBUATAN VM:**

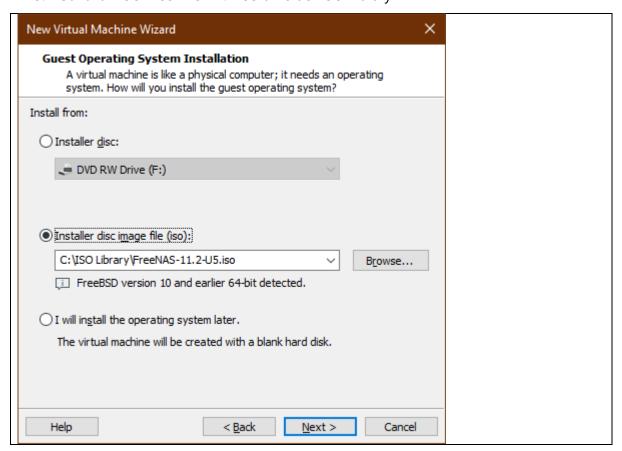
1. Gunakan opsi konfigurasi Custom



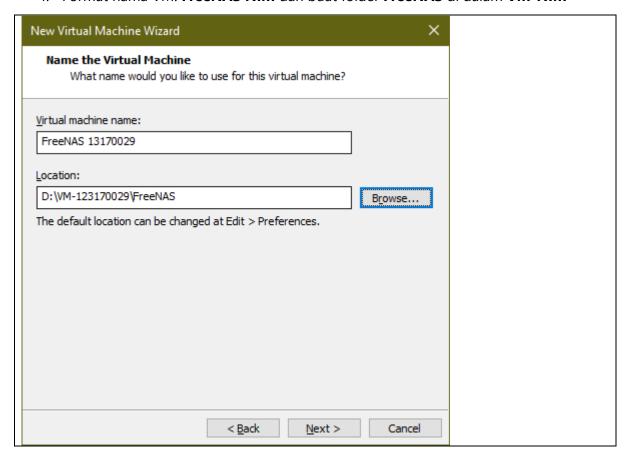
2. Gunakan compatibility Workstation 15.X



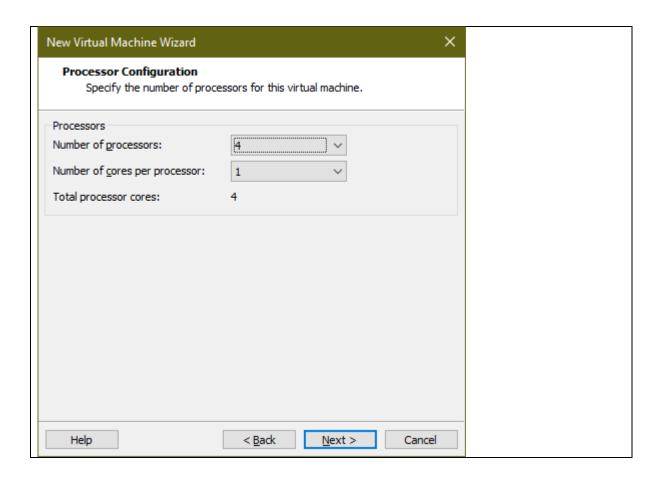
3. Gunakan ISO FreeNAS-11.2-U5 di folder ISO Library



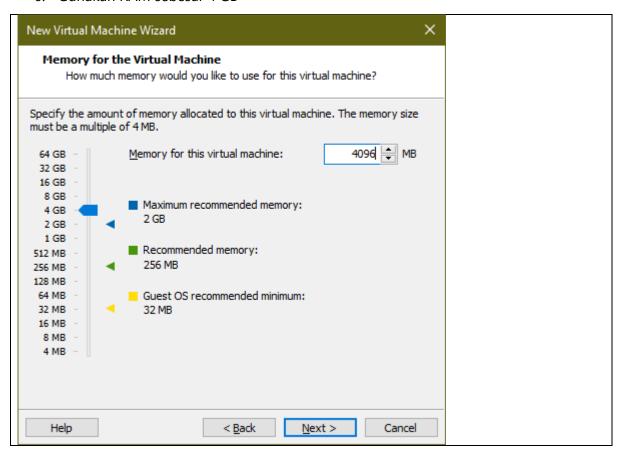
4. Format nama VM: FreeNAS NIM dan buat folder FreeNAS di dalam VM-NIM



