LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING

INSTALASI DAN KONFIGURASI LAYANAN FILE SHARING DENGAN FREENAS

IDENTITAS:

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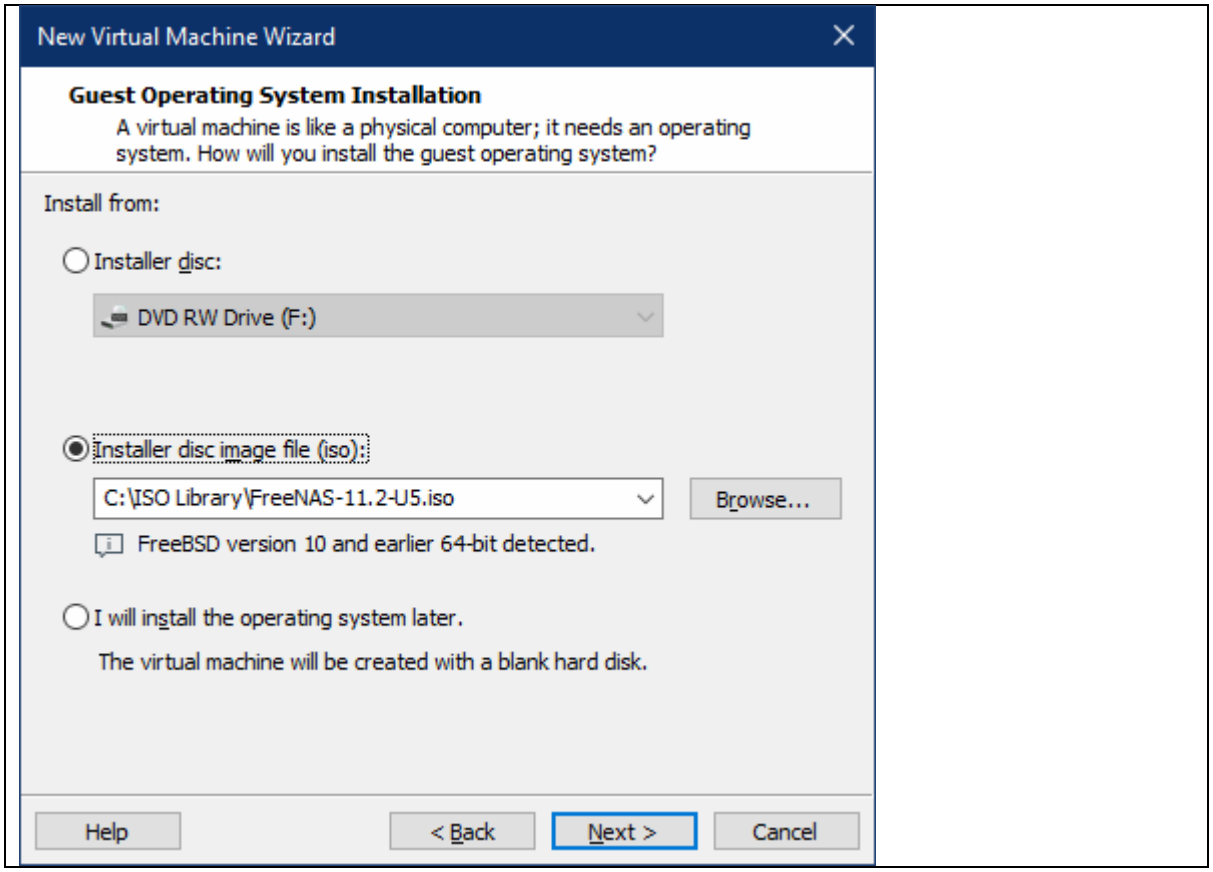
NIM:	**123170104**
Kelas:	**B**
Hari, Tanggal:	**Kamis, 05 Maret 2020**

CONTOH ISIAN DAN PETUNJUK:

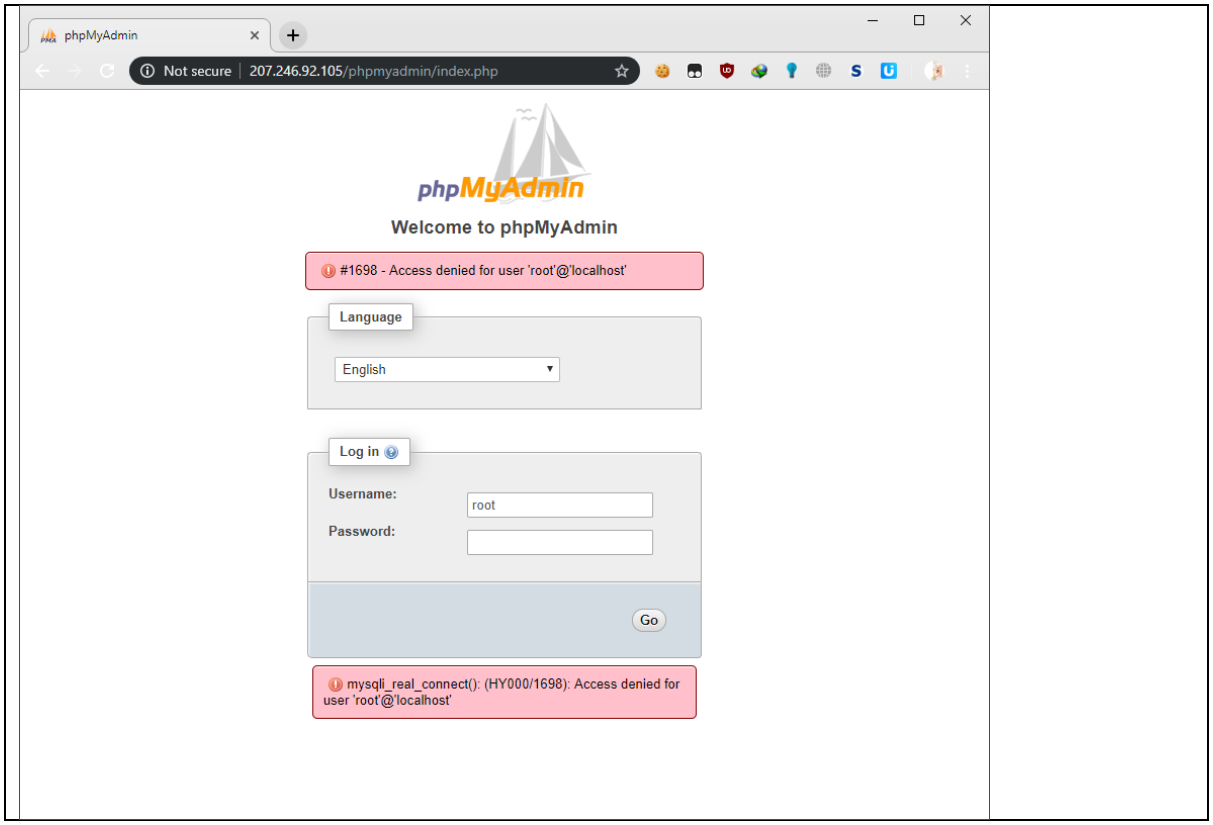
1. **[Contoh]** Gunakan ISO FreeNAS-11.2-U5 di folder ISO Library



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

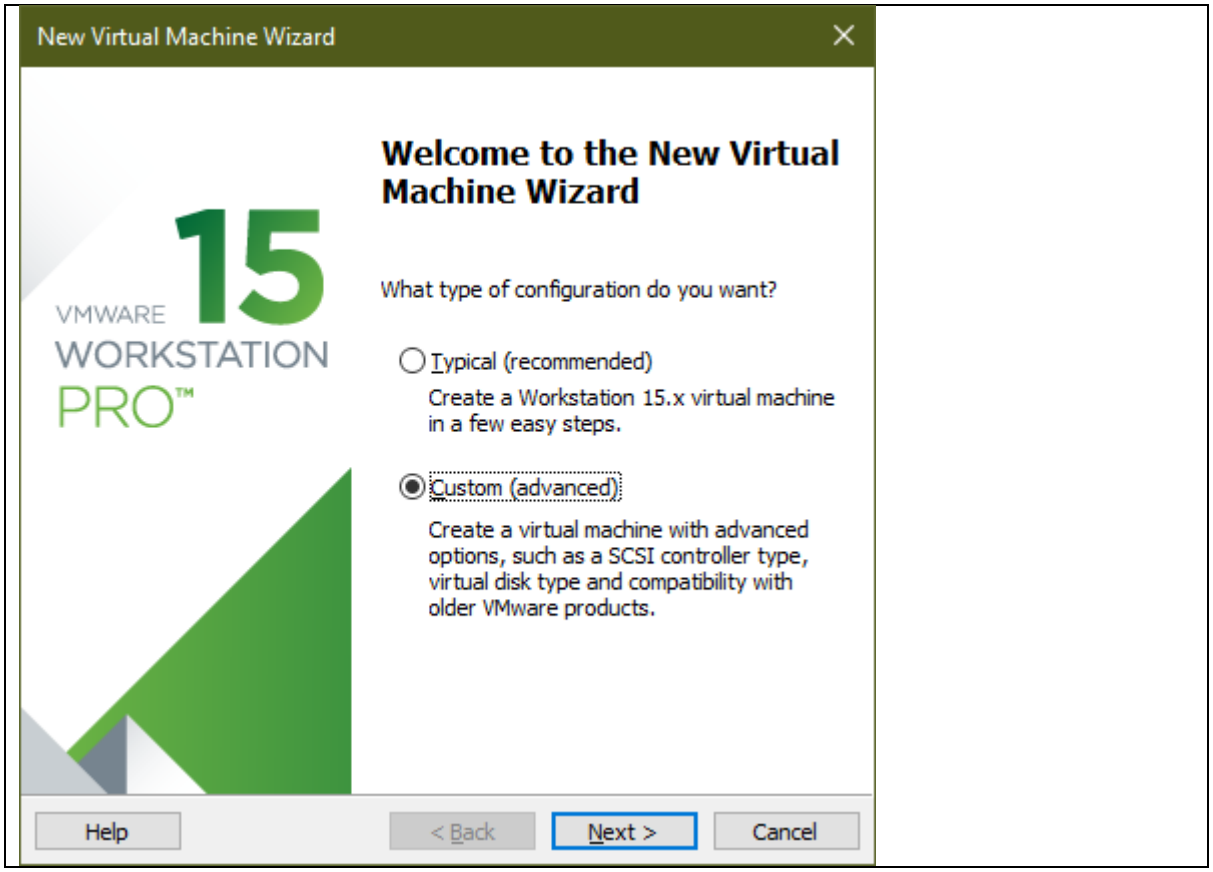
```
$ exit

Perintah exit digunakan untuk keluar dari sesi akun aktif
```

