



LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING

INSTALASI DAN KONFIGURASI LAYANAN FILE SHARING DENGAN FREENAS

IDENTITAS:

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NIM:	123170060
Kelas:	C
Hari, Tanggal:	6 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
```

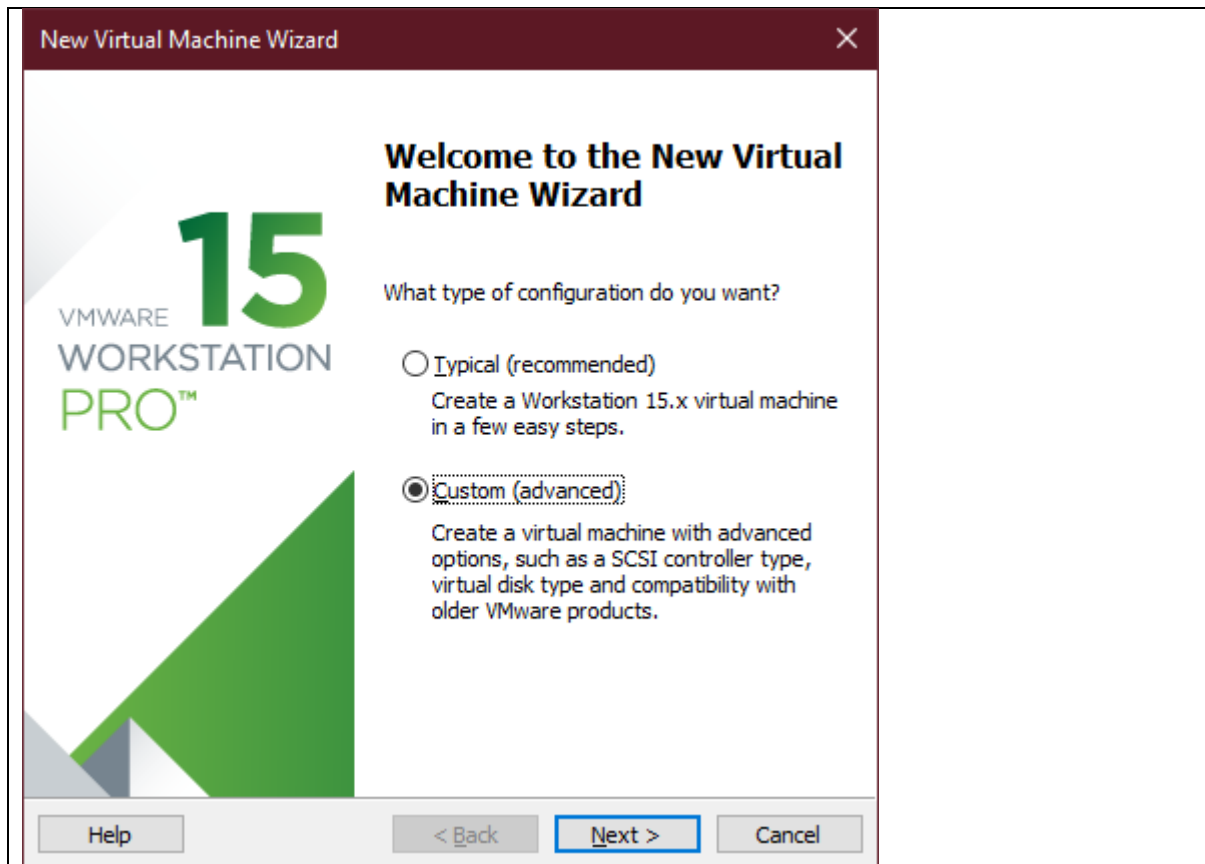
Perintah exit digunakan untuk keluar dari sesi akun aktif

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

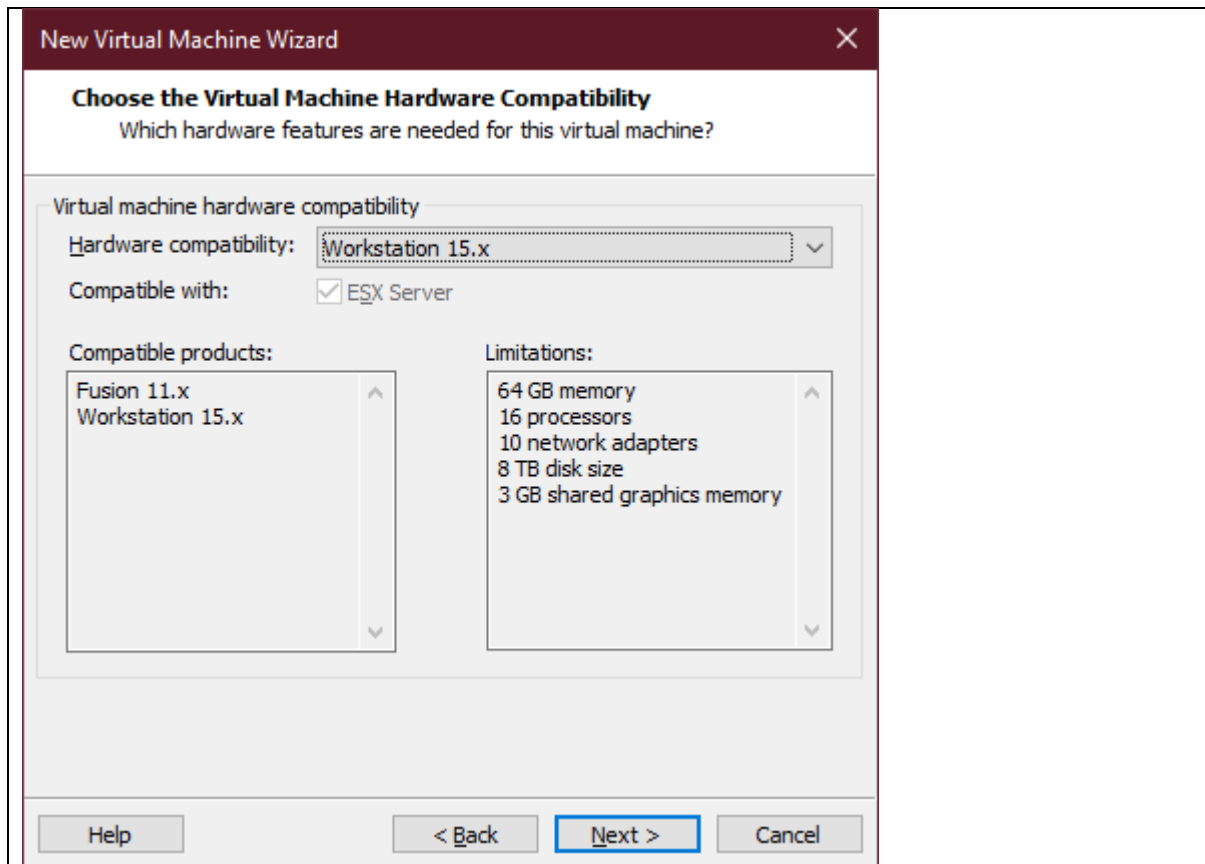


TUGAS BAGIAN PERTAMA – PEMBUATAN VM:

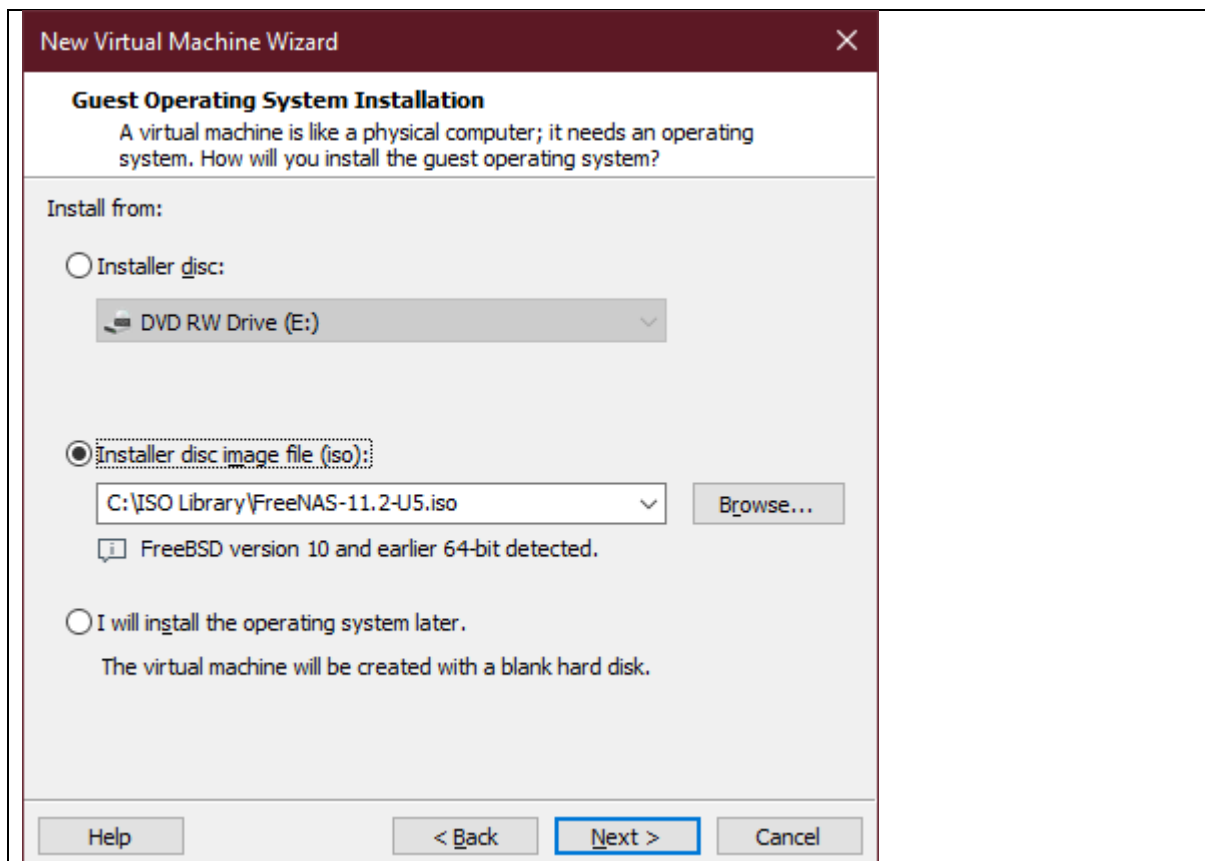
1. Gunakan opsi konfigurasi Custom



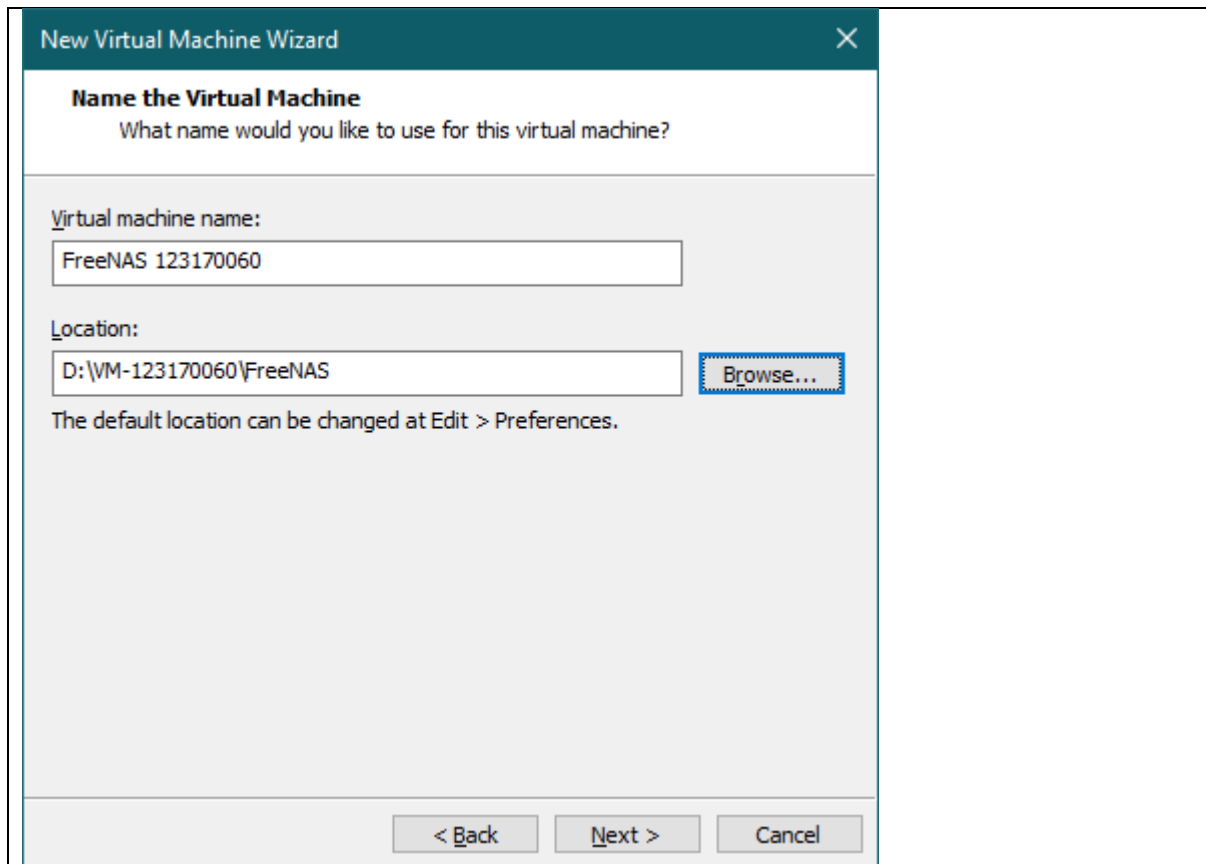
2. Gunakan compatibility Workstation 15.X



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**



New Virtual Machine Wizard

Name the Virtual Machine
What name would you like to use for this virtual machine?