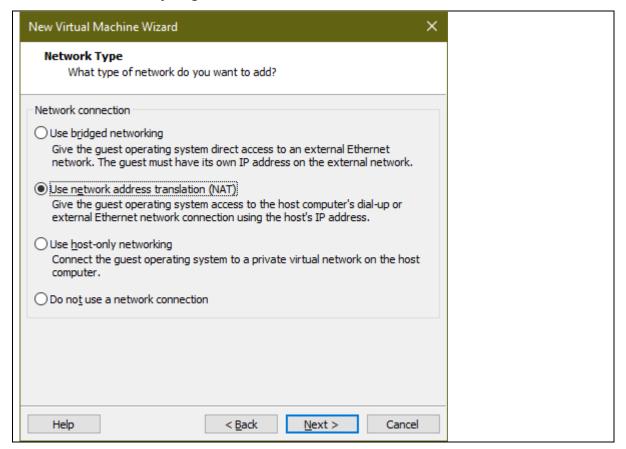
5. Gunakan 4 processor dan 1 core



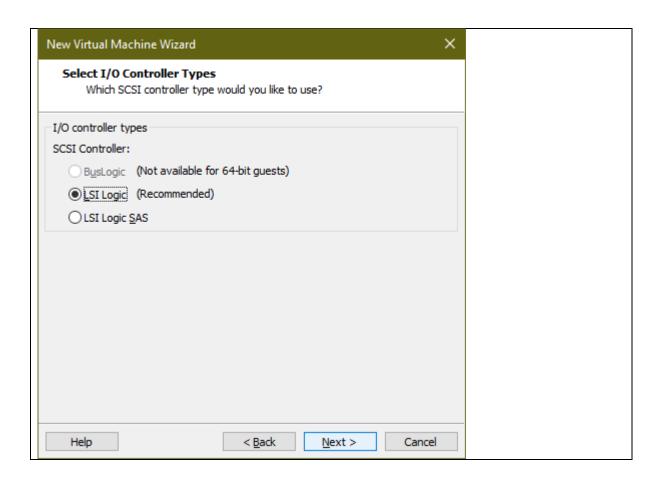
#### 6. Gunakan RAM sebesar 4 GB



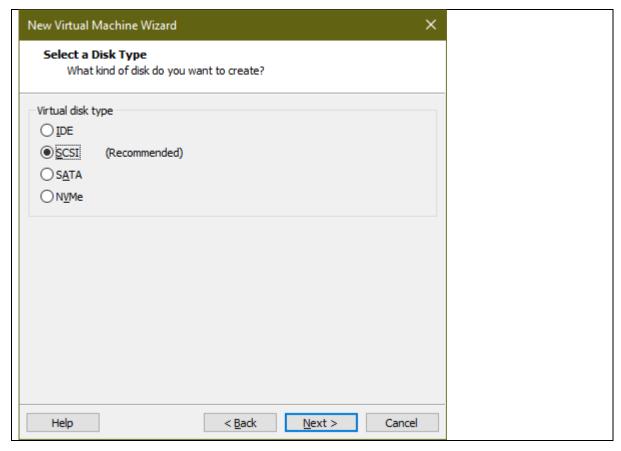
## 7. Gunakan mode jaringan NAT



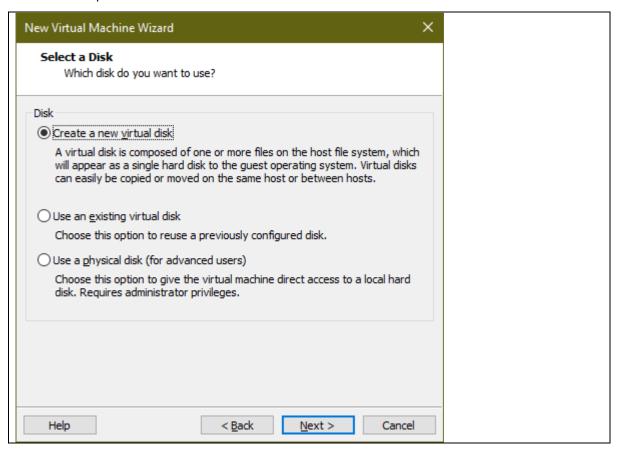
8. Gunakan pengaturan default I/O Controller