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

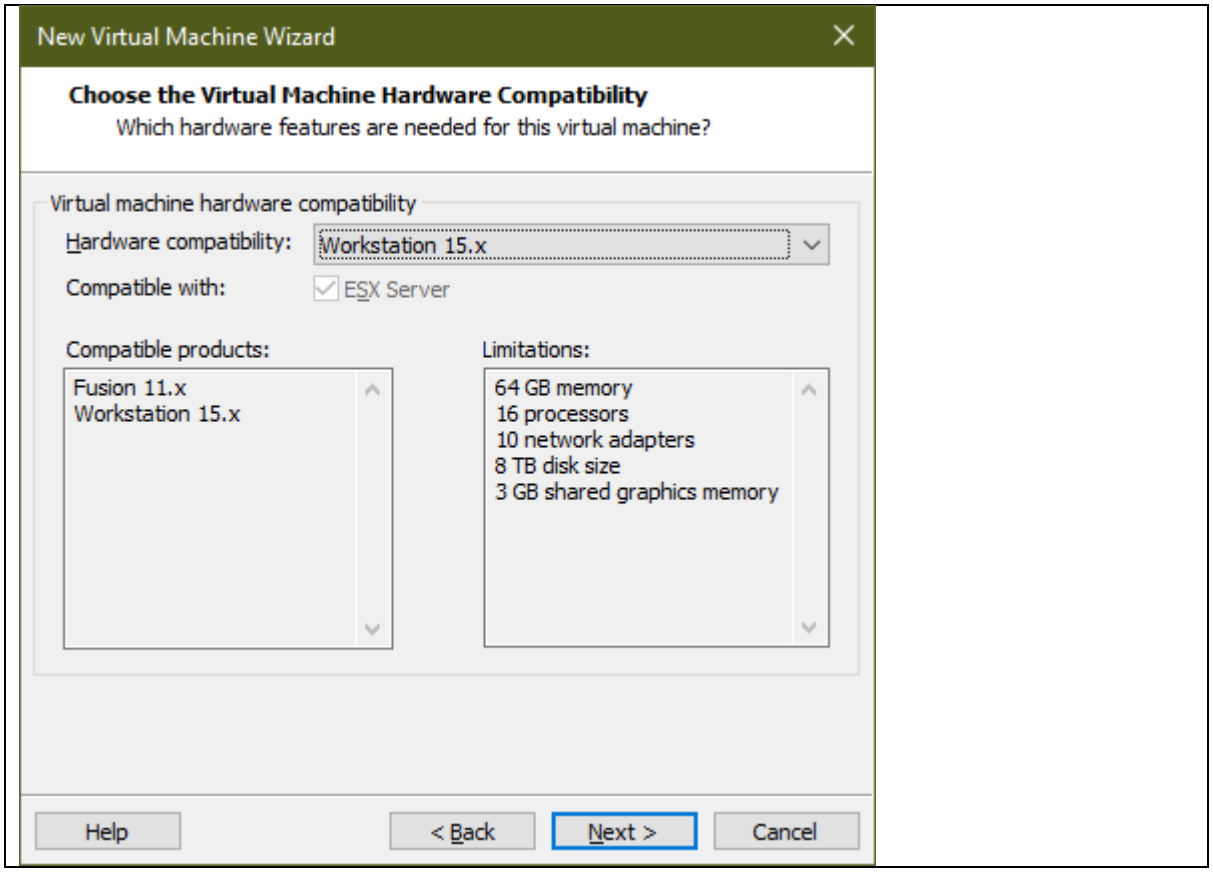


TUGAS BAGIAN PERTAMA – PEMBUATAN VM:

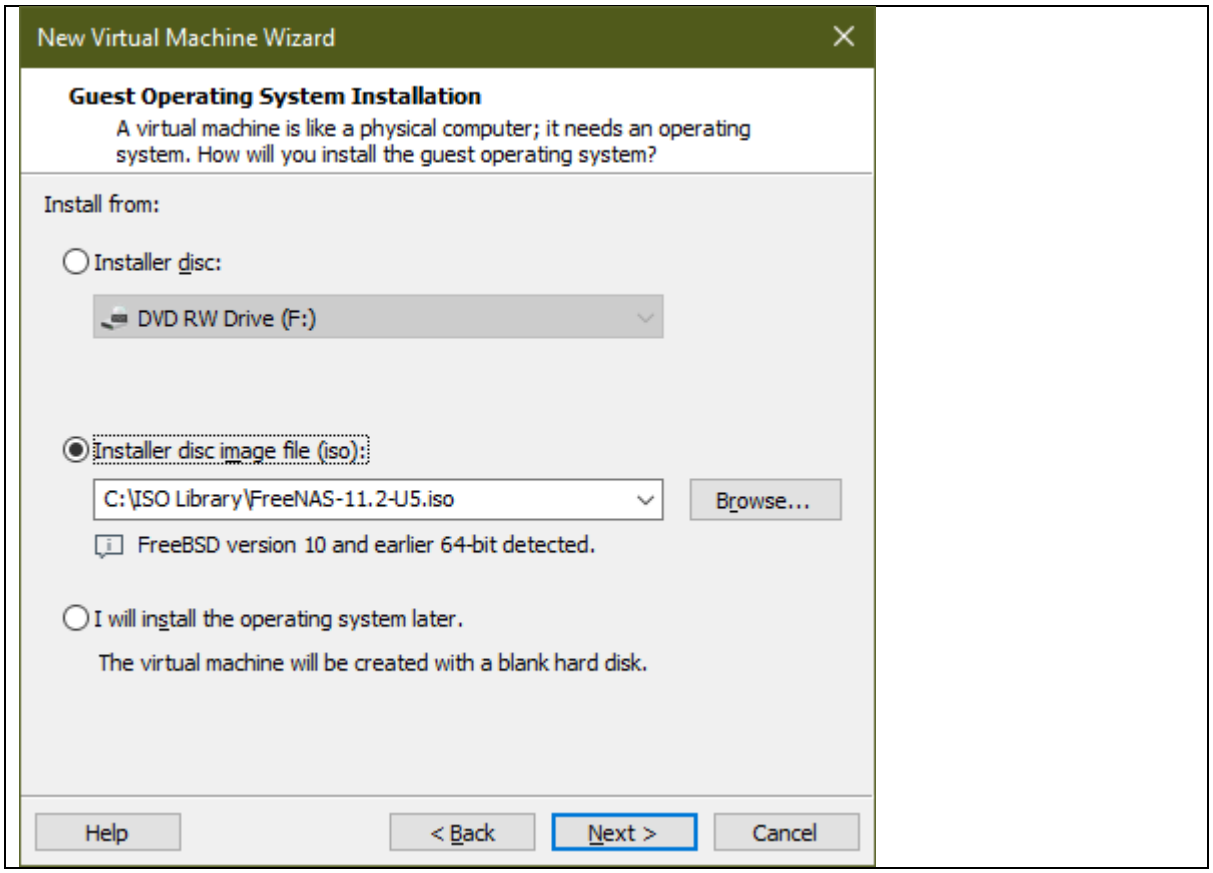
1. Gunakan opsi konfigurasi Custom



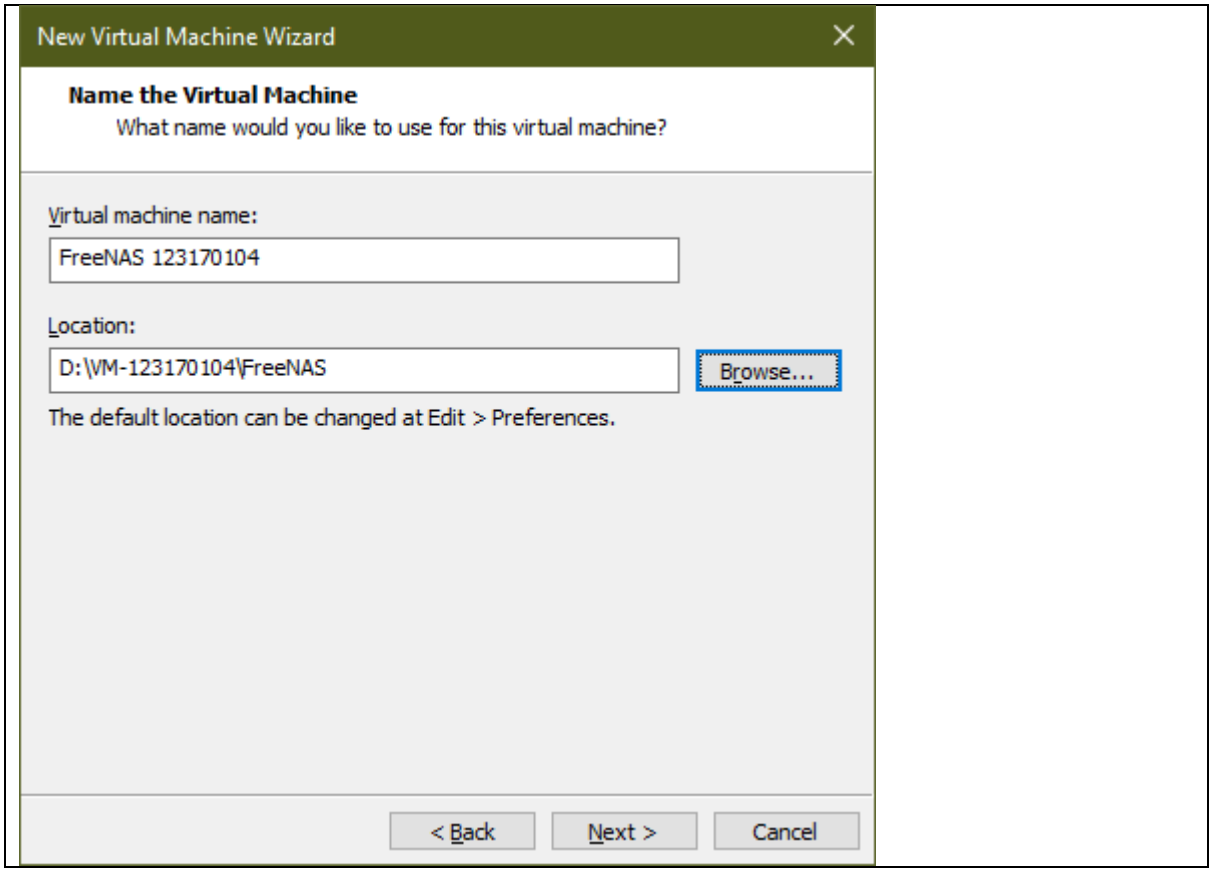
2. Gunakan compatibility Workstation 15.X



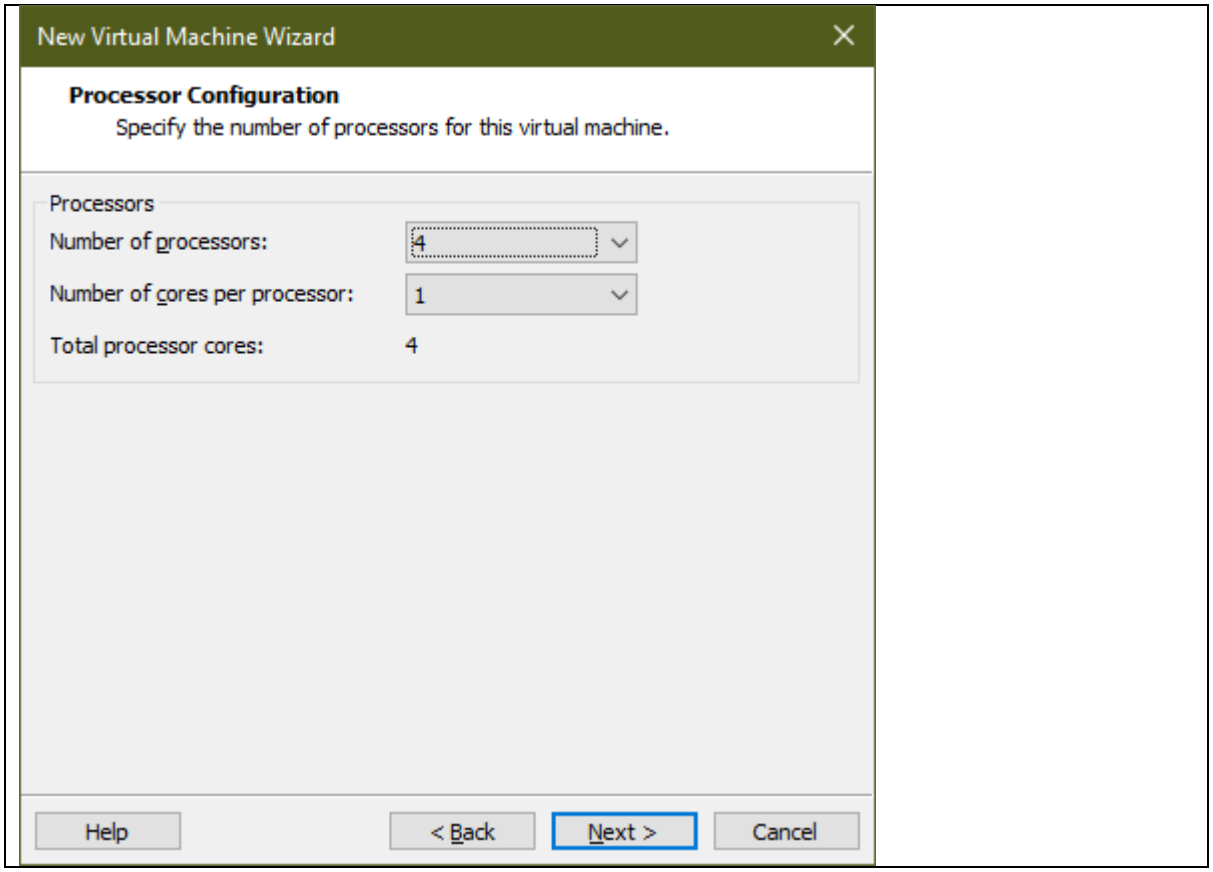
3. Gunakan ISO FreeNAS-11.2-U5 di folder ISO Library