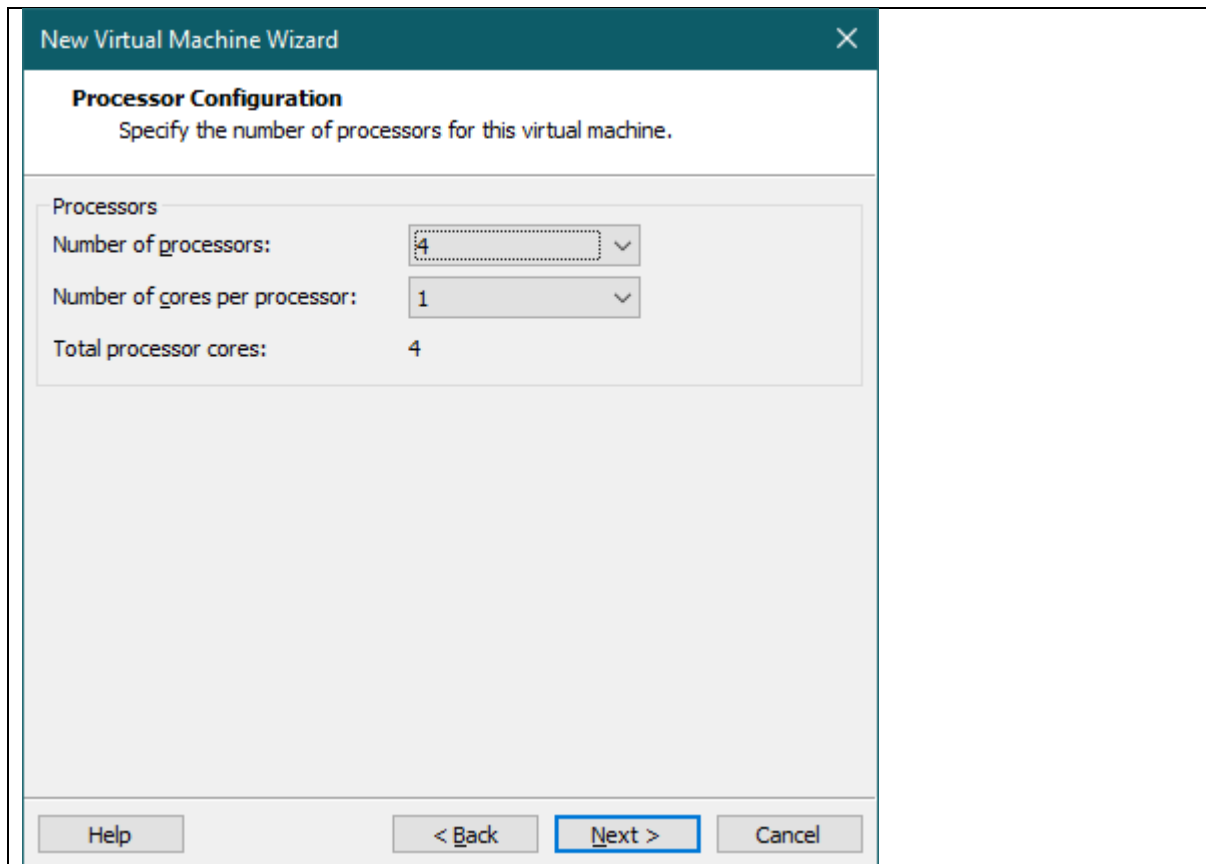
Virtual machine name:
FreeNAS 123170060

Location:
D:\VM-123170060\FreeNAS [Browse...](#)

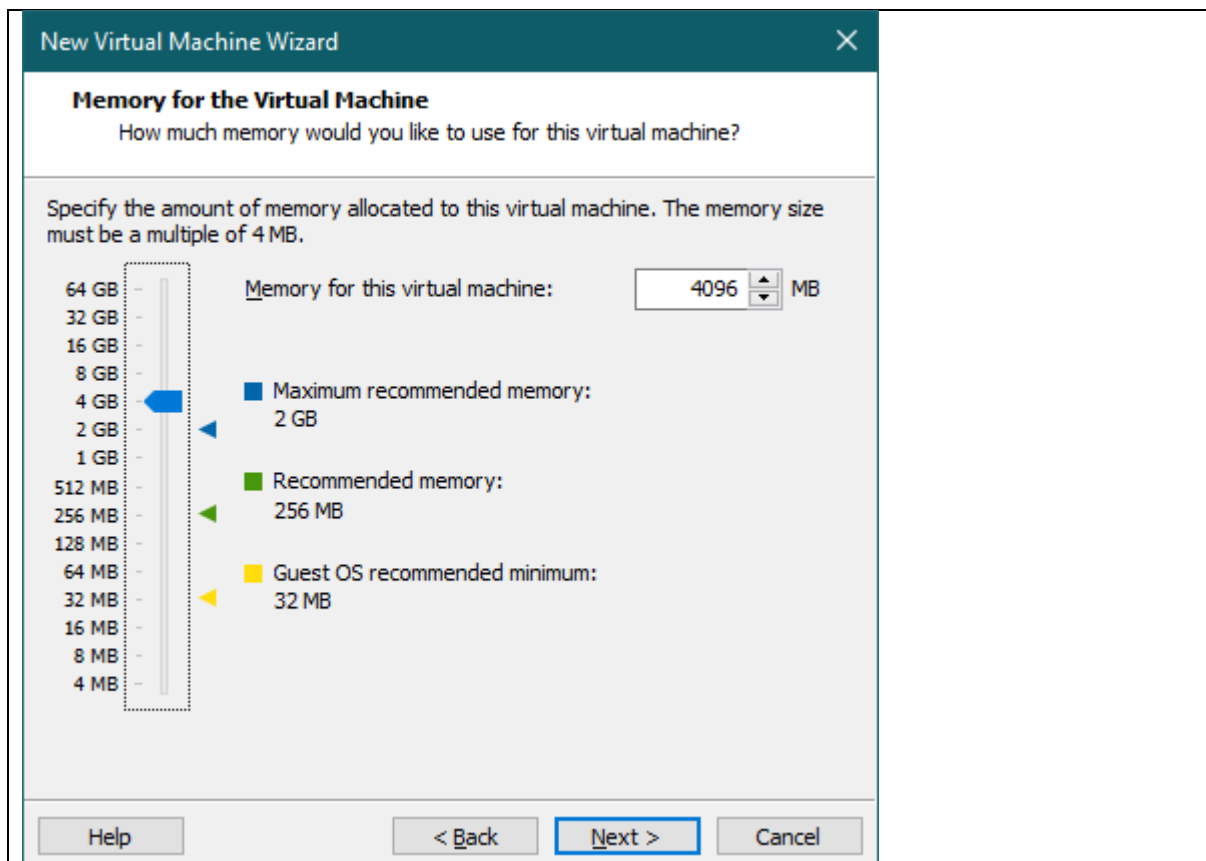
The default location can be changed at Edit > Preferences.