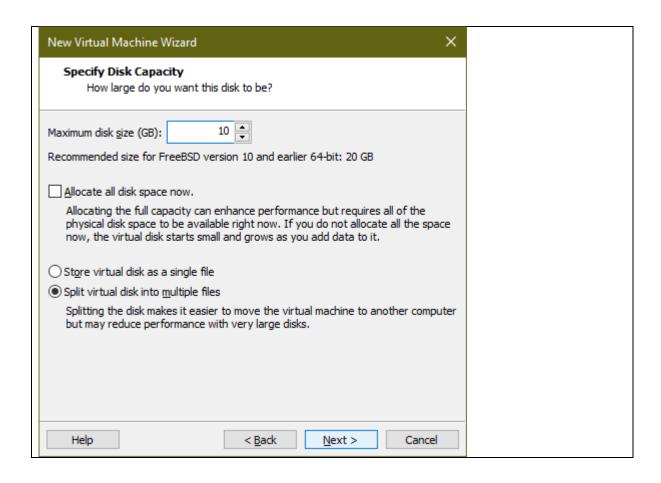
9. Gunakan pengaturan default Virtual Disk Type



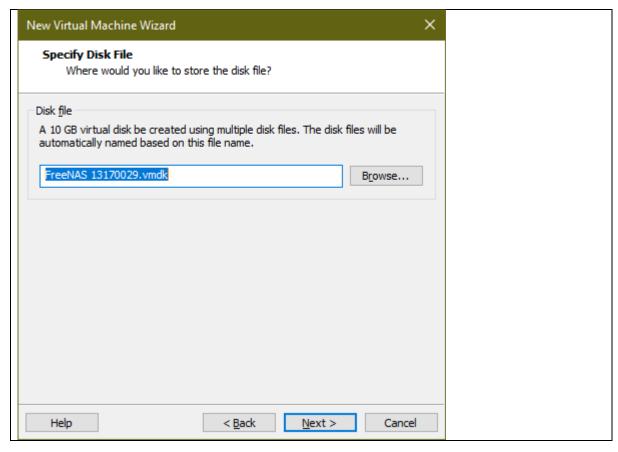
10. Pilih opsi buat virtual disk baru



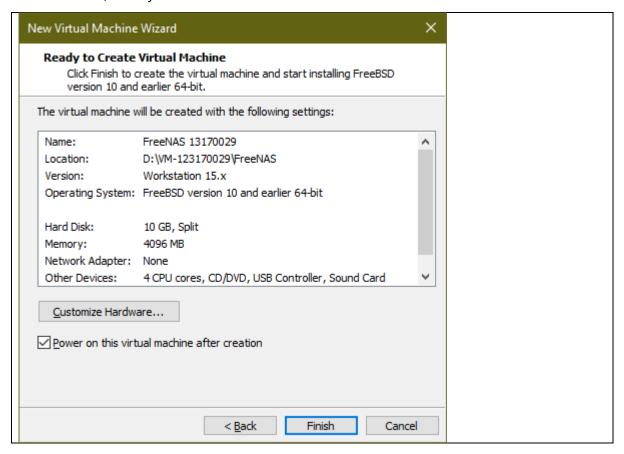
11. Buat disk untuk sistem sebesar 10 GB dengan mode Split dan hilangkan checklist allocate disk