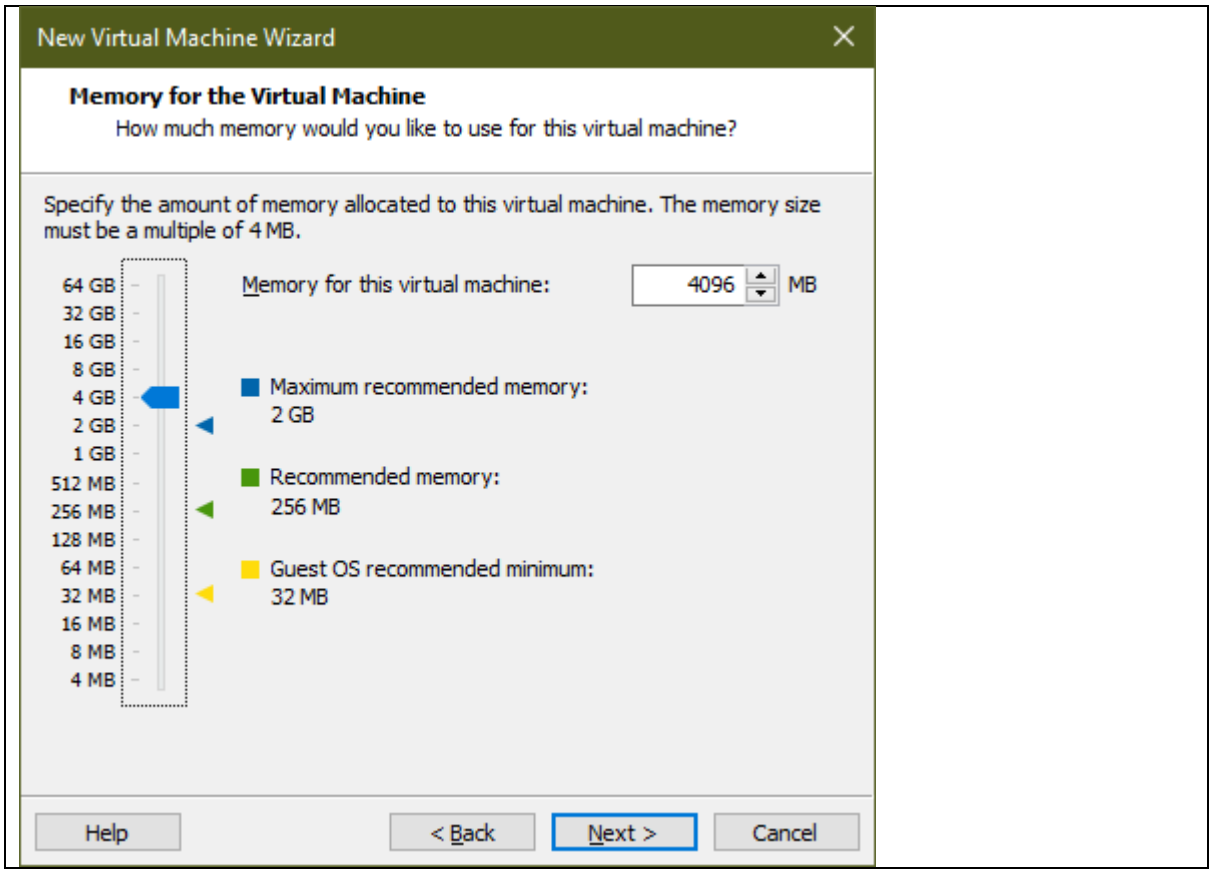
4. Format nama VM: **FreeNAS NIM** dan buat folder **FreeNAS** di dalam **VM-NIM**