< Back Next > Cancel

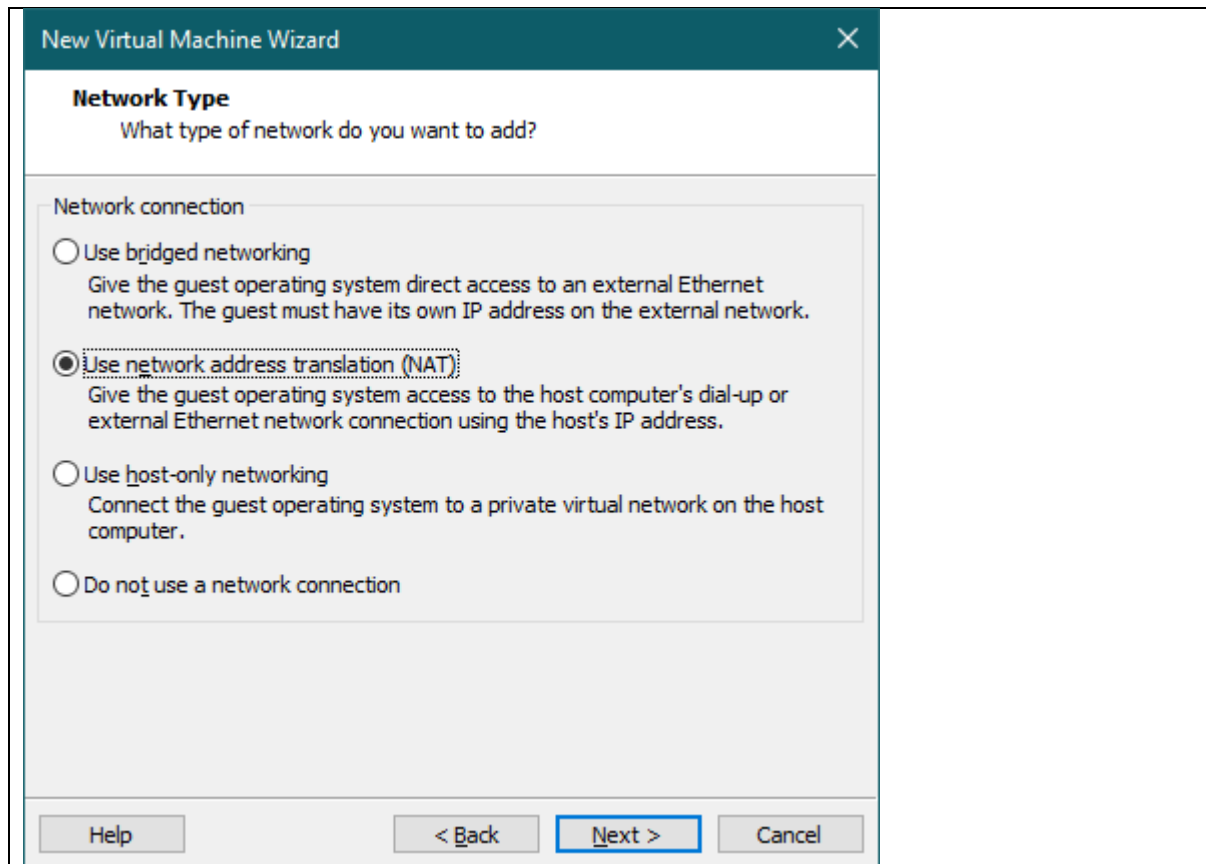
5. Gunakan 4 processor dan 1 core



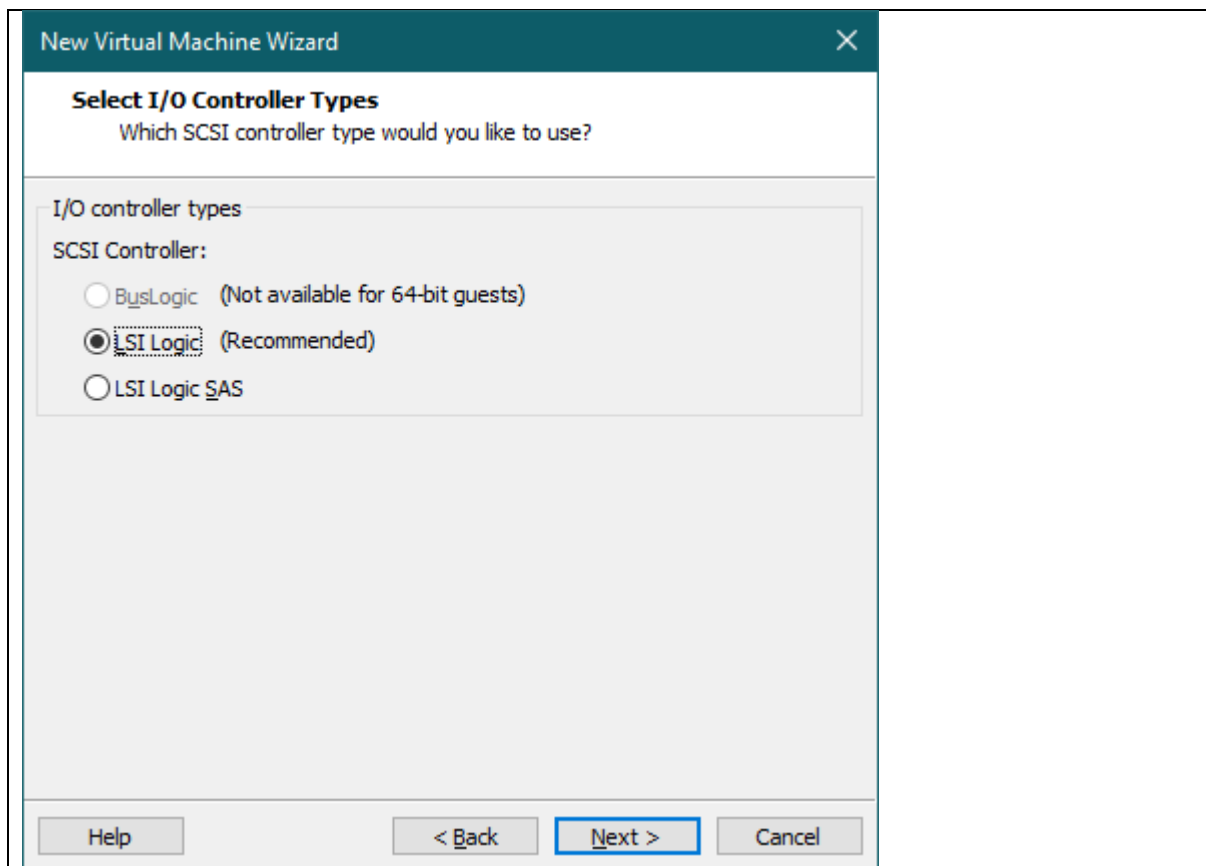
6. Gunakan RAM sebesar 4 GB



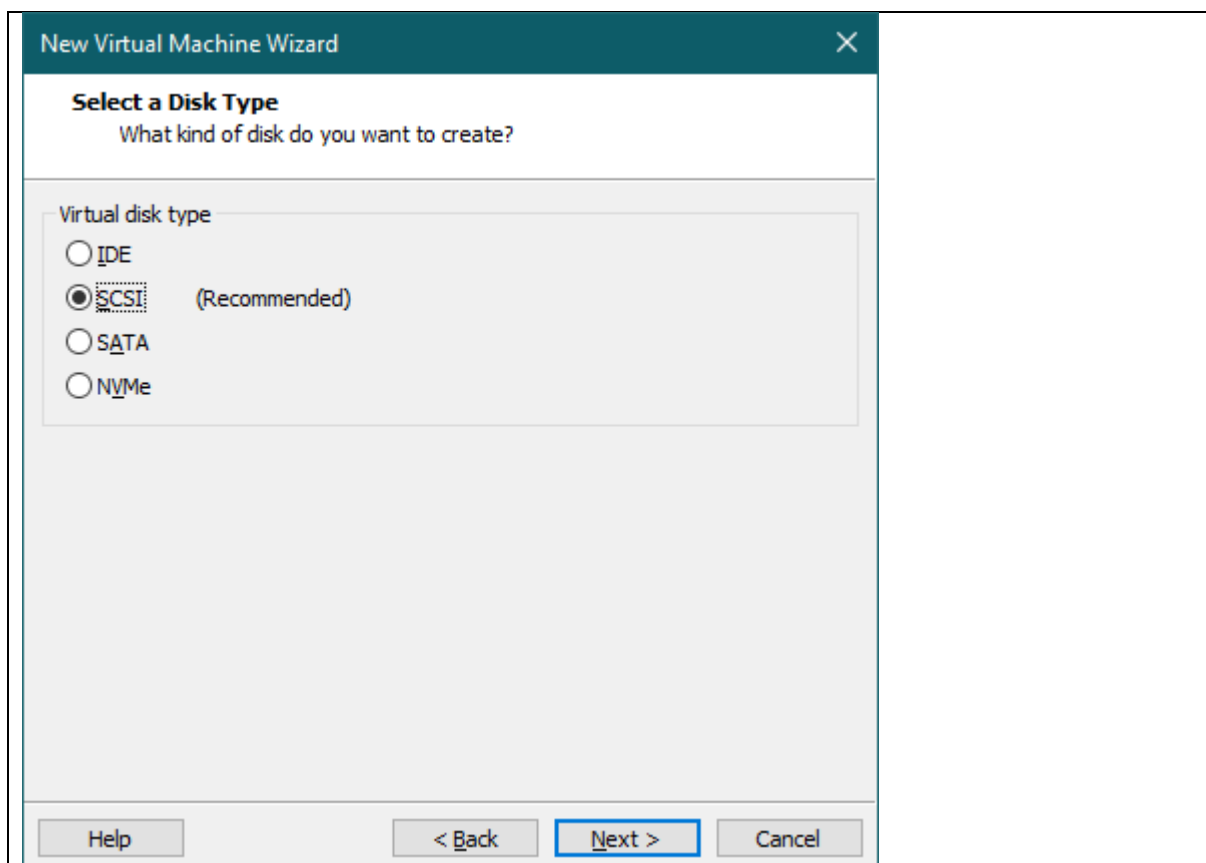
7. Gunakan mode jaringan NAT



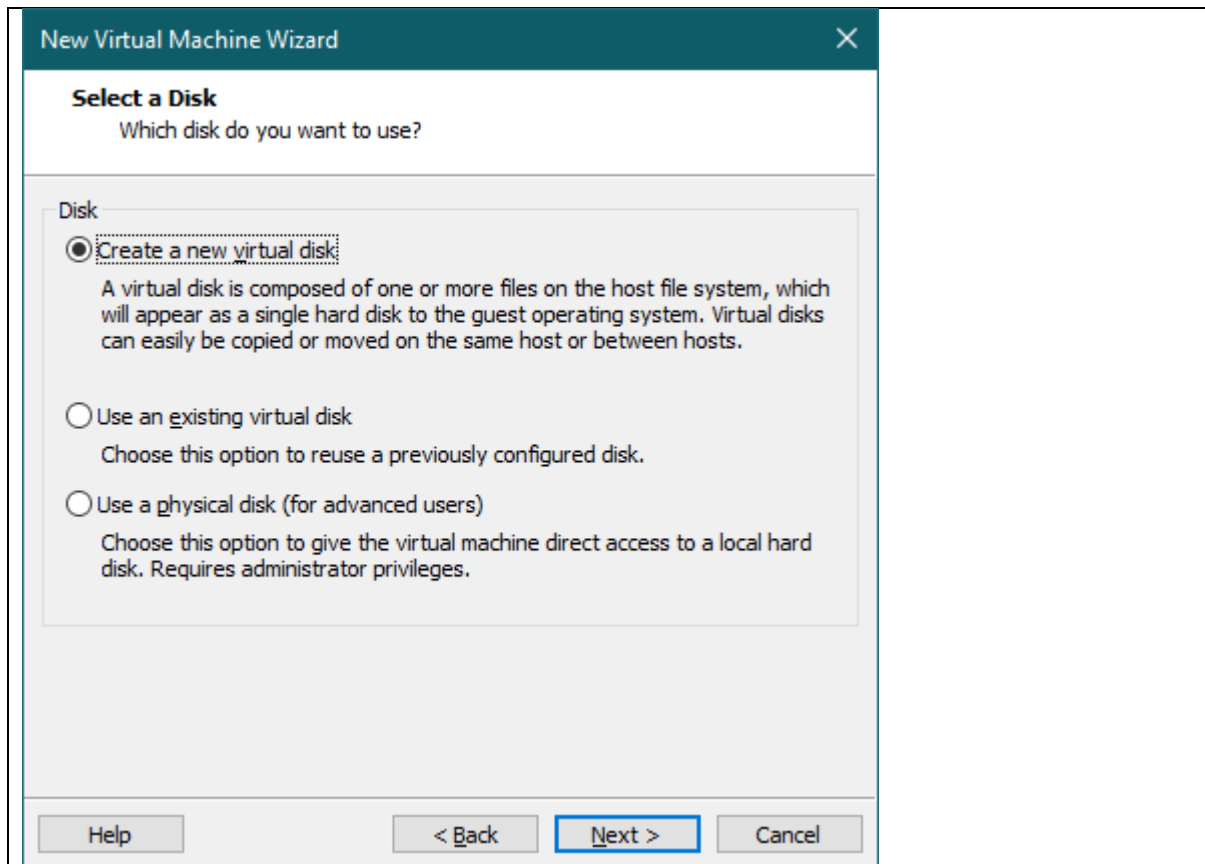
8. Gunakan pengaturan default I/O Controller



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

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Specify Disk Capacity' step. The title bar is dark teal with a close button. The main heading is 'Specify Disk Capacity' with a subtitle 'How large do you want this disk to be?'. Below this, there is a text input field for 'Maximum disk size (GB):' with the value '10' and a small up/down arrow. A note states: 'Recommended size for FreeBSD version 10 and earlier 64-bit: 20 GB'. There are two radio button options: 'Allocate all disk space now.' (unchecked) and 'Split virtual disk into multiple files' (checked). A descriptive text for the checked option says: 'Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.' At the bottom, there are four buttons: 'Help', '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

New Virtual Machine Wizard

Specify Disk Capacity
How large do you want this disk to be?

Maximum disk size (GB): 10

Recommended size for FreeBSD version 10 and earlier 64-bit: 20 GB

☐ Allocate all disk space now.