# 12. Gunakan pengaturan default untuk nama disk

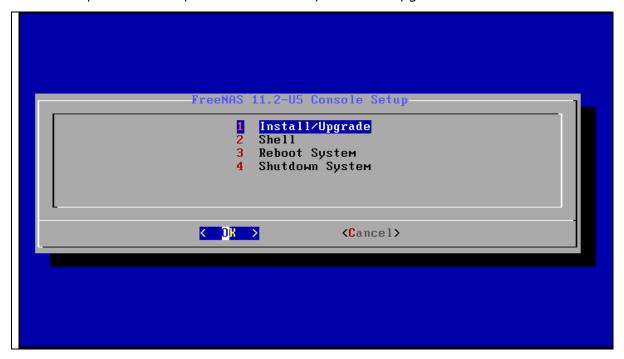


13. Tampilkan tangkapan layar dari ringkasan konfigurasi Virtual Machine (tahap akhir Wizard) lalu nyalakan VM

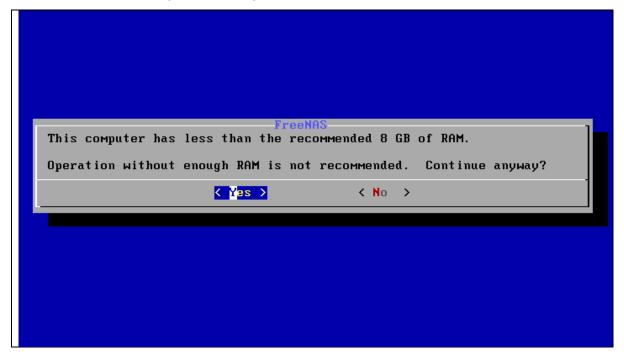


## **TUGAS BAGIAN KEDUA – INSTALASI FREENAS:**

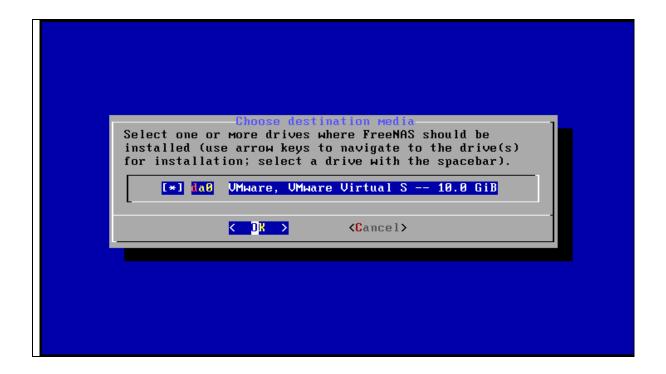
1. Tampilan awal tahap instalasi FreeNAS, pilih Install/Upgrade



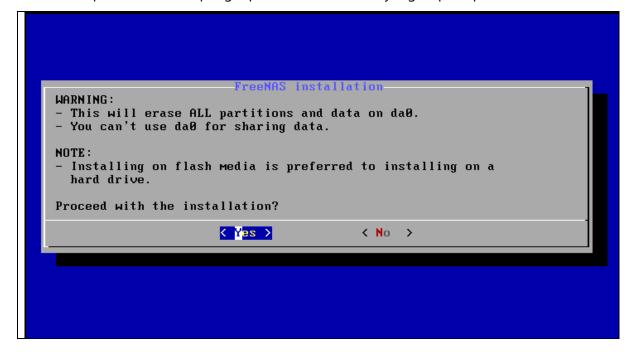
2. Tampilan warning RAM kurang dari 8GB, pilih Yes