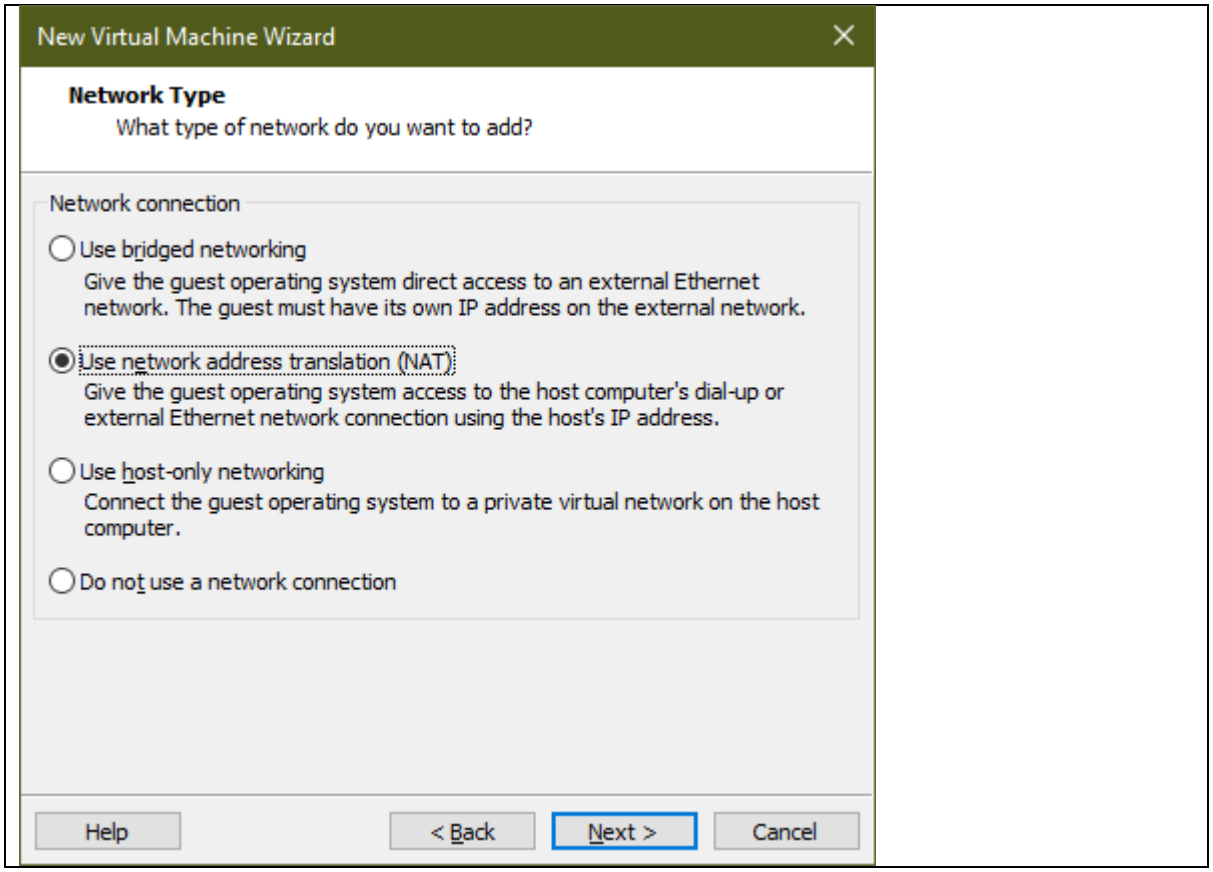
5. Gunakan 4 processor dan 1 core



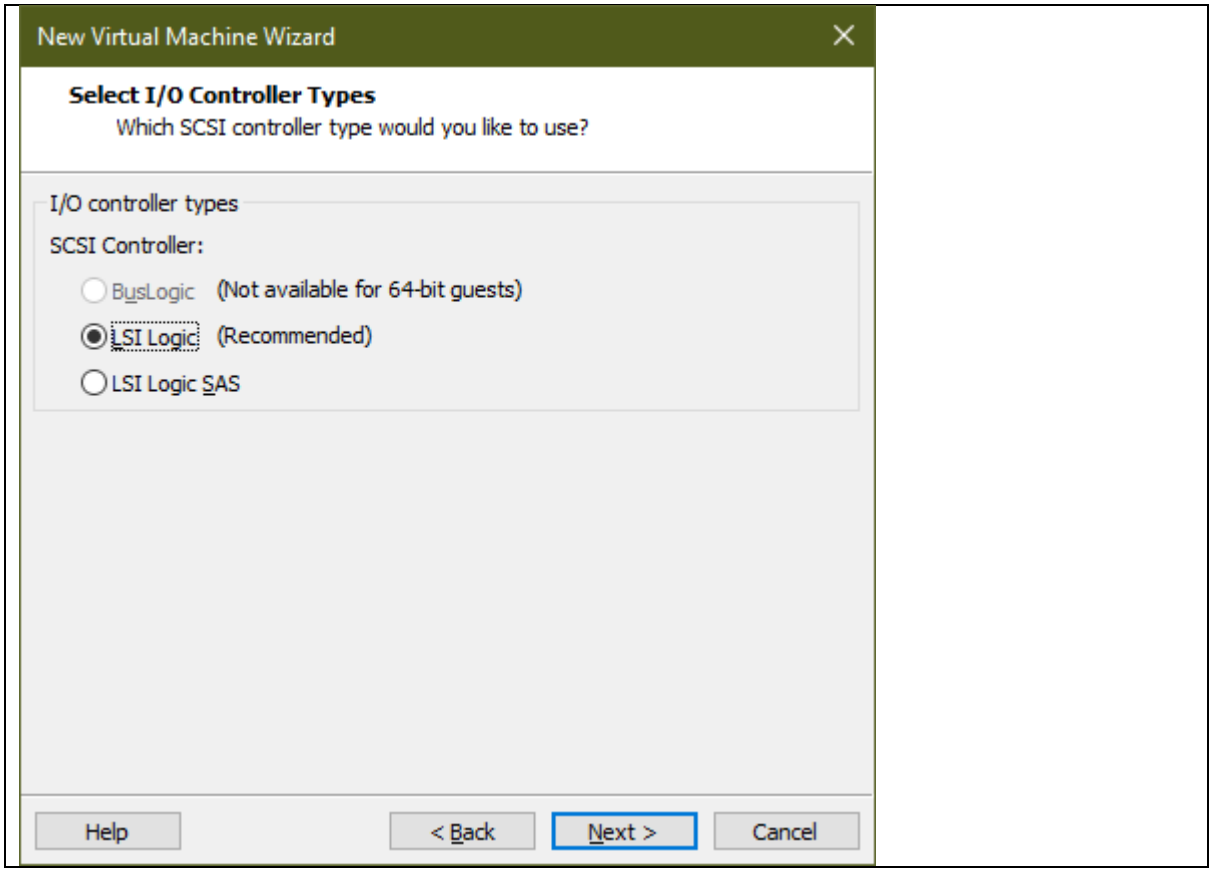
6. Gunakan RAM sebesar 4 GB



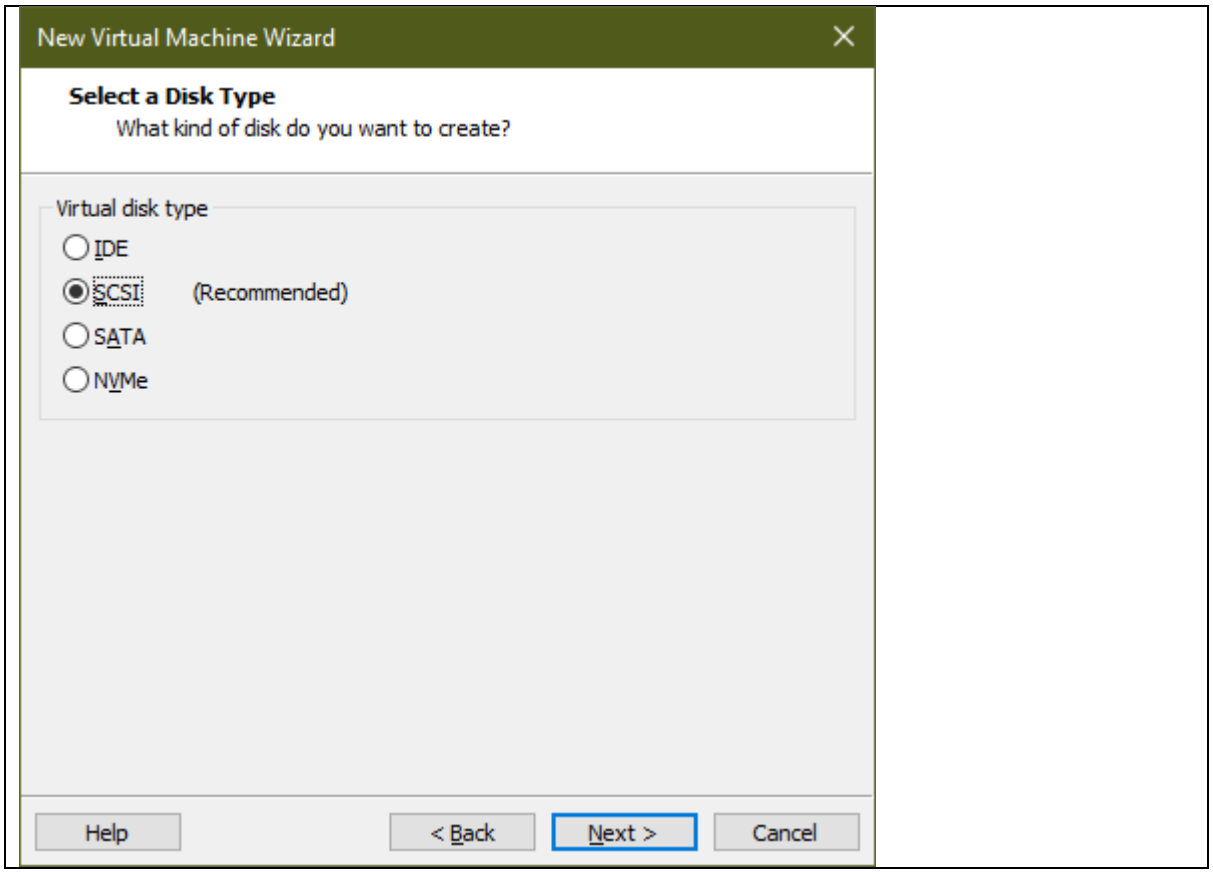
7. Gunakan mode jaringan NAT



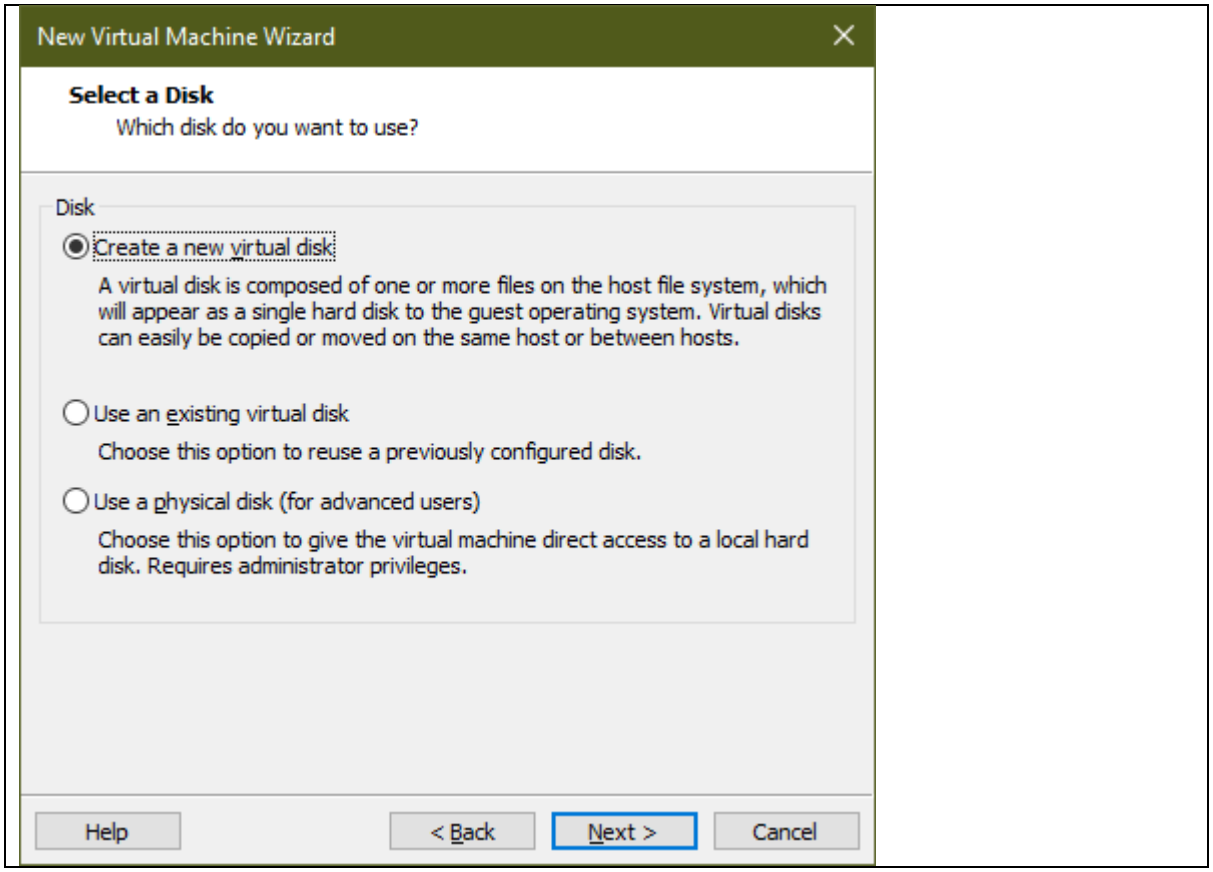
8. Gunakan pengaturan default I/O Controller



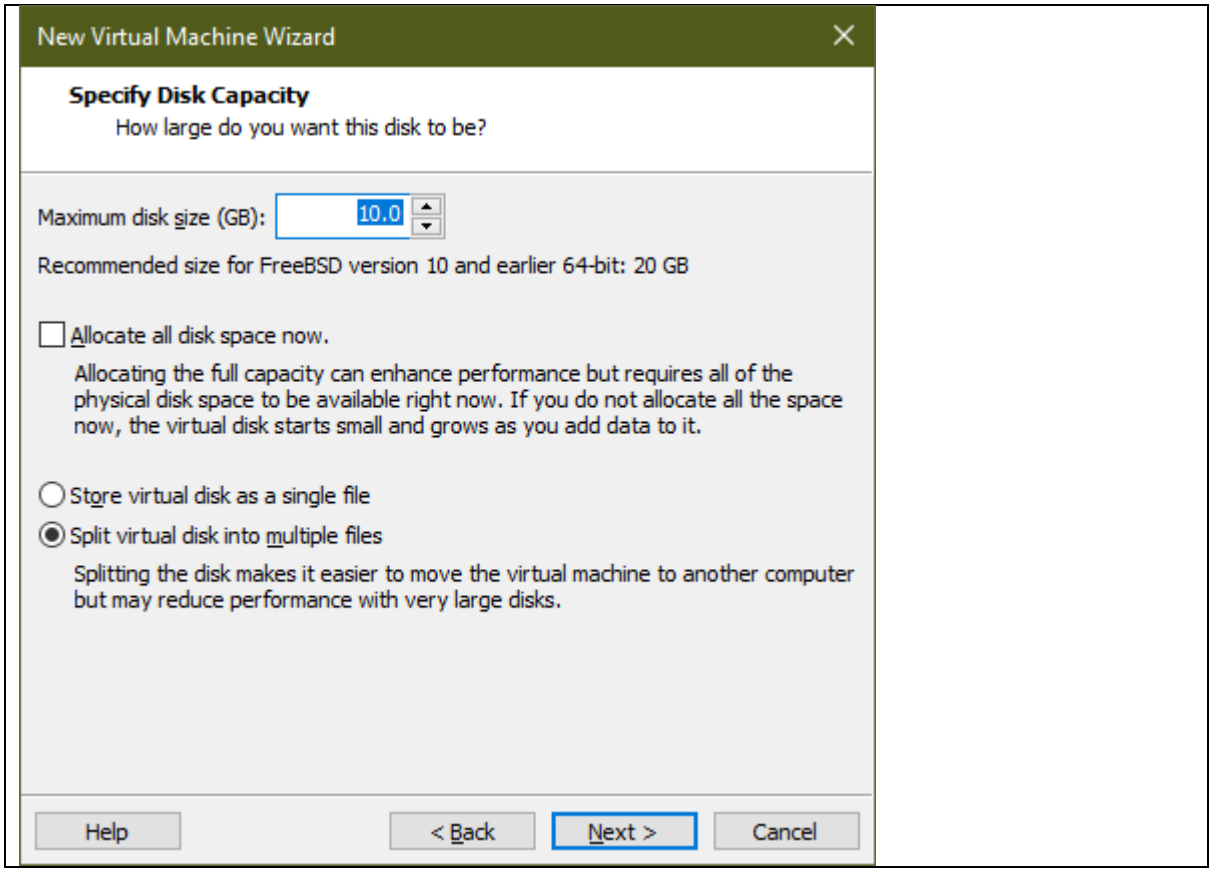
9. Gunakan pengaturan default Virtual Disk Type