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

☐ Store virtual disk as a single file

☒ Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help < Back Next > Cancel

12. Gunakan pengaturan default untuk nama disk

The screenshot shows the 'New Virtual Machine Wizard' window, specifically the 'Specify Disk File' step. The title bar is olive green with a close button. The main heading is 'Specify Disk File' with a subtitle 'Where would you like to store the disk file?'. Below this, there is a section titled 'Disk file' with a text box containing 'FreeNAS 123170060.vmdk' and a 'Browse...' button. A note states: 'A 10 GB virtual disk be created using multiple disk files. The disk files will be automatically named based on this file name.' At the bottom, there are four buttons: 'Help', '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

New Virtual Machine Wizard

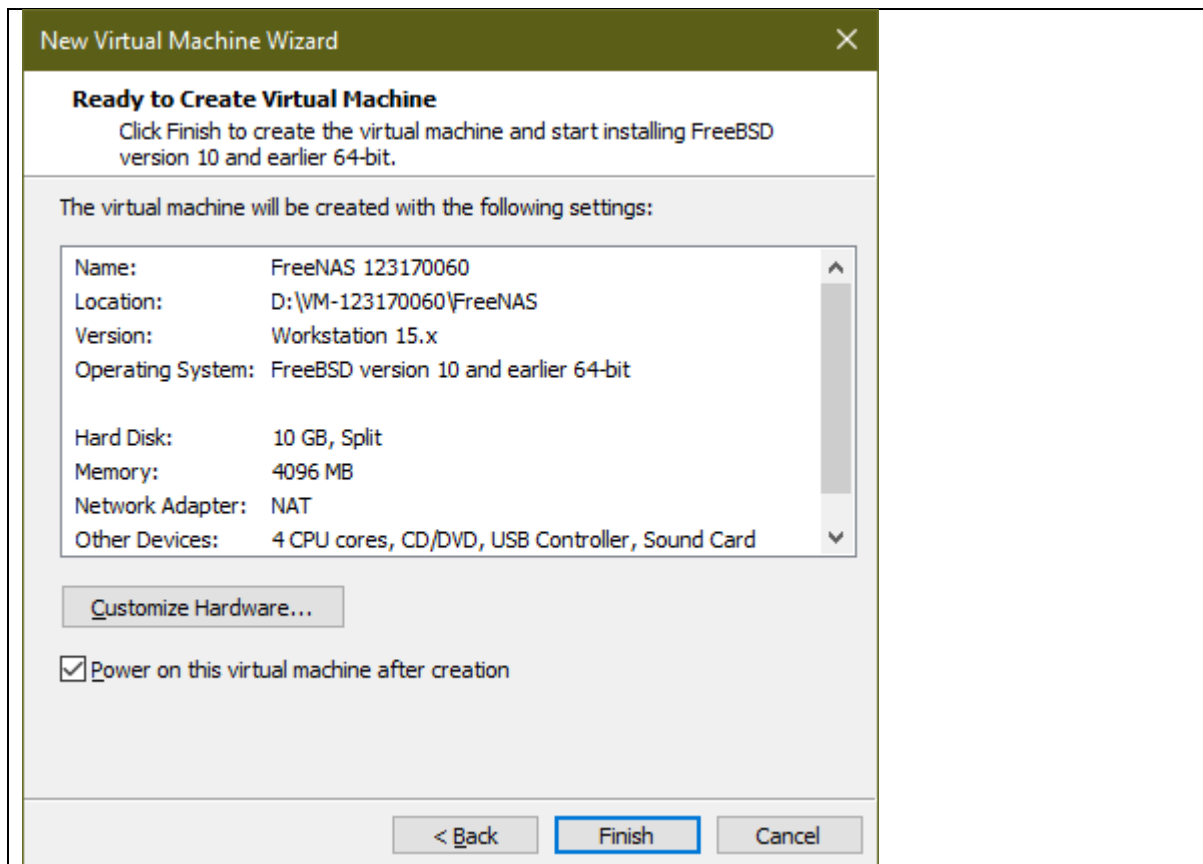
Specify Disk File
Where would you like to store the disk file?

Disk file
A 10 GB virtual disk be created using multiple disk files. The disk files will be automatically named based on this file name.

FreeNAS 123170060.vmdk Browse...

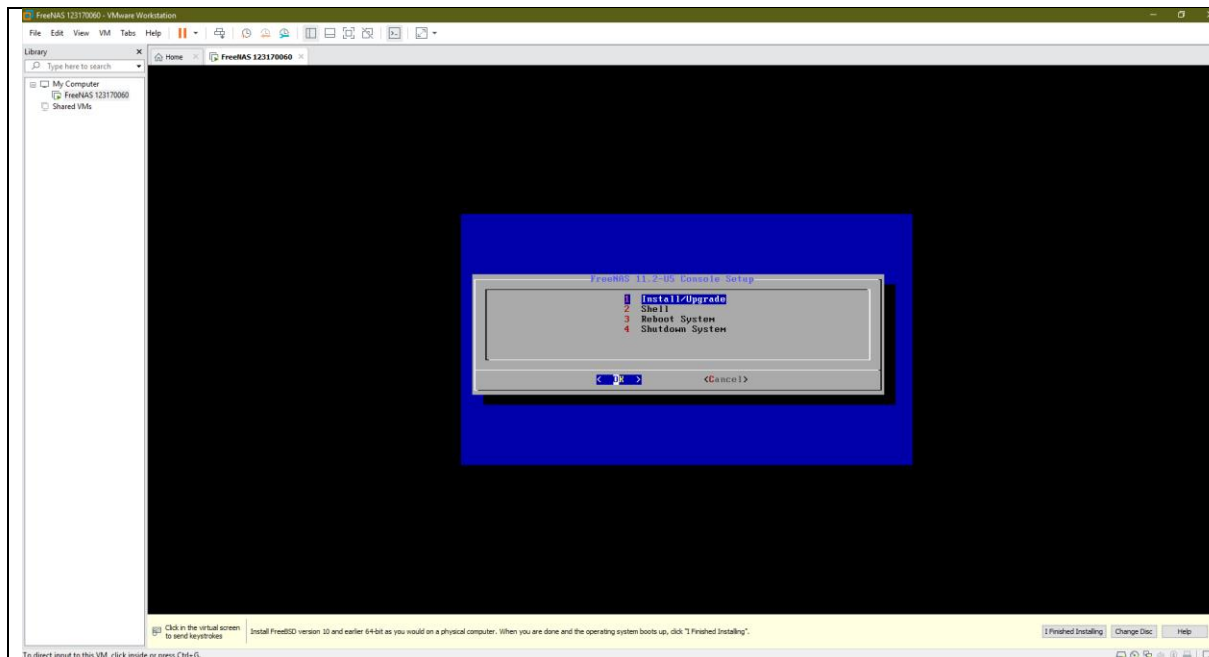
Help < Back Next > Cancel

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

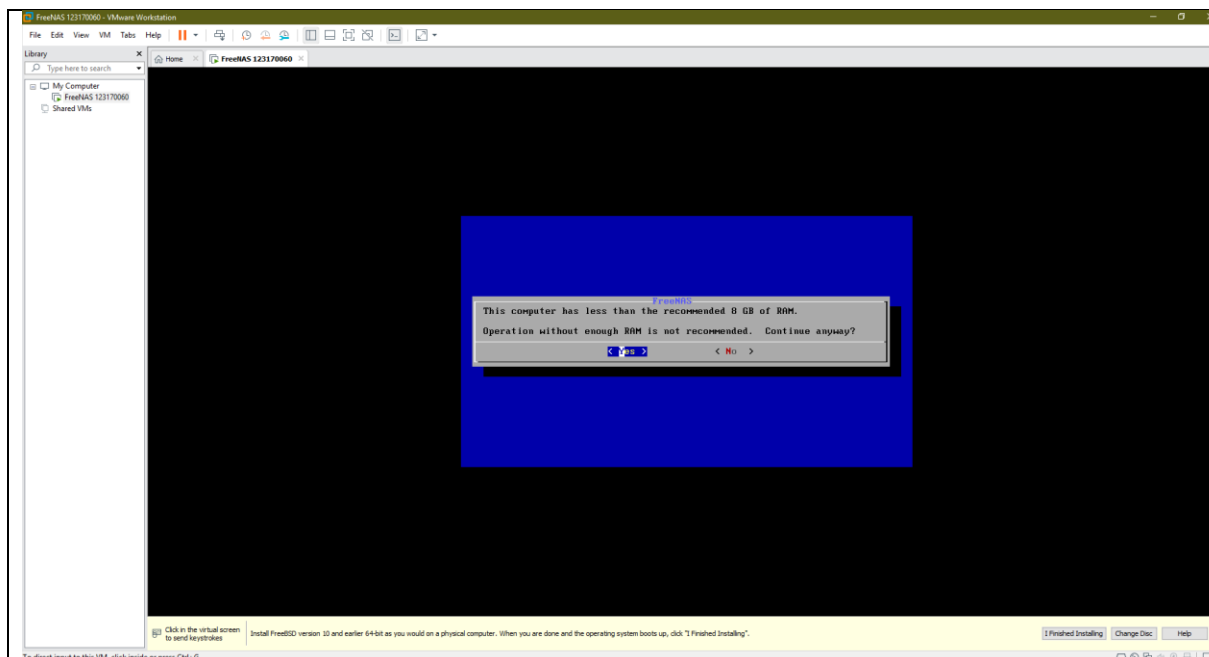


TUGAS BAGIAN KEDUA – INSTALASI FREENAS:

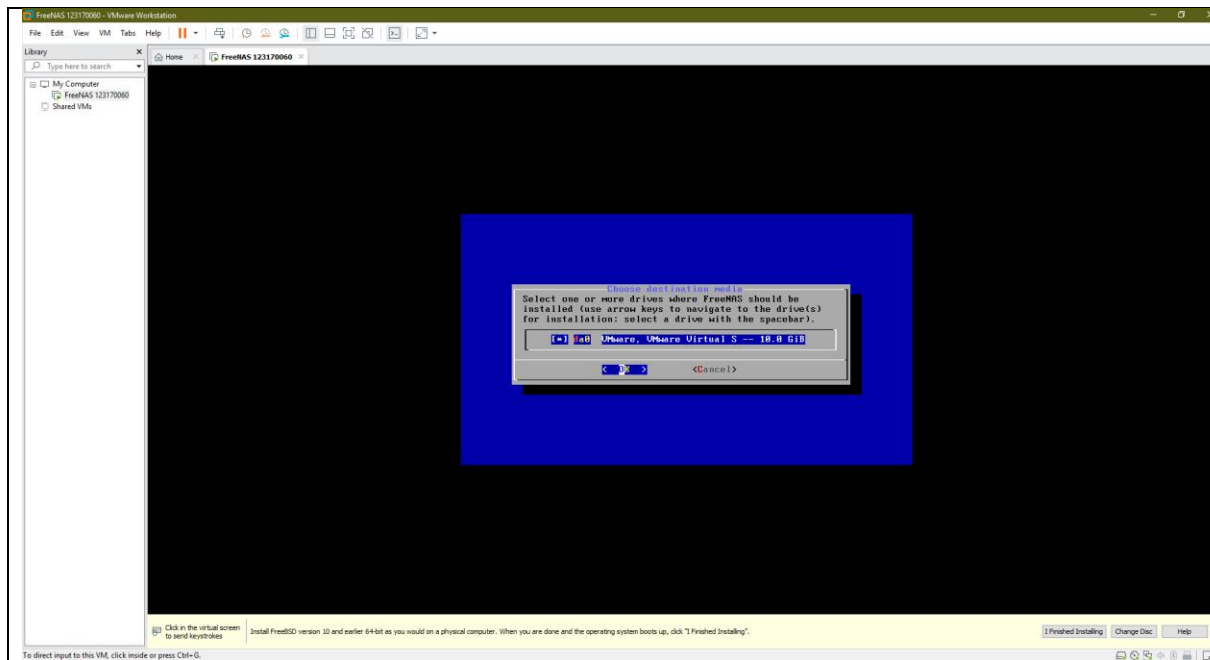
1. Tampilan awal tahap instalasi FreeNAS, pilih Install/Upgrade



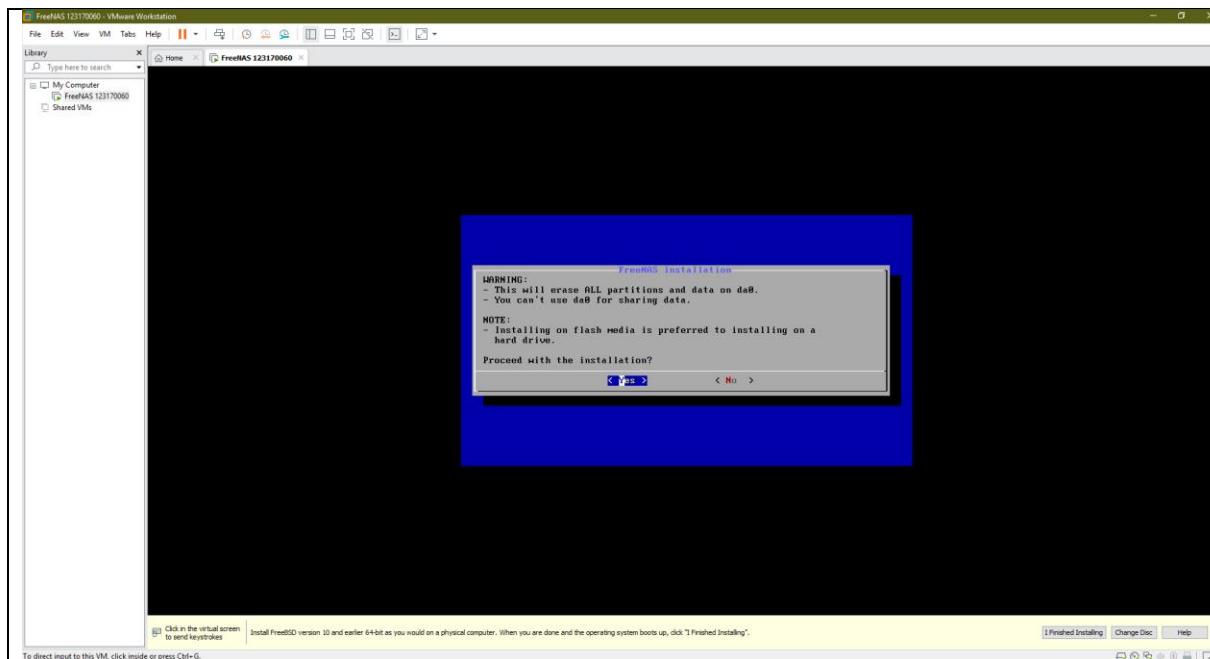
2. Tampilan warning RAM kurang dari 8GB, pilih Yes



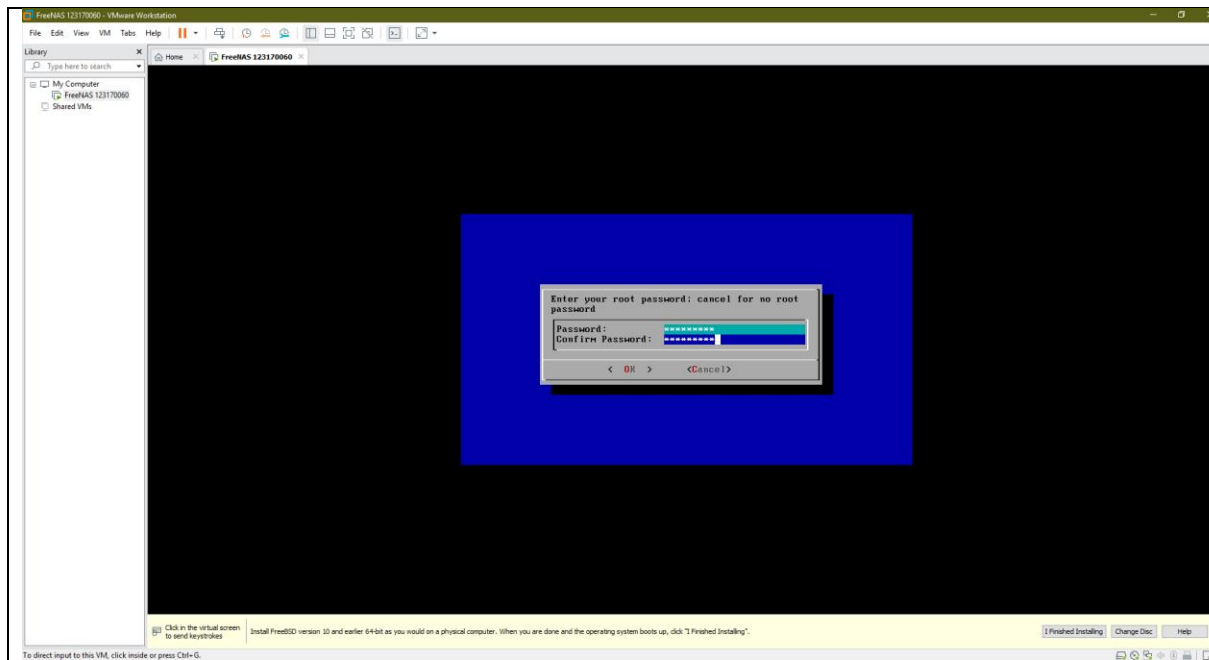
3. Tampilan pemilihan destination media untuk dipasang FreeNAS, pilih da0



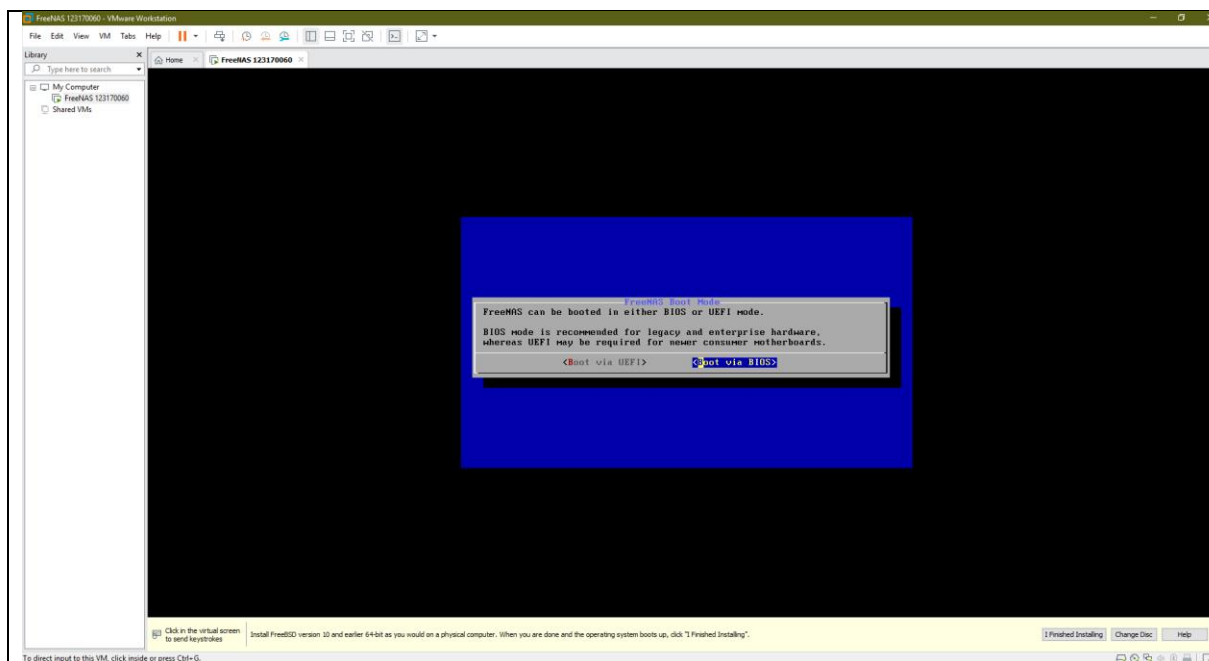