3. Tampilan pemilihan destination media untuk dipasang FreeNAS, pilih da0



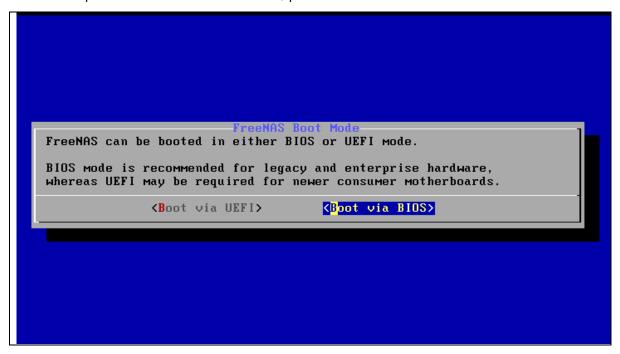
4. Tampilan konfirmasi penghapusan/format media yang terpilih, pilih Yes



5. Tampilan pengaturan kata sandi, gunakan NIM atau bebas



6. Tampilan mode boot dari FreeNAS, pilih BIOS

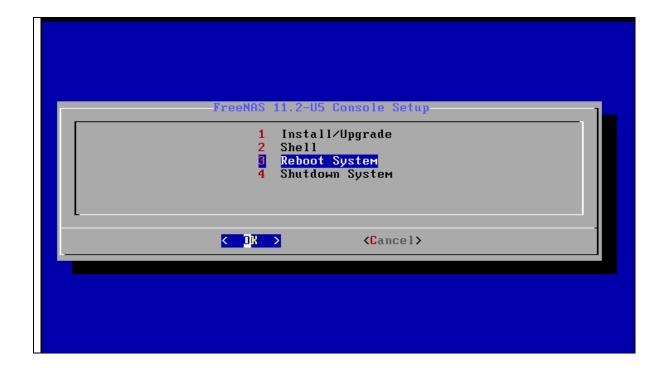


7. Tampilan proses instalasi FreeNAS

```
2+0 records in
2+0 records out
2097152 bytes transferred in 0.049000 secs (42799070 bytes/sec)
dd: /dev/da0: end of device
3+0 records in
2+0 records out
2097152 bytes transferred in 0.002937 secs (714121973 bytes/sec)
da0 created
da0p1 added
da0p2 added
gmirror: Invalid class паме.
da0 destroyed
da0 created
da0p1 added
da0p1 added
da0p1 added
da0p2 added
griror: Invalid class паме.
da0 destroyed
da0 created
da0p1 added
da0p2 added
active set on da0
random: unblocking device.
```

8. Tampilan hasil akhir proses instalasi FreeNAS, pilih OK kemudian pilih Reboot System





9. Tampilan proses booting menuju FreeNAS OS

```
,0xe0000-0xe7fff on isa0

ZFS NOTICE: Prefetch is disabled by default if less than 4GB of RAM is present; to enable, add "vfs.zfs.prefetch_disable=0" to /boot/loader.conf.

ZFS filesystem version: 5

ZFS storage pool version: features support (5000)

Timecounters tick every 10.000 msec freenas_sysctl: adding account.

freenas_sysctl: adding directoryservice.

freenas_sysctl: adding middlewared.

freenas_sysctl: adding network.

freenas_sysctl: adding services.

ipfw2 (+ipv6) initialized, divert enabled, nat enabled, default to accept, logging disabled

ugen0.1: <0x15ad UHCI root HUB> at usbus0

ugen1.1: <0x15ad EHCI root HUB> at usbus1

uhub0: <0x15ad UHCI root HUB, class 9/0, rev 1.00/1.00, addr 1> on usbus0

uhub1: <0x15ad EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usbus1

uhub0: 2 ports with 2 removable, self powered

ugen0.2: <UMware Umware Virtual USB Mouse> at usbus0

uhub2 on uhub0

uhub2: <UMware Virtual USB Hub> on usbus0

uhub1: 6 ports with 6 removable, self powered

uhub2: 7 ports with 7 removable, self powered
```