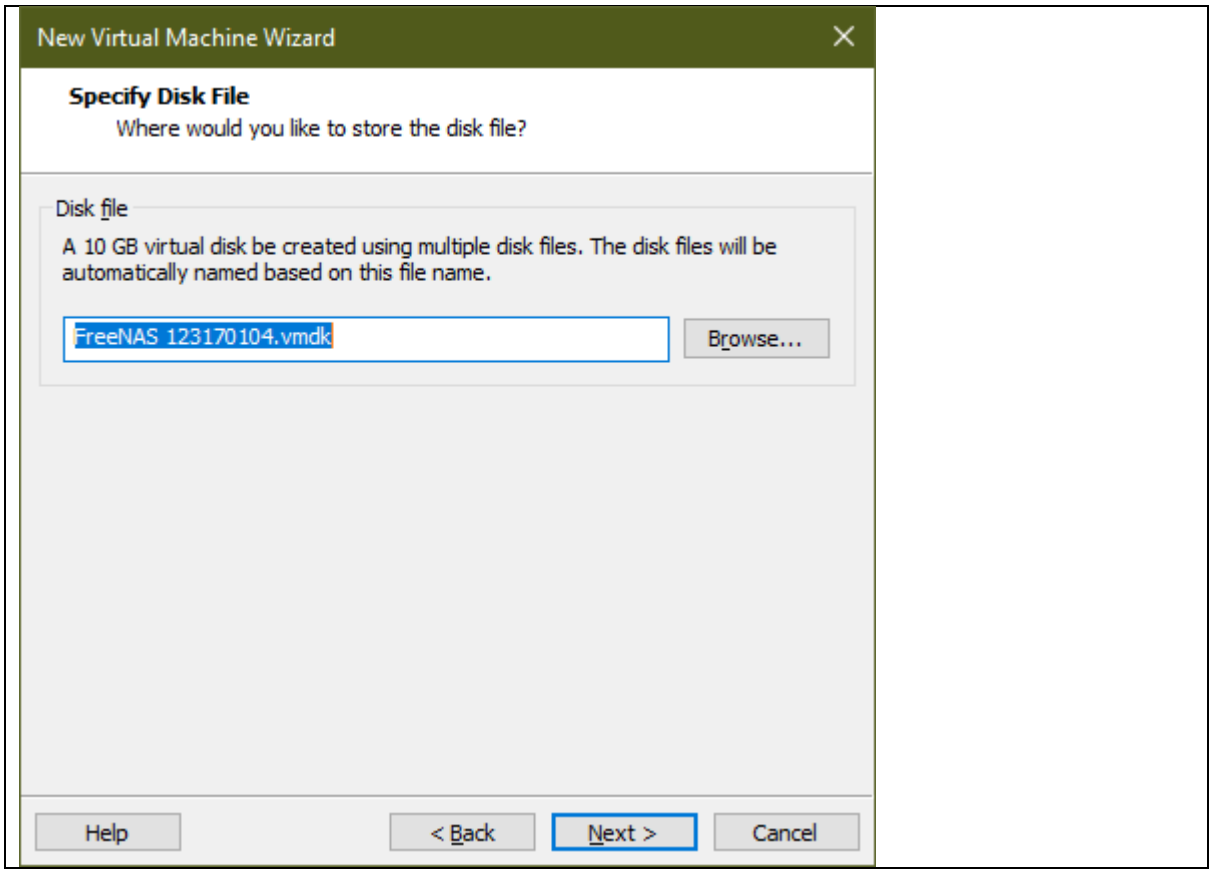
10. Pilih opsi buat virtual disk baru



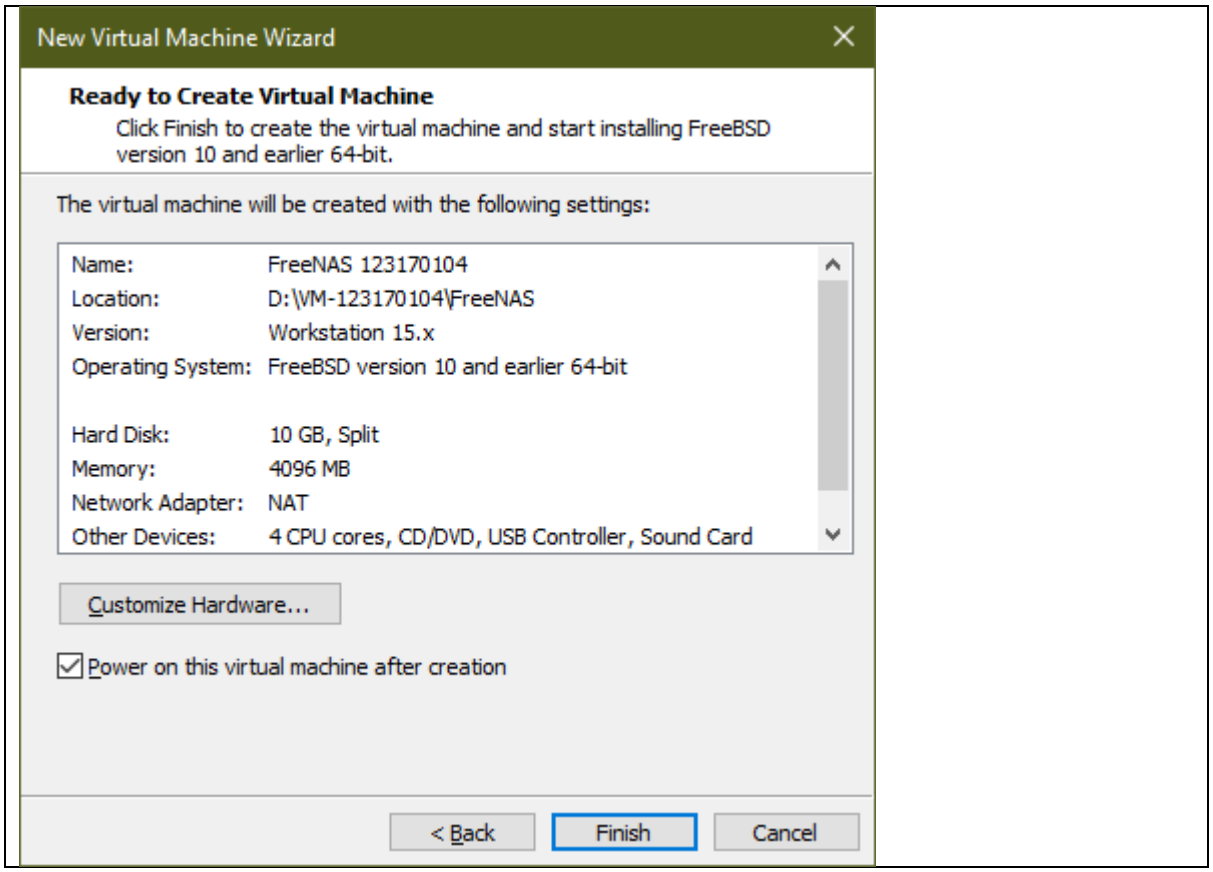
11. Buat disk untuk sistem sebesar 10 GB dengan mode Split dan hilangkan checklist allocate disk



12. Gunakan pengaturan default untuk nama disk

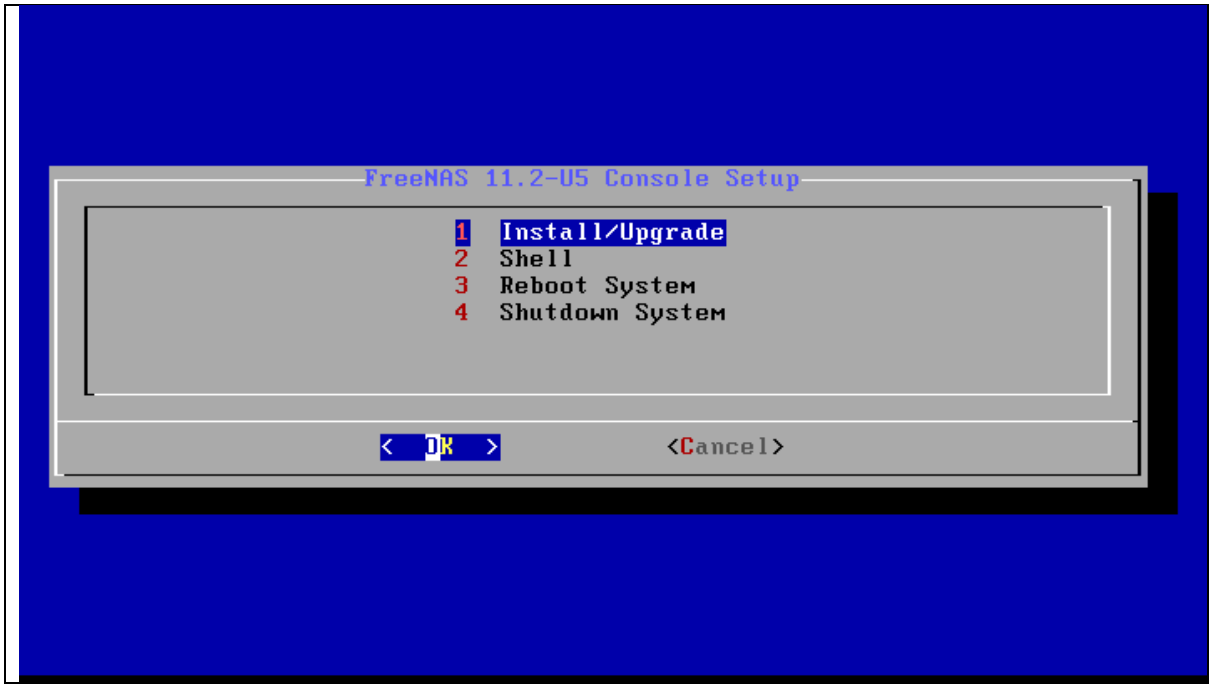


13. Tampilkan tangkapan layar dari ringkasan konfigurasi Virtual Machine (tahap akhir Wizard) lalu nyalakan VM



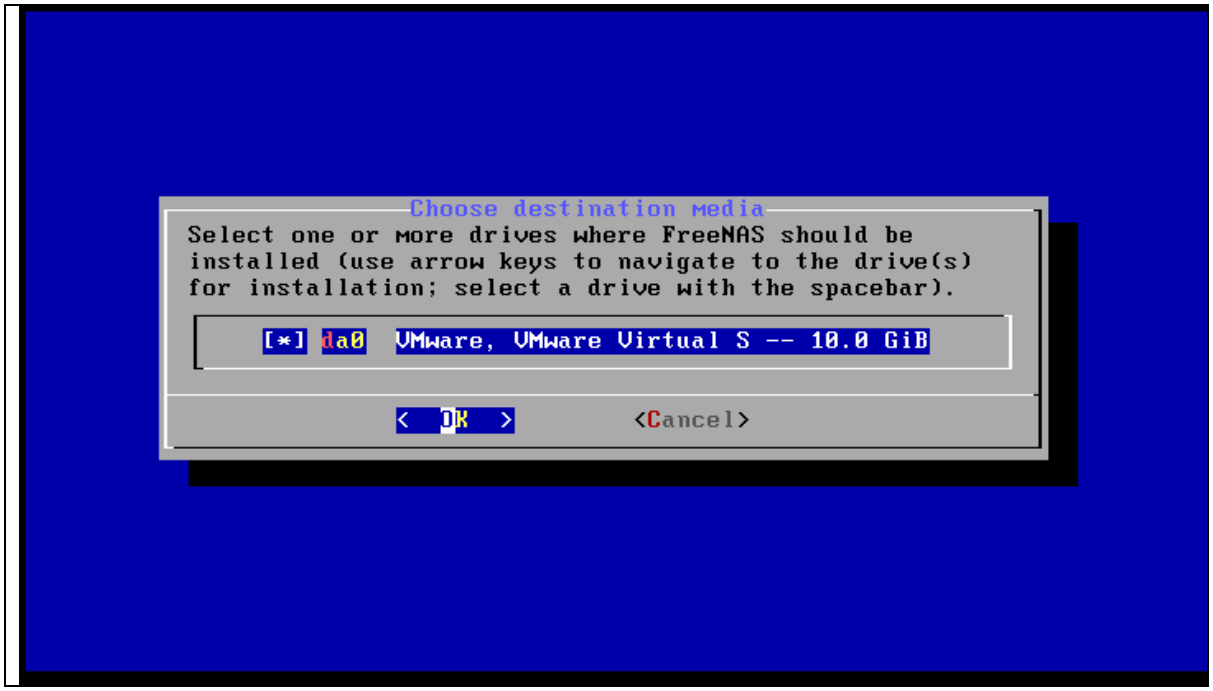
TUGAS BAGIAN KEDUA – INSTALASI FREENAS:

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



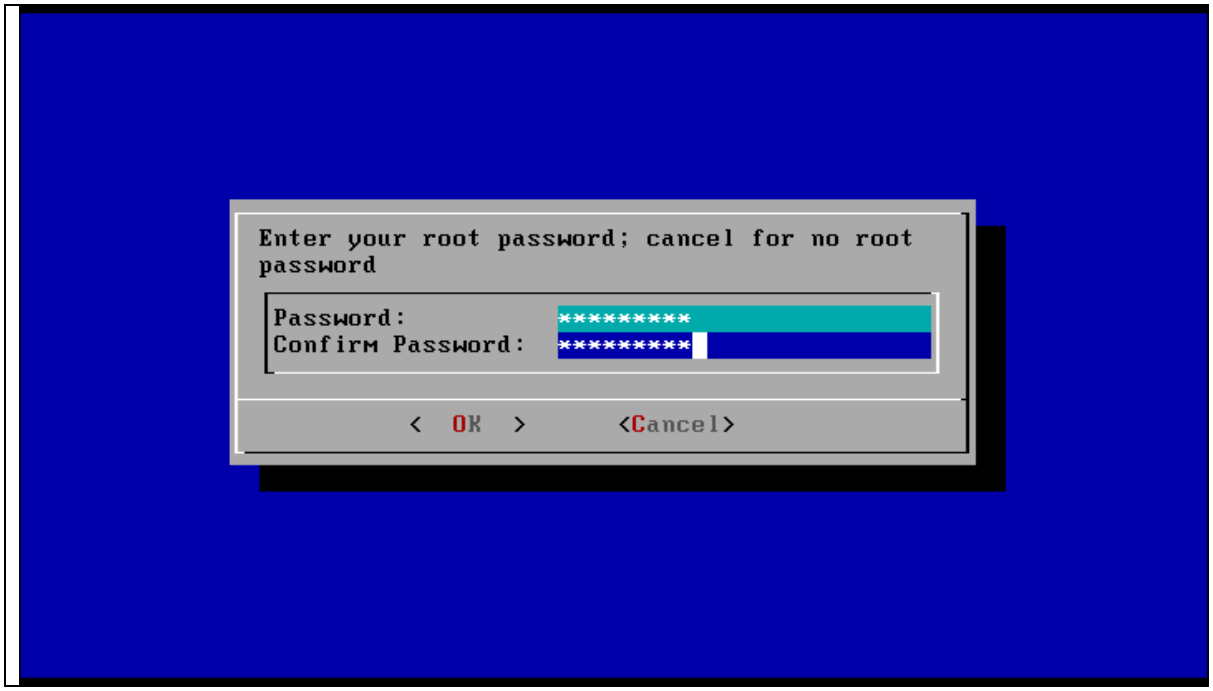
2. Tampilan warning RAM kurang dari 8GB, pilih Yes

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

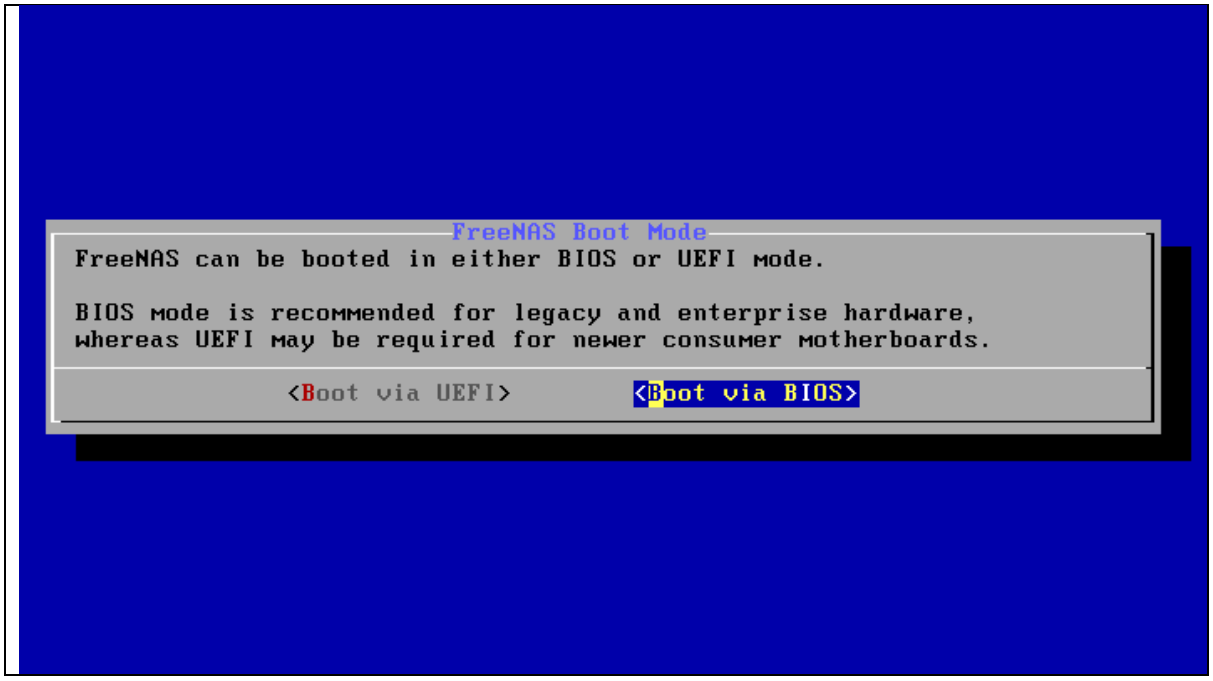


4. Tampilan konfirmasi penghapusan/format media yang terpilih, pilih Yes

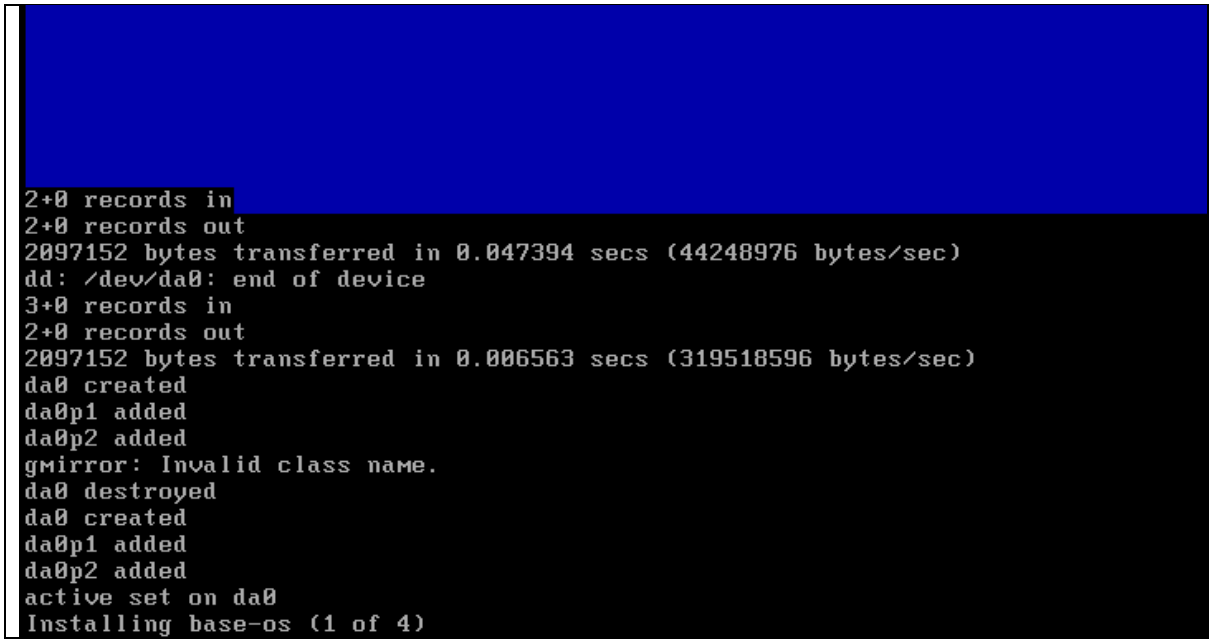
5. Tampilan pengaturan kata sandi, gunakan NIM atau bebas



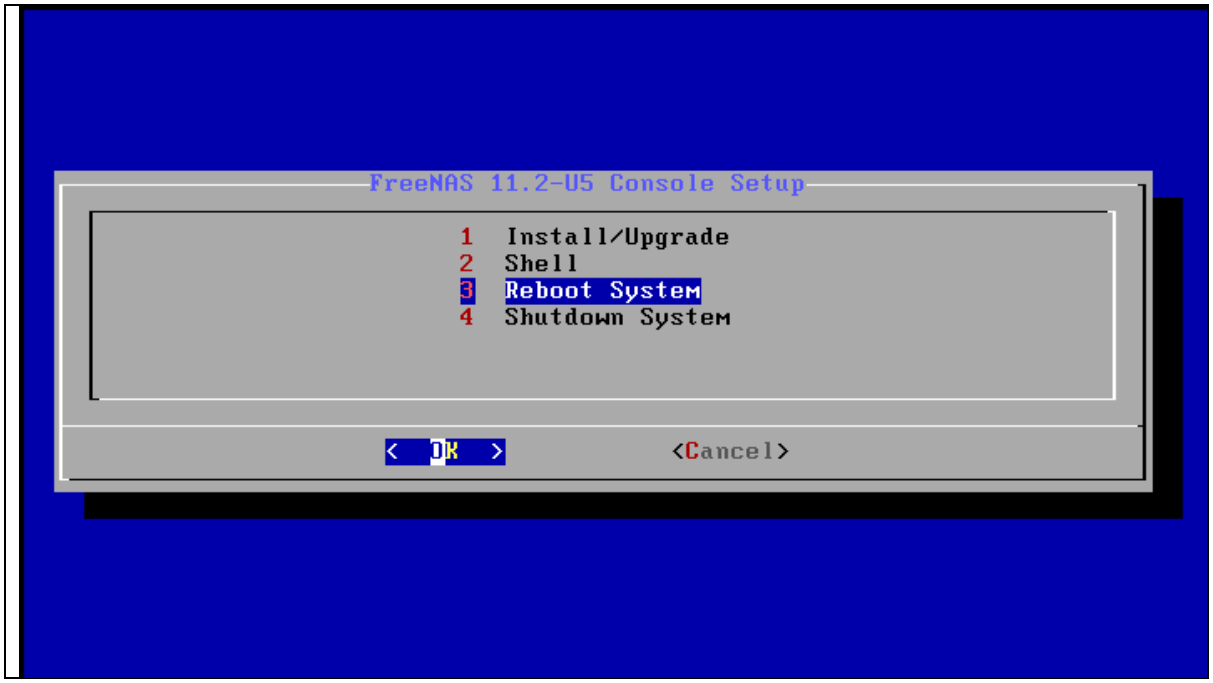
6. Tampilan mode boot dari FreeNAS, pilih BIOS



7. Tampilan proses instalasi FreeNAS



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



9. Tampilan proses booting menuju FreeNAS OS

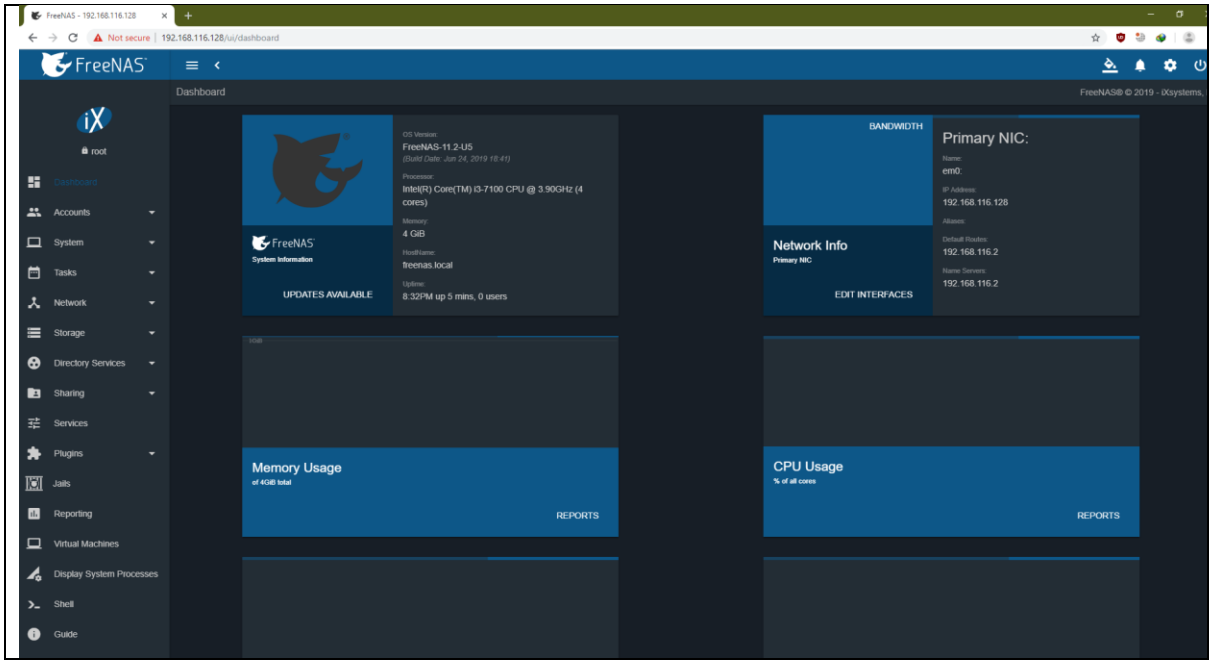
```
da0 at mpt0 bus 0 scbus2 target 0 lun 0
da0: <VMware, VMware Virtual S 1.0> Fixed Direct Access SCSI-2 device
da0: 320.000MB/s transfers (160.000MHz DT, offset 127, 16bit)
da0: Command Queueing enabled
da0: 10240MB (20971520 512 byte sectors)
da0: quirks=0x140<RETRY_BUSY,STRICT_UNMAP>
random: unblocking device.
Trying to mount root from zfs:freenas-boot/ROOT/default []...
middlewared: setting up plugins (alert) [10/17]            vmx_init: processor
does not support VMX operation
module_register_init: MOD_LOAD (vmm, 0xffffffff82a1c470, 0) error 6
middlewared: loading completed
Loading early kernel modules:
Total Progress: [########################################] 100.00%
/etc/rc: WARNING: hostid: unable to figure out a UUID from DMI data, generating
a new one
Setting hostuuid: 5710d077-5ed4-11ea-96ba-000c297c8231.
Setting hostid: 0x3a8ab8fa.
Starting file system checks:
Mounting local filesystems:.
Beginning ZFS volume imports


ZFS volume imports complete
```