4. Tampilan konfirmasi penghapusan/format media yang terpilih, pilih Yes



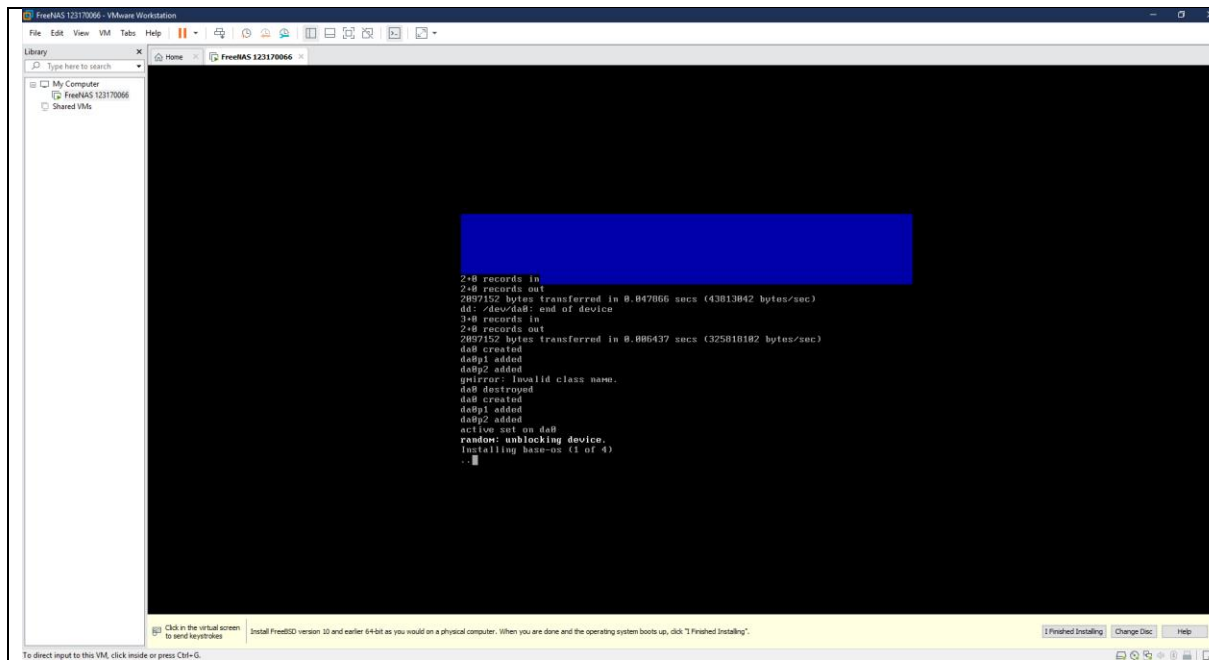
5. Tampilan pengaturan kata sandi, gunakan NIM atau bebas



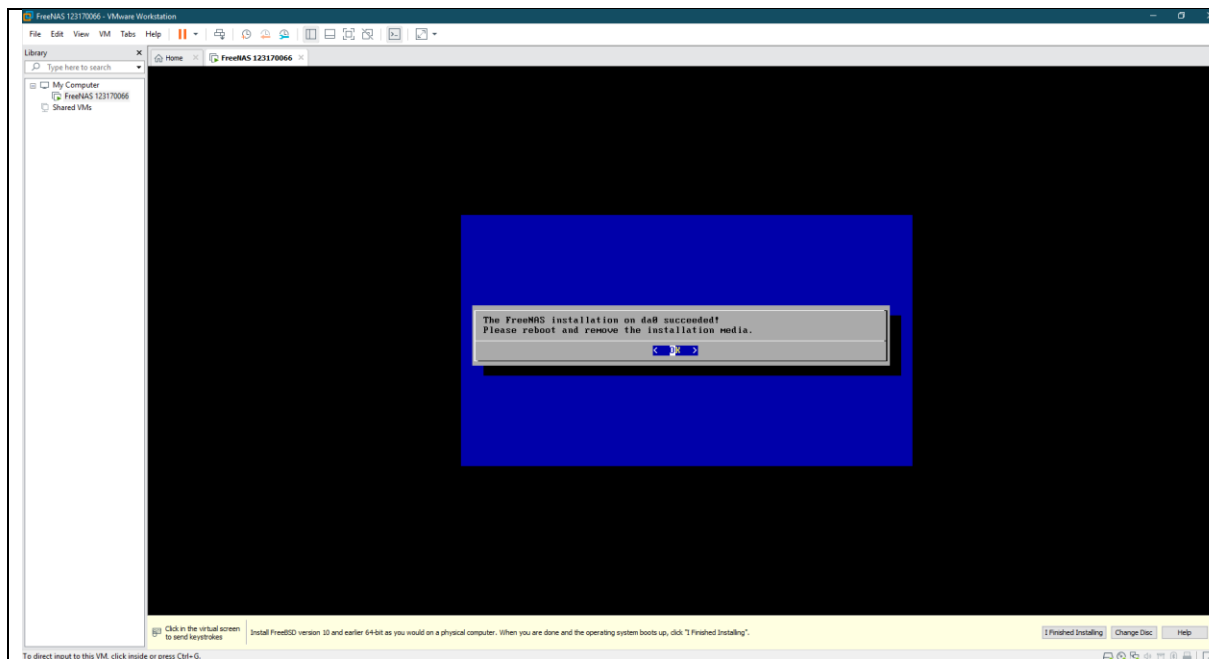
6. Tampilan mode boot dari FreeNAS, pilih BIOS



7. Tampilan proses instalasi FreeNAS



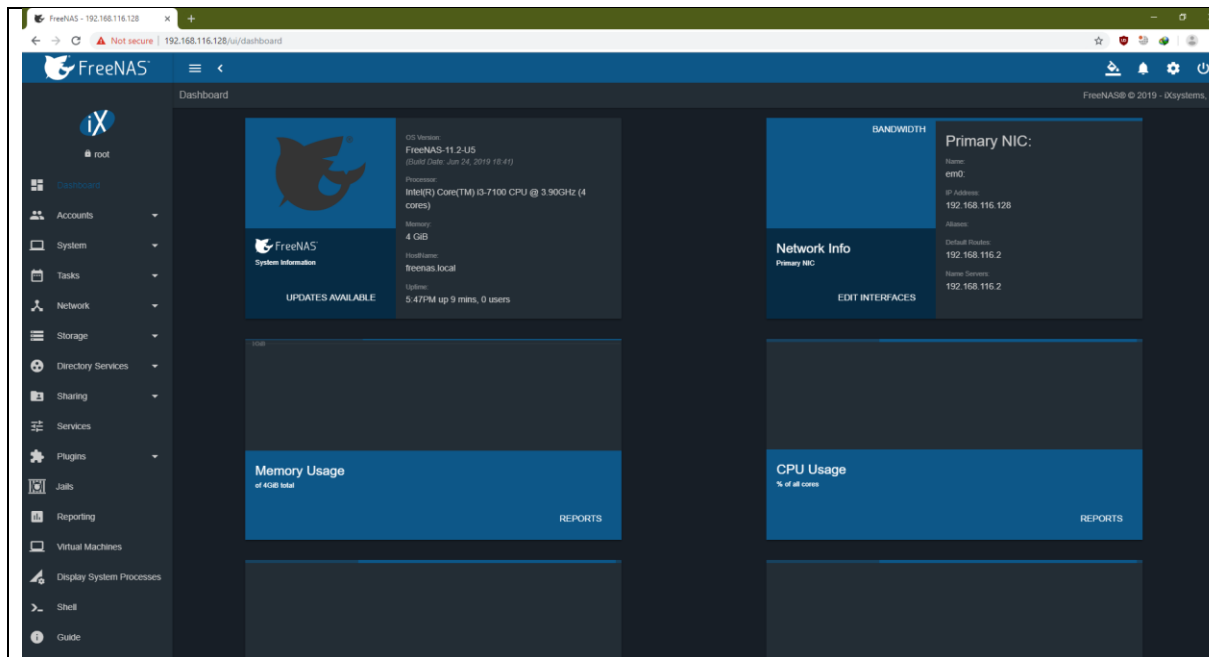
8. Tampilan hasil akhir proses instalasi FreeNAS, pilih OK kemudian pilih Reboot System



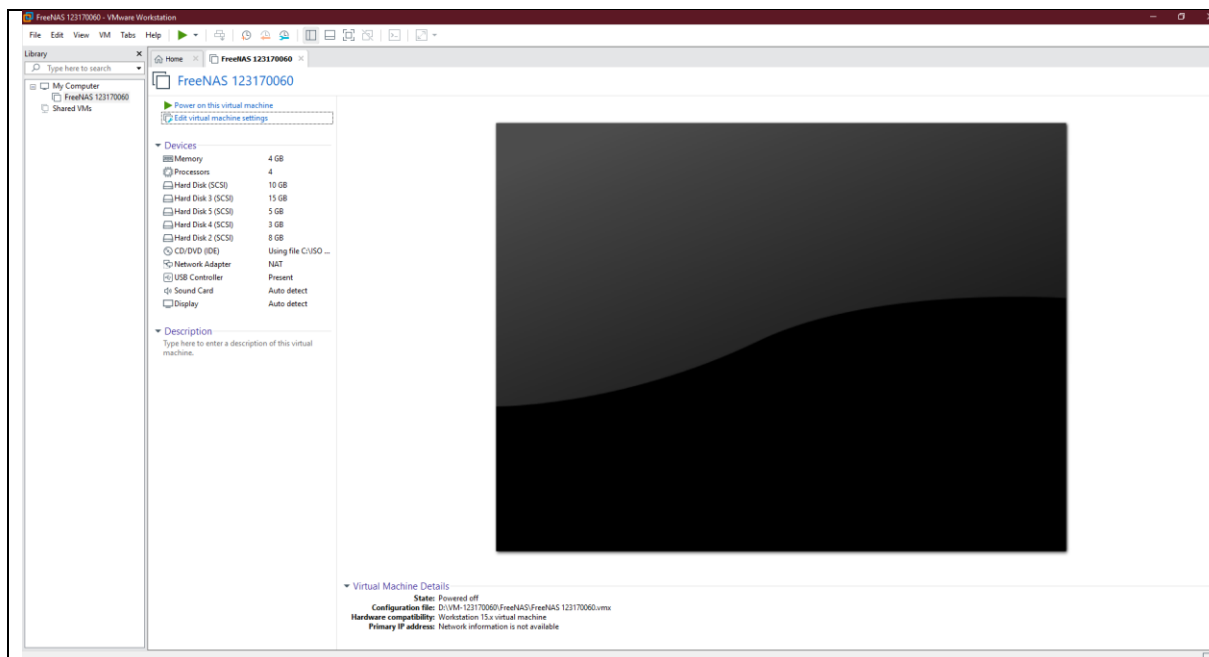
9. Tampilan proses booting menuju FreeNAS OS

TUGAS BAGIAN KETIGA – KONFIGURASI FREENAS:

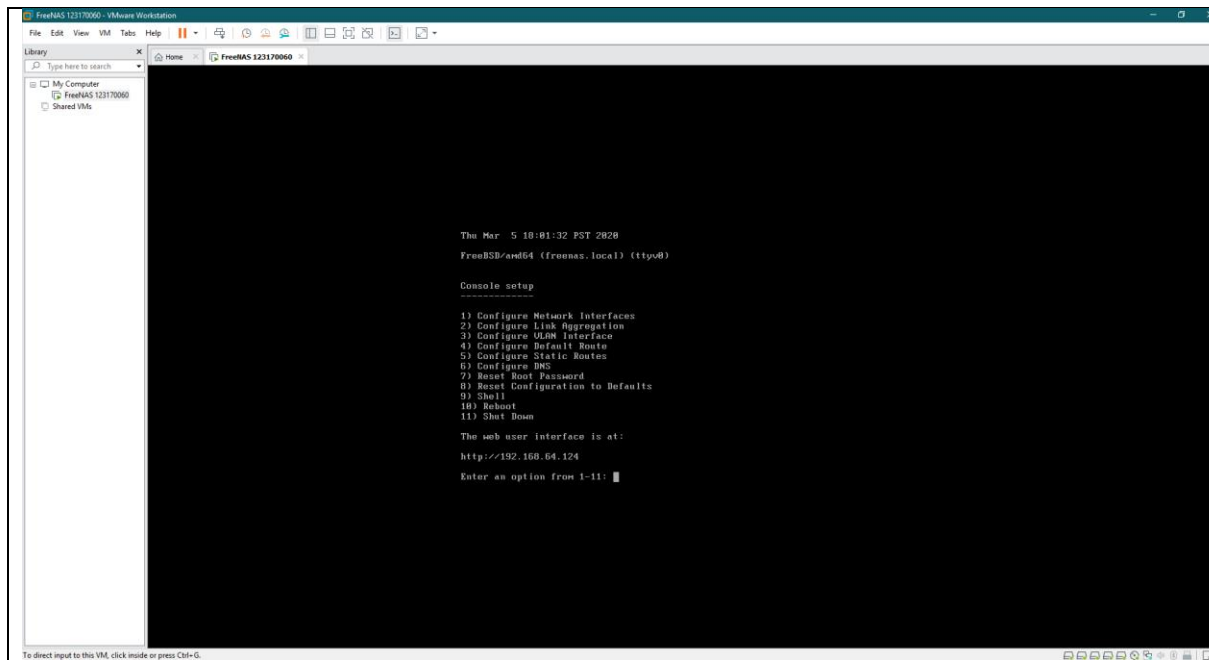
1. Tampilan dashboard setelah login FreeNAS



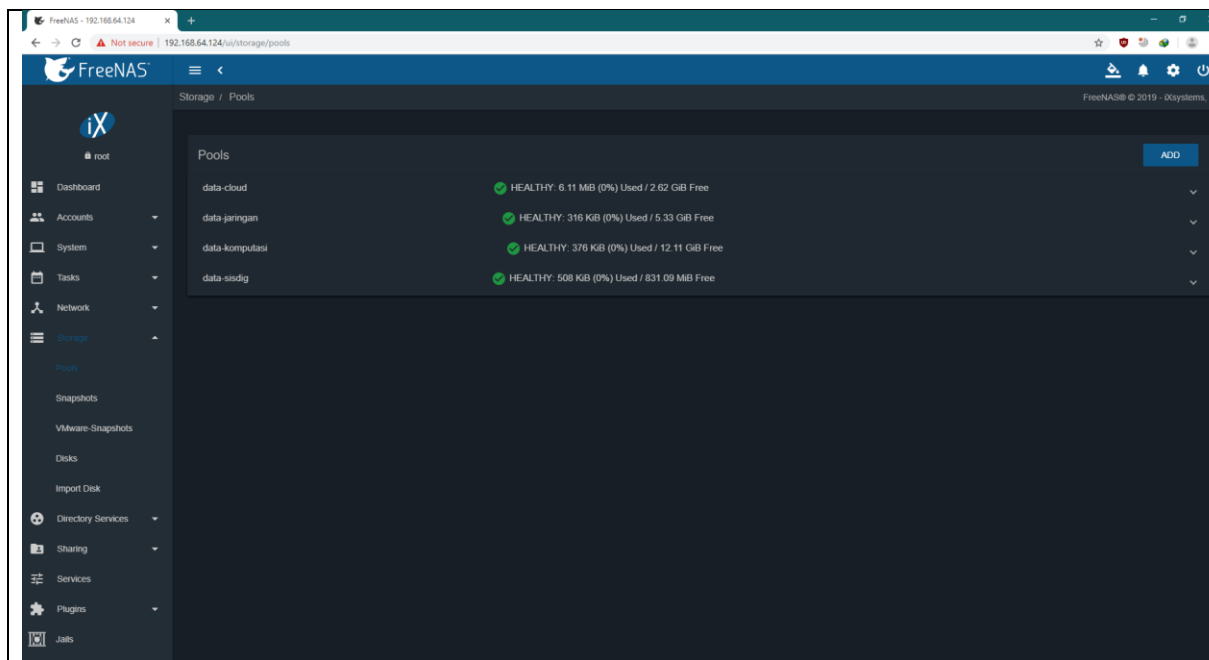
2. Tampilan konfigurasi VM pada Eksperimen #1



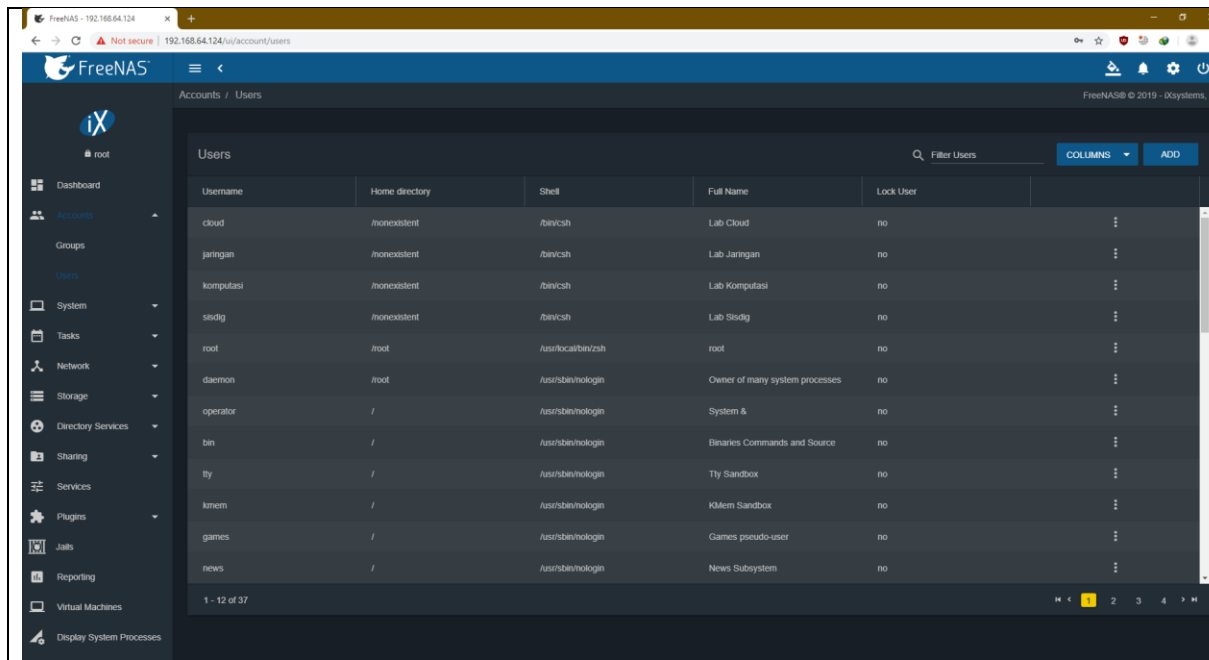
3. Tampilan IP pada dashboard Console Setup pada Eksperimen #2



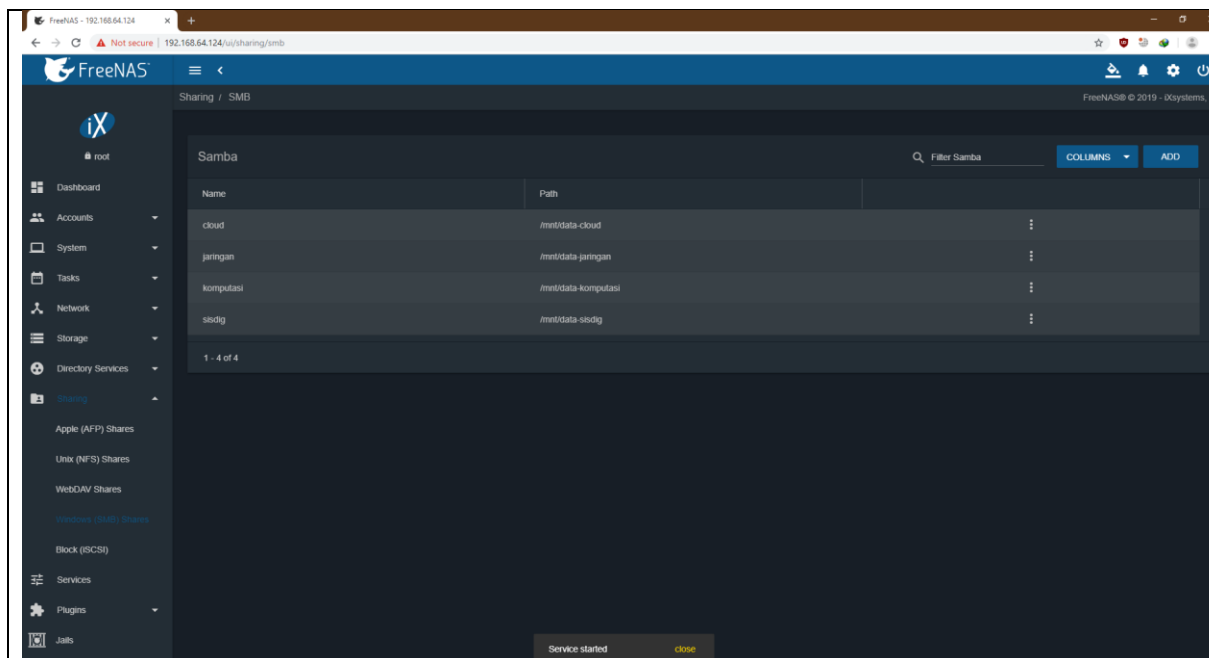