10. Tampilan hasil akhir booting yang menunjukkan Console Setup

Thu Mar 5 05:44:09 PST 2020

FreeBSD/amd64 (freenas.local) (ttyv0)

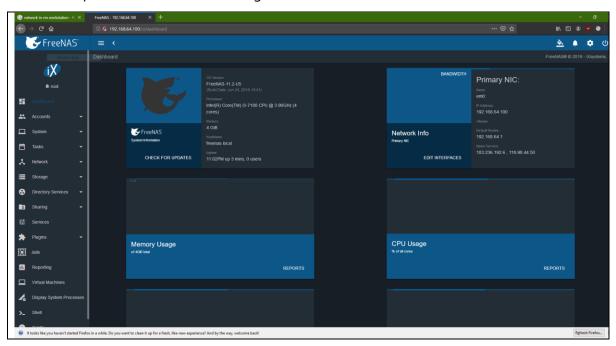
Console setup
------
1) Configure Network Interfaces
2) Configure Link Aggregation
3) Configure VLAN Interface
4) Configure Default Route
5) Configure Static Routes
6) Configure BNS
7) Reset Root Password
8) Reset Configuration to Defaults
9) Shell
10) Reboot
11) Shut Down

The web interface could not be accessed.
Please check network configuration.

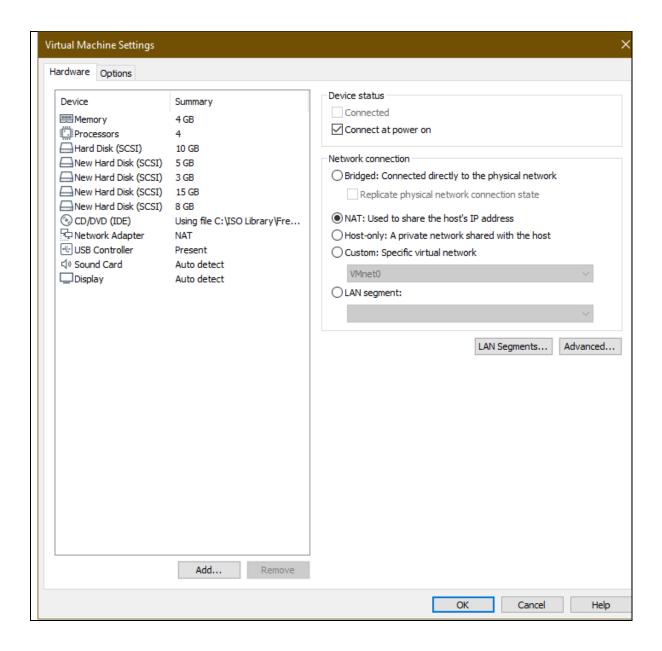
Enter an option from 1-11:

# TUGAS BAGIAN KETIGA – KONFIGURASI FREENAS:

1. Tampilan dashboard setelah login FreeNAS



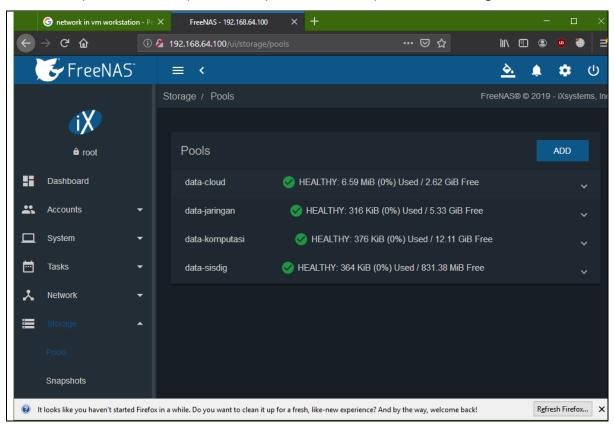
2. Tampilan konfigurasi VM pada Eksperimen #1