10. Tampilan hasil akhir booting yang menunjukkan Console Setup

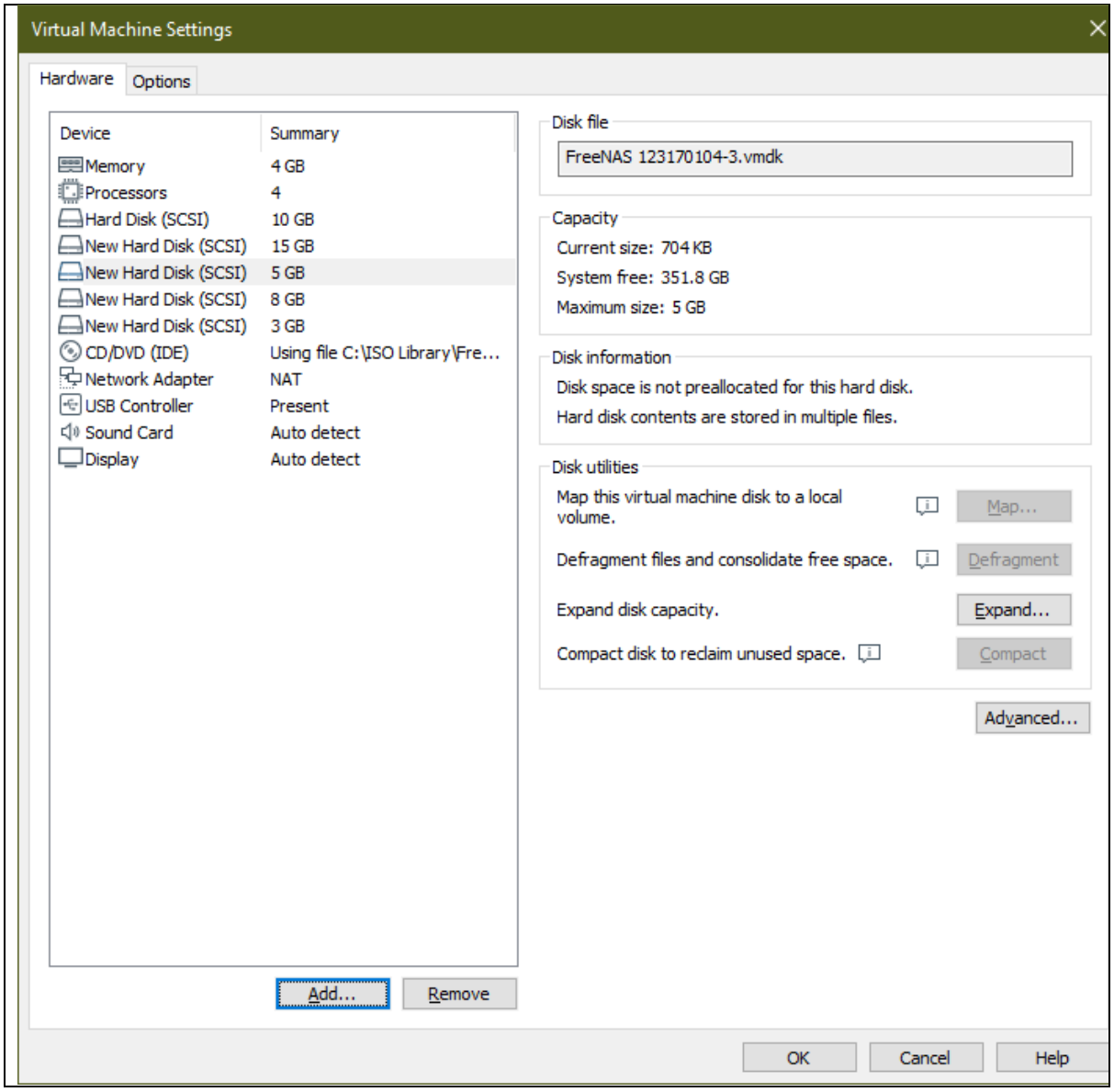
```
Wed Mar  4 20:29:26 PST 2020

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://192.168.116.128

Enter an option from 1-11:
```

TUGAS BAGIAN KETIGA – KONFIGURASI FREENAS:

1. Tampilan dashboard setelah login FreeNAS



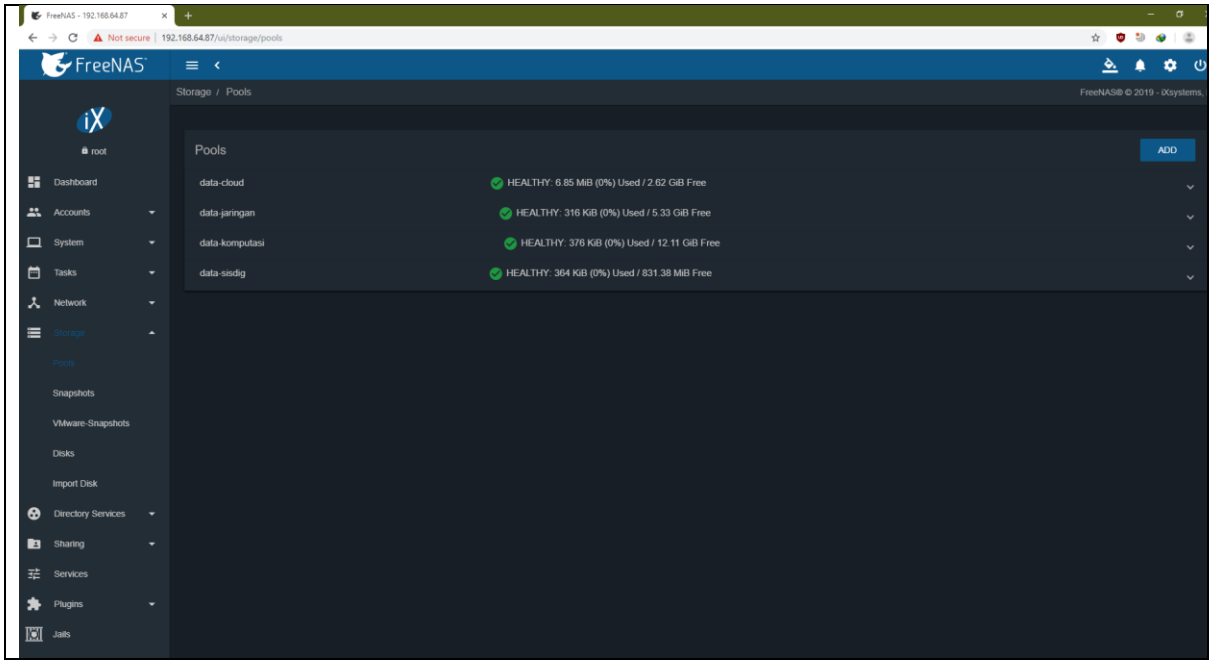
2. Tampilan konfigurasi VM pada Eksperimen #1



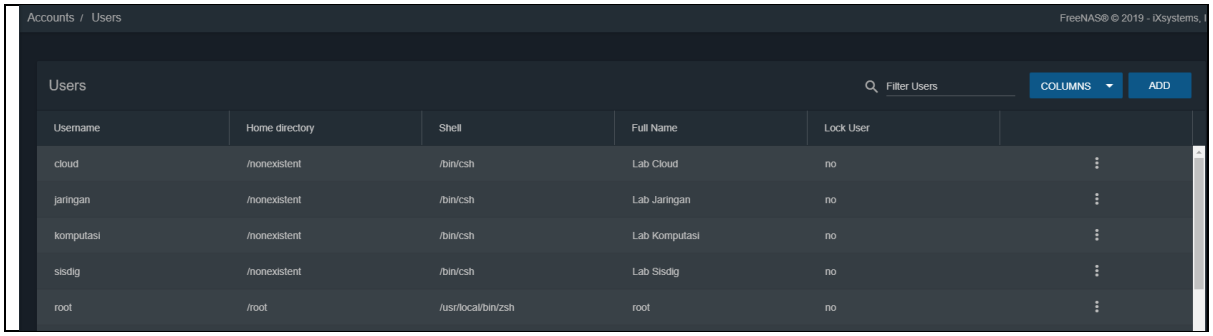
3. Tampilan IP pada dashboard Console Setup pada Eksperimen #2

```
Wed Mar  4 20:46:02 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://192.168.64.87

Enter an option from 1-11:
```

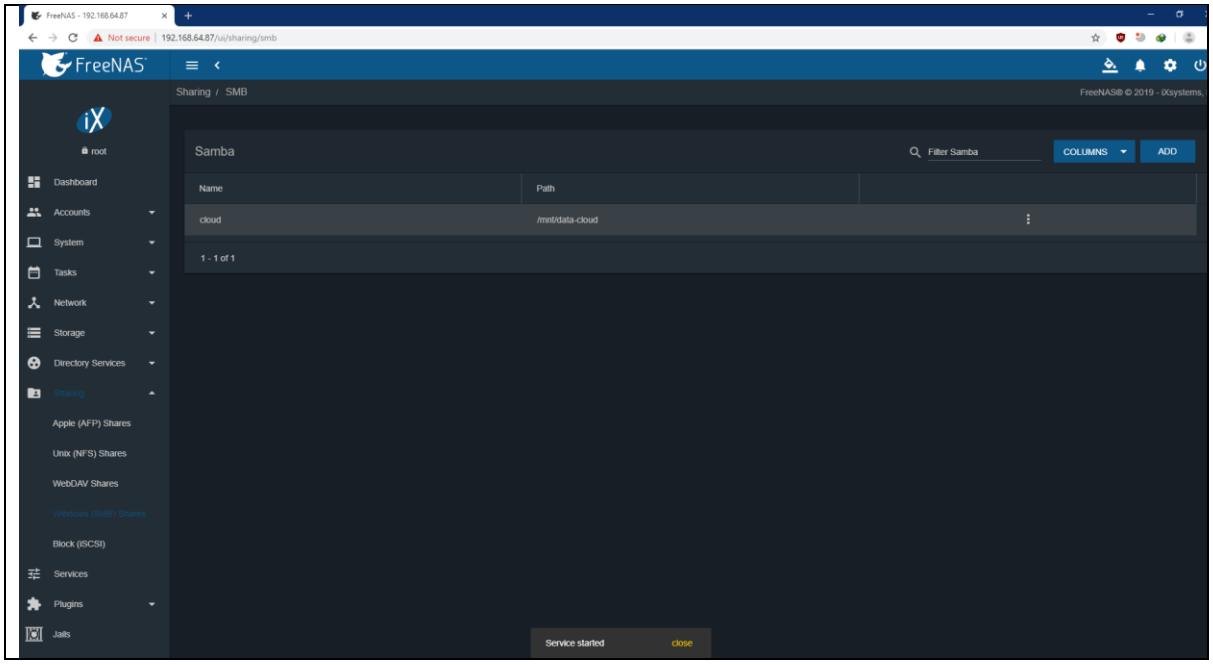
4. Tampilkan hasil dari pembuatan pools tambahan pada menu Storage -> Pools