4. Tampilkan hasil dari pembuatan pools tambahan pada menu Storage -> Pools



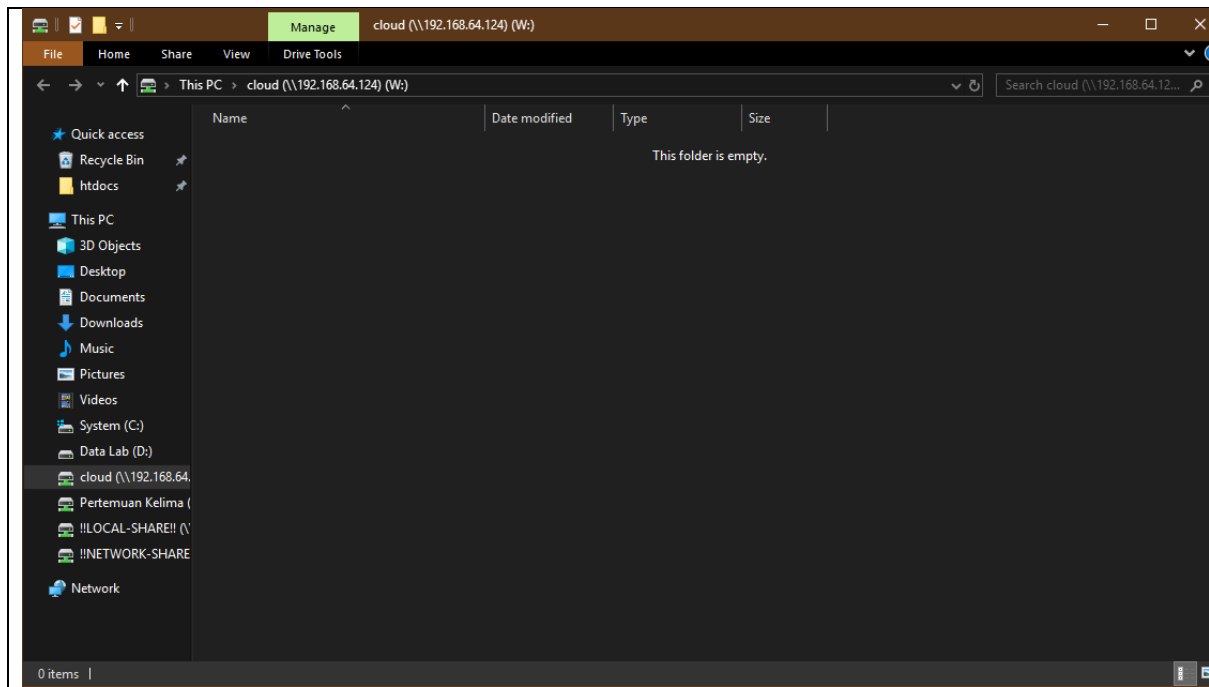
5. Tampilkan hasil dari pembuatan user tambahan pada menu Accounts -> Users



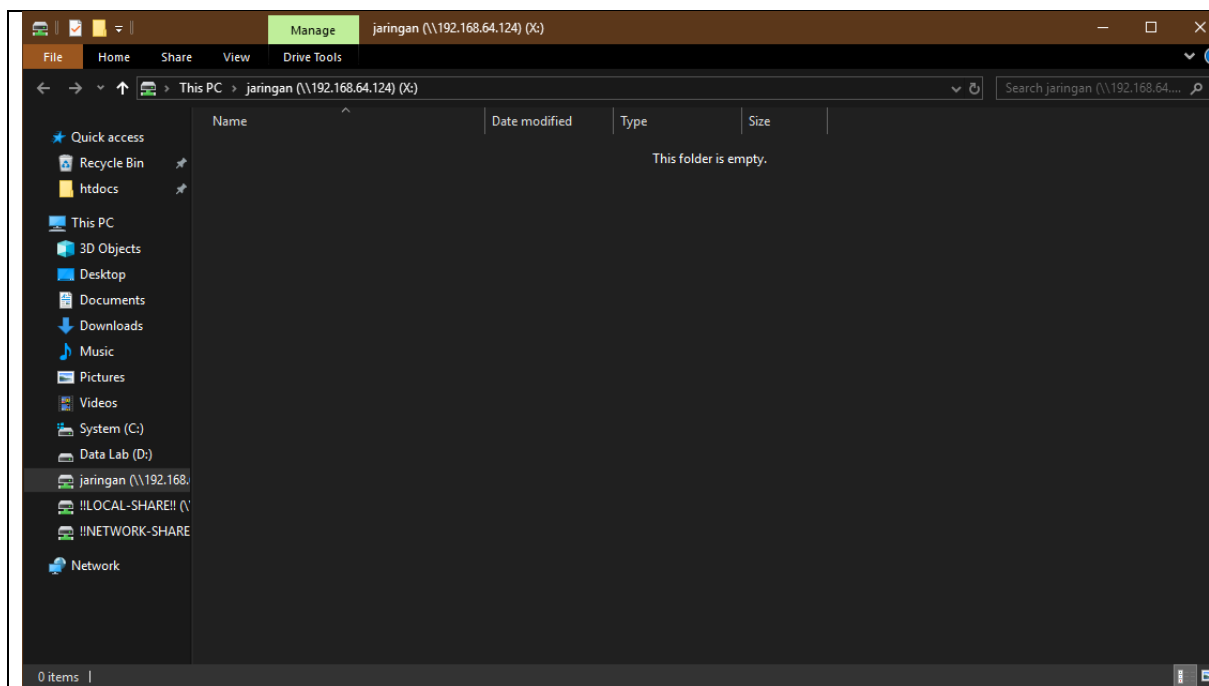
6. Tampilkan hasil dari pembuatan shares tambahan untuk 4 lab pada menu Sharing -> Windows (SMB) Shares



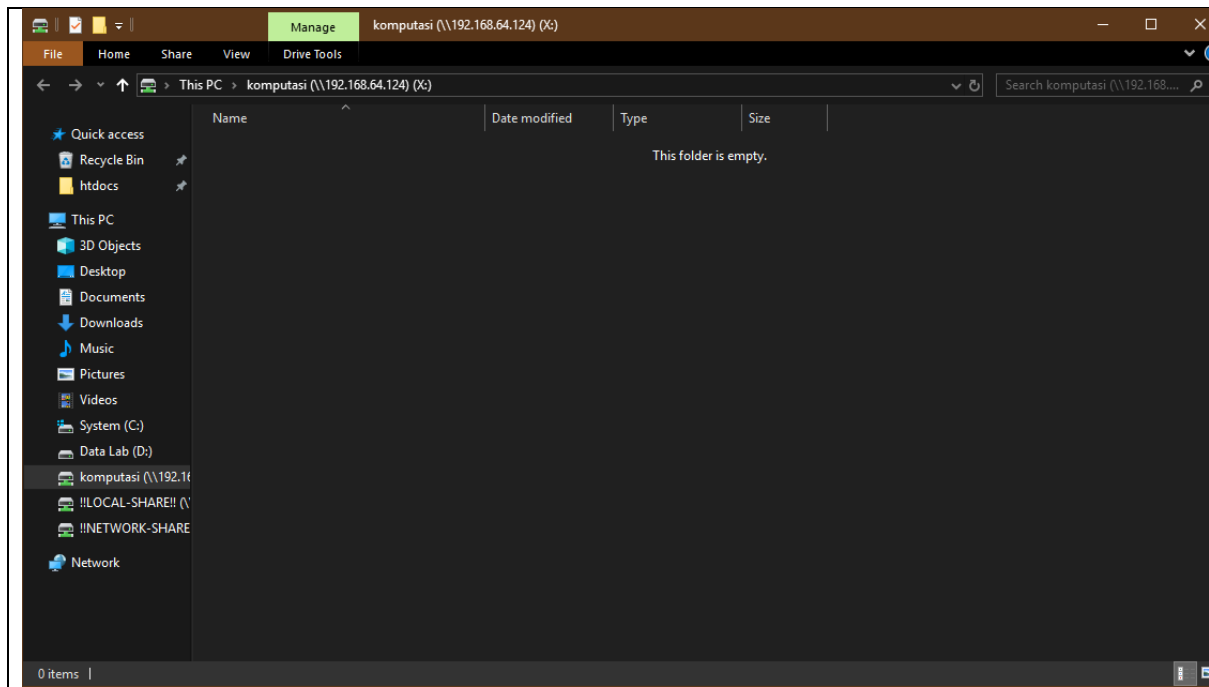
7. Tampilkan hasil akses shares pada Windows Explorer (hasil mapping) untuk Lab Cloud (yang pertama kali dibuat)



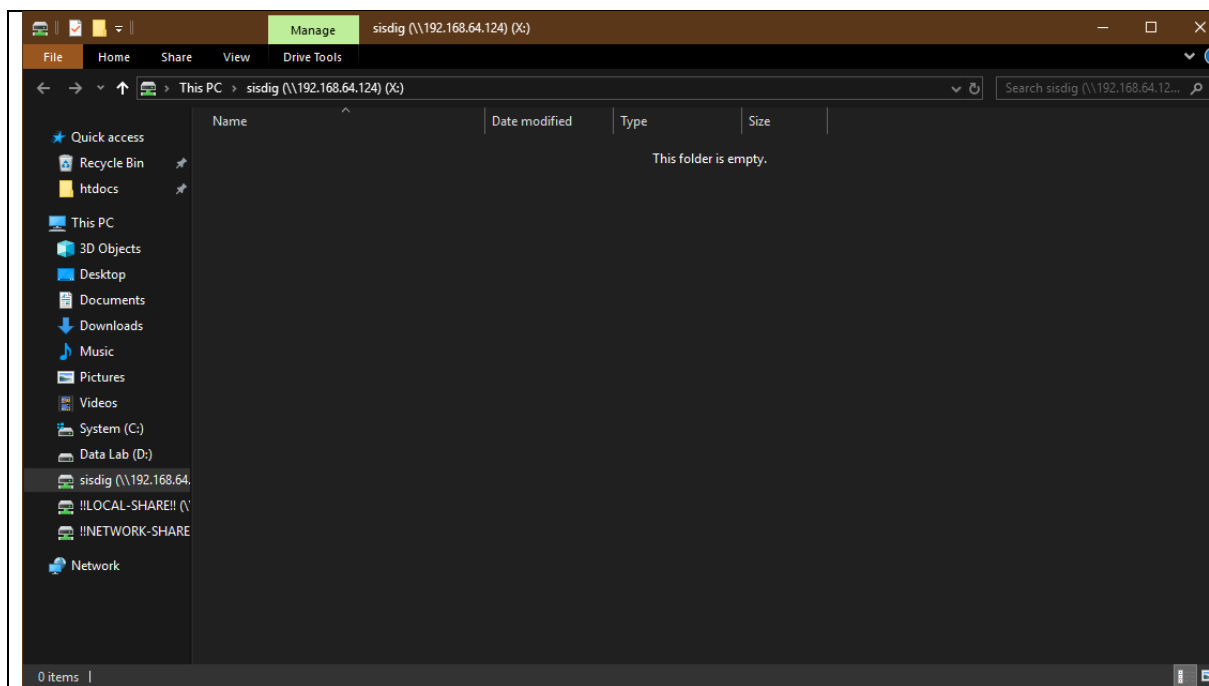
8. Tampilkan hasil akses shares untuk Lab Jaringan



9. Tampilkan hasil akses shares untuk Lab Komputasi

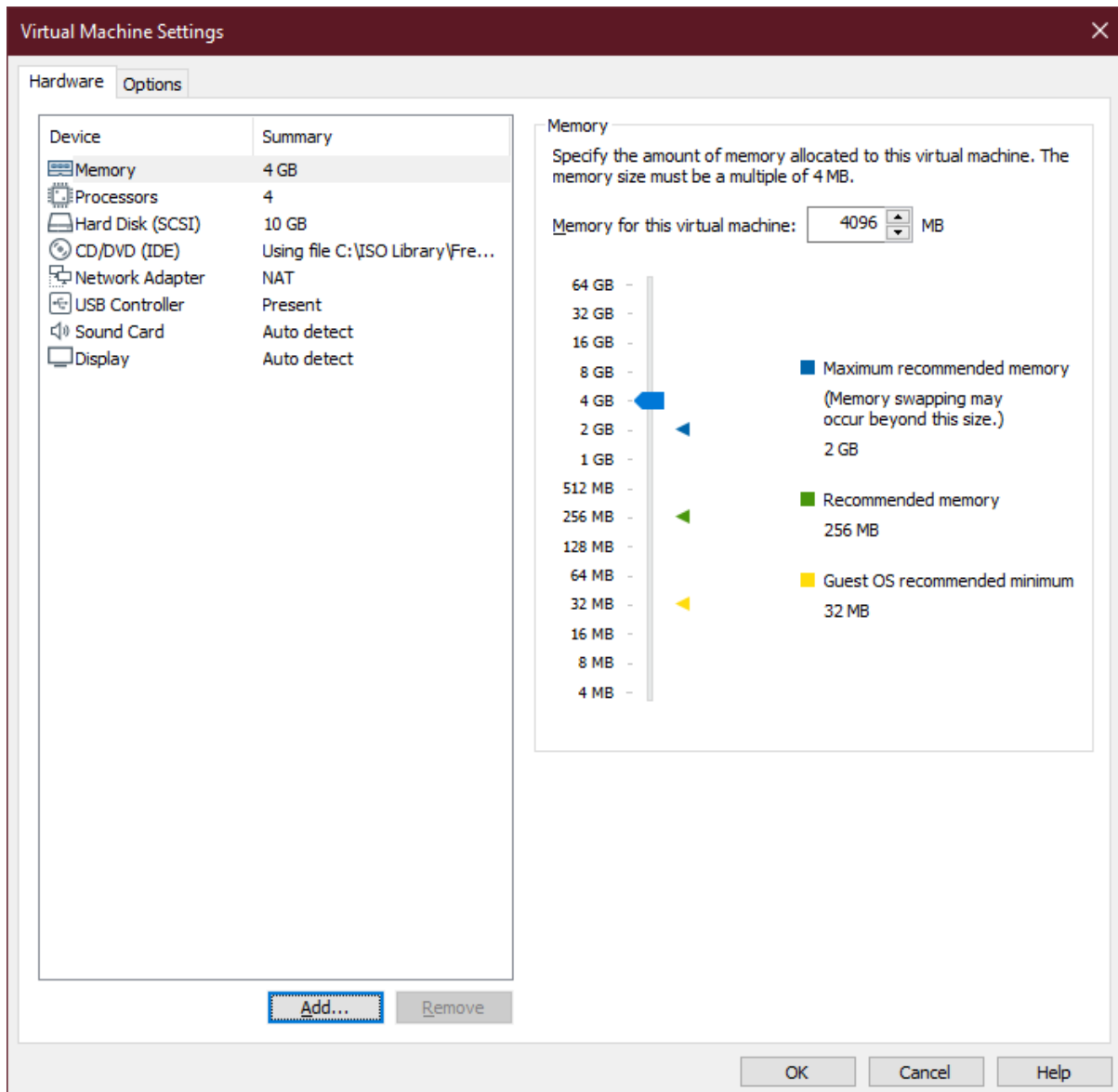


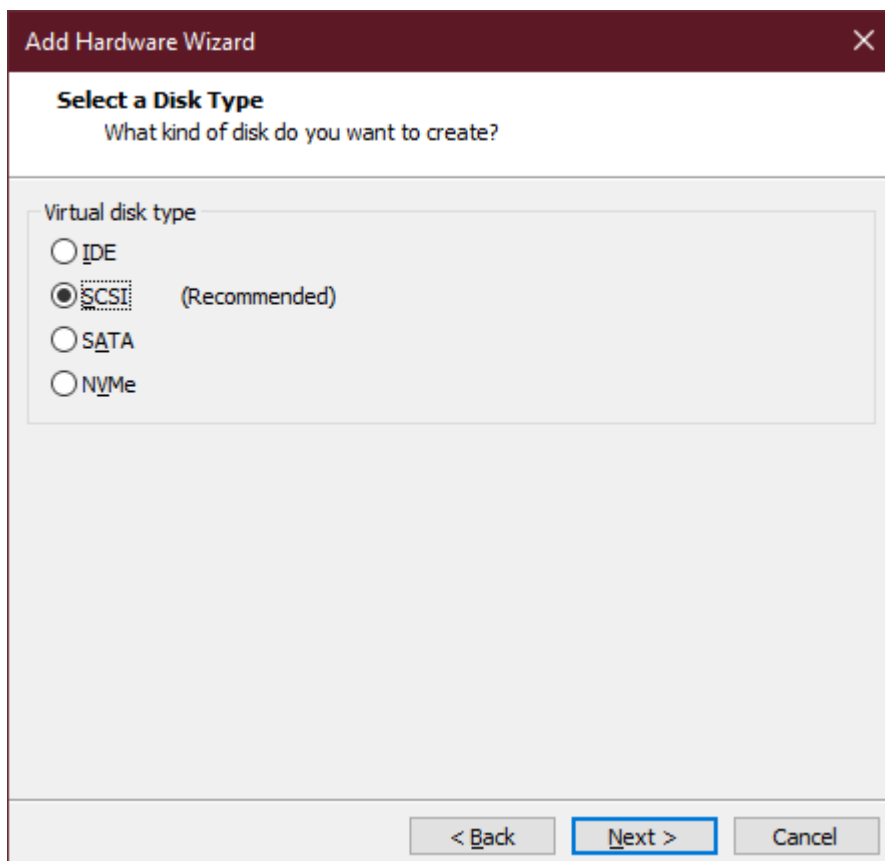
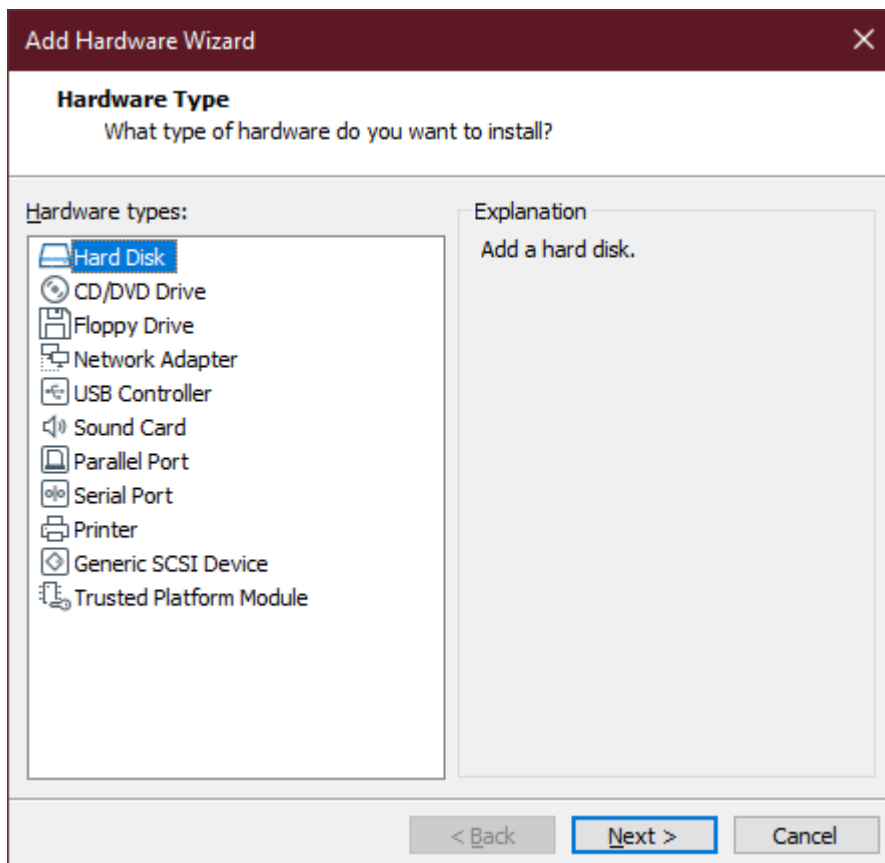
10. Tampilkan hasil akses shares untuk Lab Sisdig



DOKUMENTASI PERTEMUAN KELIMA (BILA ADA)

Cara menambah hardisk Experiment 1 :





Add Hardware Wizard ✕

Select a Disk
Which disk do you want to use?

Disk

☒ **Create a new virtual disk**
A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.

☐ Use an existing virtual disk
Choose this option to reuse a previously configured disk.

☐ Use a physical disk (for advanced users)
Choose this option to give the virtual machine direct access to a local hard disk. Requires administrator privileges.

< Back Next > Cancel

Add Hardware Wizard ✕

Specify Disk Capacity
How large do you want this disk to be?

Maximum disk size (GB): ▲ ▼

Recommended size for FreeBSD version 10 and earlier 64-bit: 20 GB

☐ Allocate all disk space now.
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

☐ Store virtual disk as a single file

☒ Split virtual disk into multiple files
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