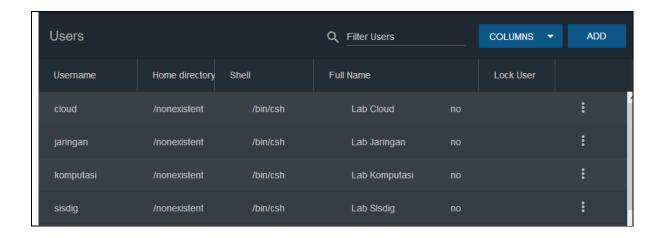
3. Tampilan IP pada dashboard Console Setup pada Eksperimen #2

```
Thu Mar 5 05:59:29 PST 2020
FreeBSD/amd64 (freenas.local) (ttyv0)
Console setup
1) Configure Network Interfaces
2) Configure Link Aggregation
3) Configure VLAN Interface
4) Configure Default Route
5) Configure Static Routes
6) Configure DNS
7) Reset Root Password
8) Reset Configuration to Defaults
9) Shell
10) Reboot
11) Shut Down
The web user interface is at:
http://192.168.64.100
Enter an option from 1-11:
```

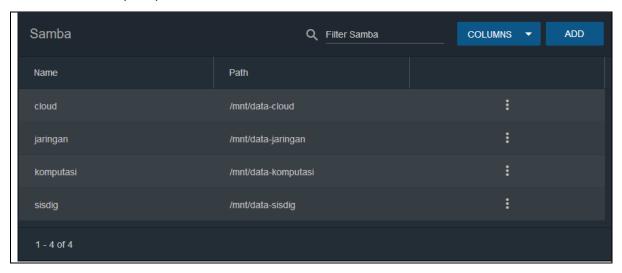
4. Tampilkan hasil dari pembuatan pools tambahan pada menu Storage -> Pools



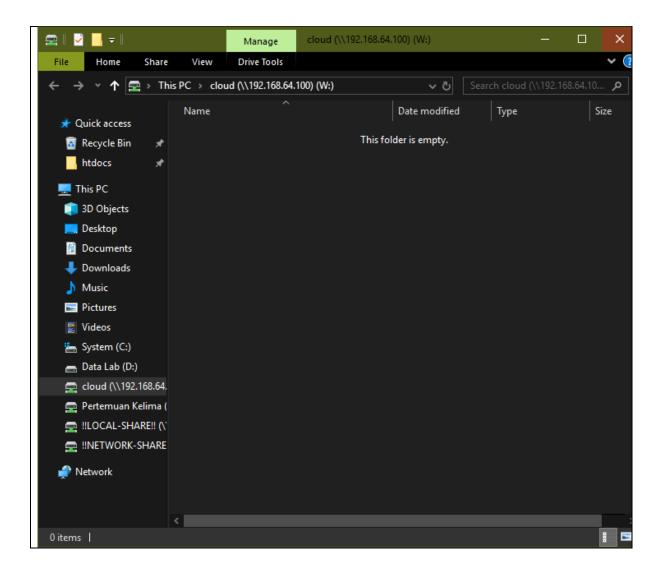
5. Tampilkan hasil dari pembuatan user tambahan pada menu Accounts -> Users