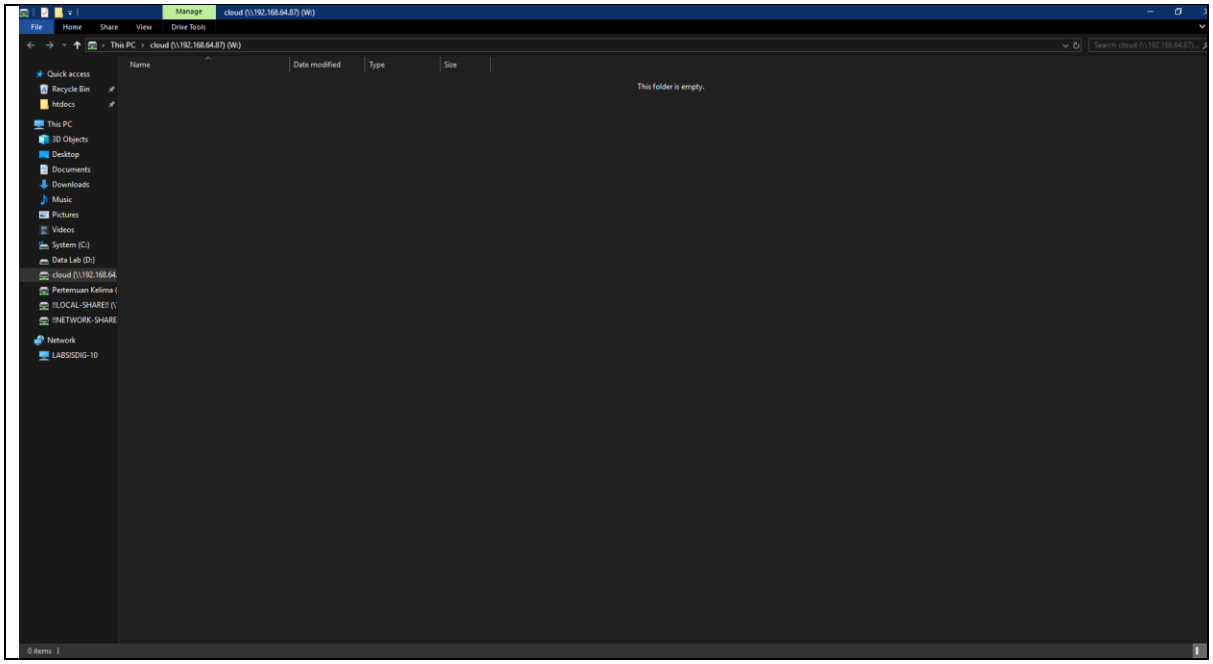
5. Tampilkan hasil dari pembuatan user tambahan pada menu Accounts -> Users



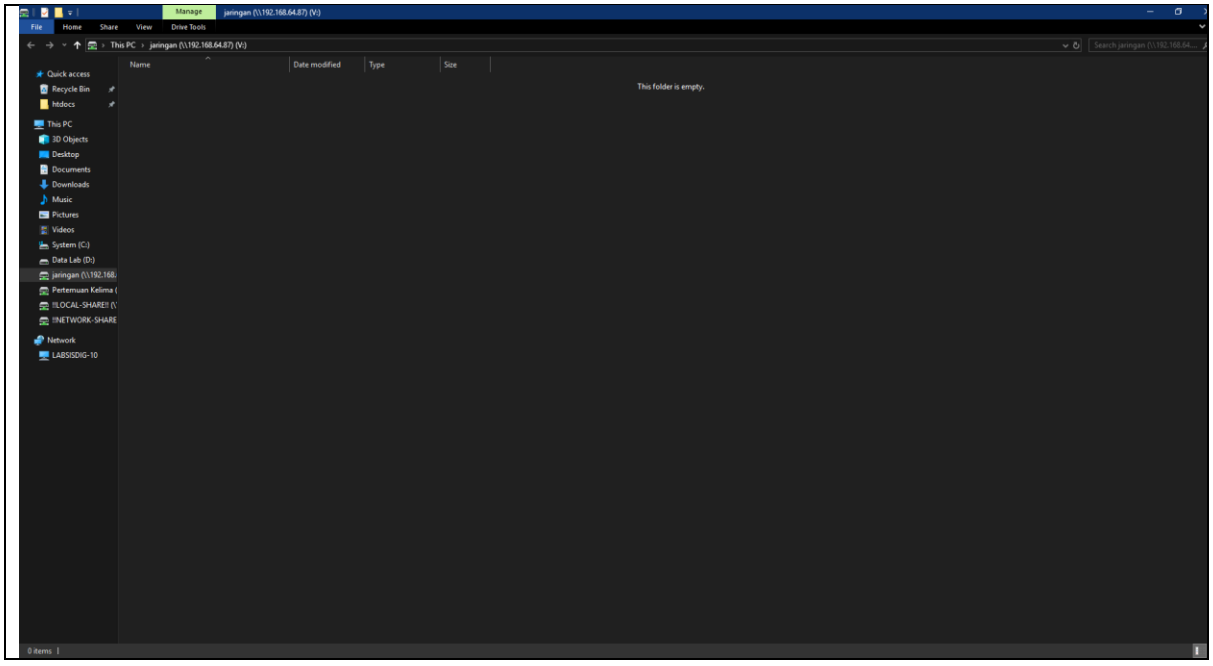
6. Tampilkan hasil dari pembuatan shares tambahan untuk 4 lab pada menu Sharing -> Windows (SMB) Shares



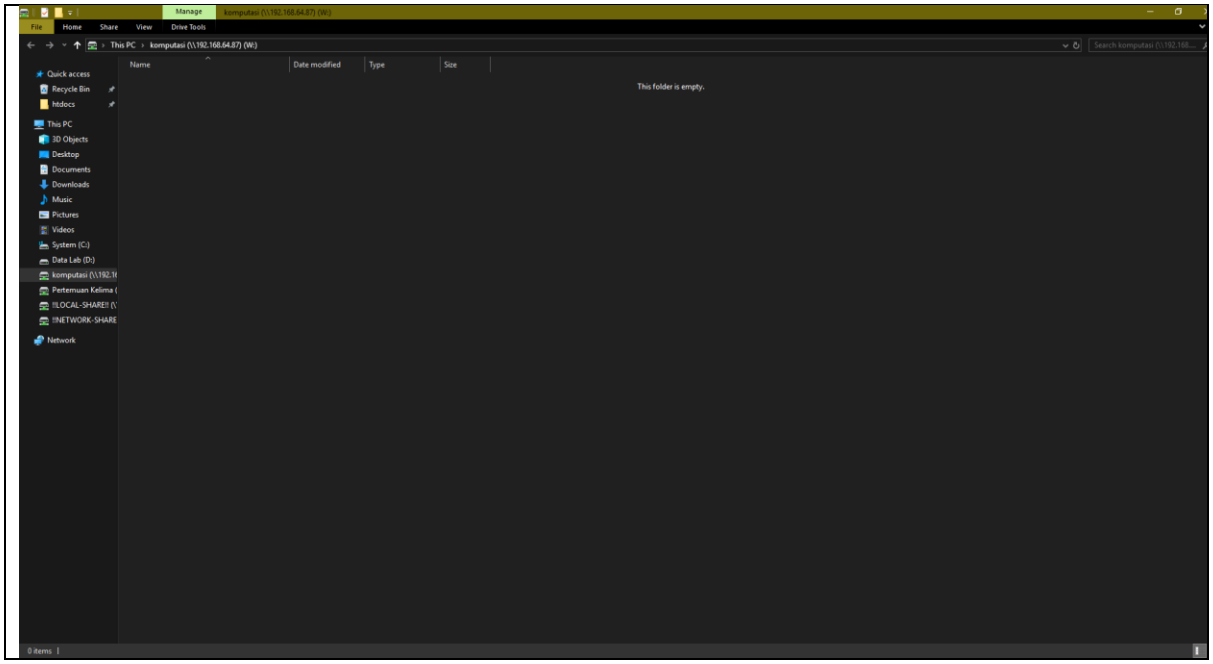
7. Tampilkan hasil akses shares pada Windows Explorer (hasil mapping) untuk Lab Cloud (yang pertama kali dibuat)



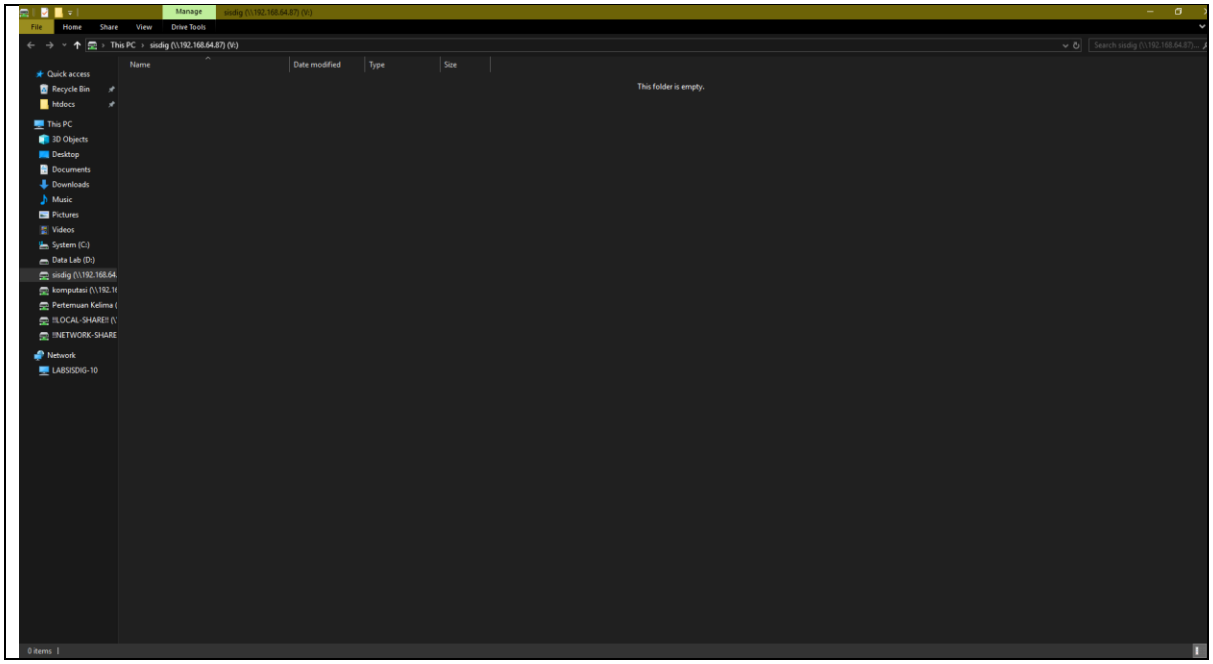
8. Tampilkan hasil akses shares untuk Lab Jaringan



9. Tampilkan hasil akses shares untuk Lab Komputasi



10. Tampilkan hasil akses shares untuk Lab Sisdig



DOKUMENTASI PERTEMUAN KELIMA (BILA ADA)