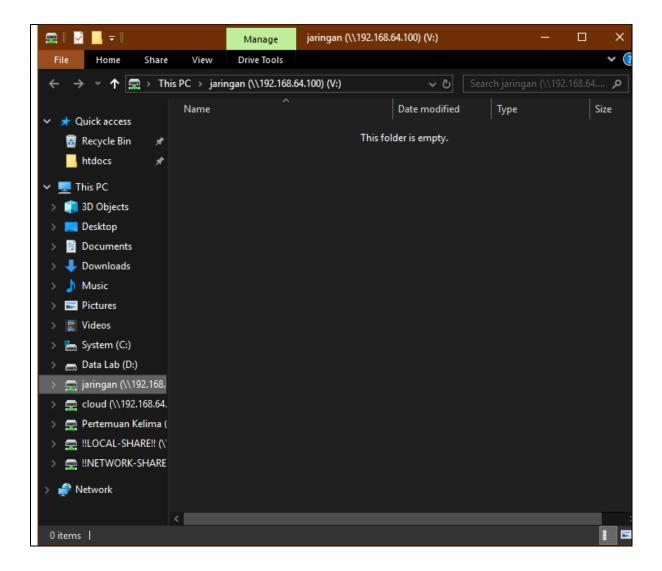
6. Tampilkan hasil dari pembuatan shares tambahan untuk 4 lab pada menu Sharing -> Windows (SMB) Shares



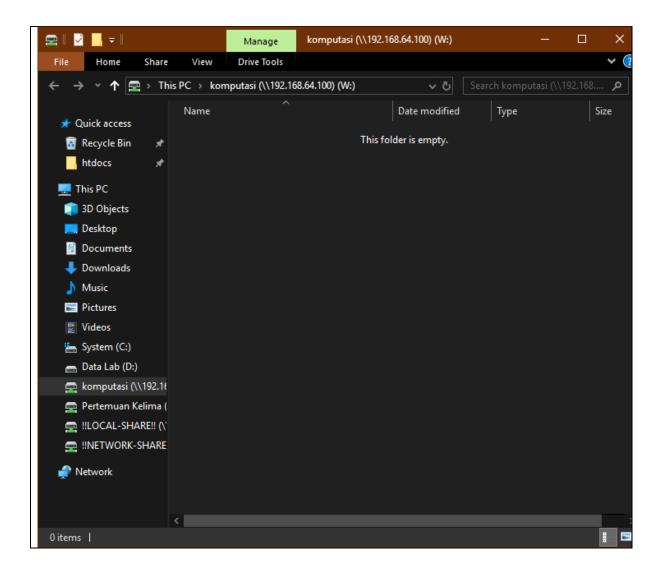
7. Tampilkan hasil akses shares pada Windows Explorer (hasil mapping) untuk Lab Cloud (yang pertama kali dibuat)



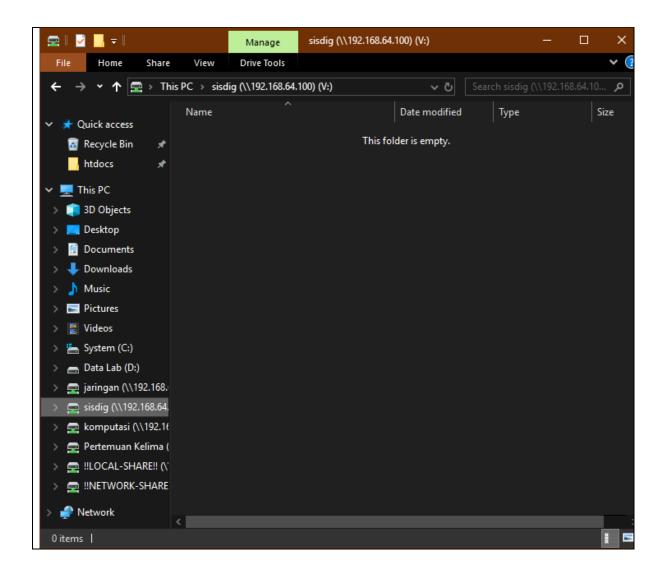
8. Tampilkan hasil akses shares untuk Lab Jaringan



9. Tampilkan hasil akses shares untuk Lab Komputasi



10. Tampilkan hasil akses shares untuk Lab Sisdig



# DOKUMENTASI PERTEMUAN KELIMA (BILA ADA)