

**TUGAS**  
**PRAKTIKUM SISTEM OPERASI**  
**MODUL 12 REMASTERING LINUX UBUNTU**



**Disusun Oleh :**

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**Kelas E**

**PROGRAM STUDI TEKNIK INFORMATIKA**  
**FAKULTAS KOMUNIKASI DAN INFORMATIKA**  
**UNIVERSITAS MUHAMMADIYAH SURAKARTA TAHUN 2022/2023**

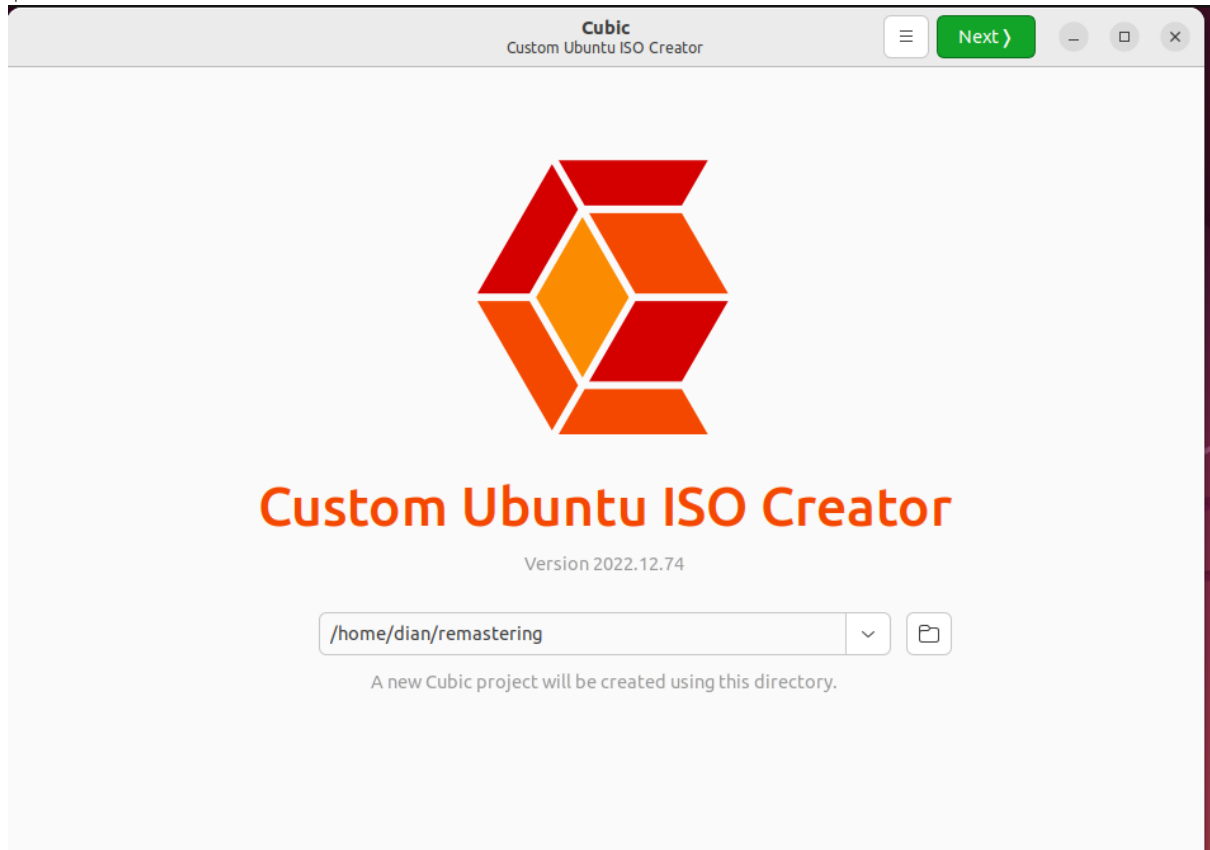


- Siapkan file iso linux ubuntu yang digunakan untuk remastering

Link download : <https://ubuntu.com/download/desktop>

- Menjalankan cubic

\$cubic



- Klik lanjutkan
- Memasukkan file ubuntu yang original untuk diremastering

Back

Test

Cubic

Custom Ubuntu ISO Creator

Next

Select the original disk image to customize.

Original Disk...		Custom Disk...	
		Version	2023.01.03 ✓
Filename	ubuntu-18.04.6-desktop-amd64.iso ✓	Filename	ubuntu-18.04.6-2023.01.03-desktop-amd64.i ✓
Directory	/home/dian/share ✓	Directory	/home/dian/remastering ✓
Volume ID	Ubuntu 18.04.6 LTS amd64 ✓	Volume ID	Ubuntu 18.04.6 2023.01.03 LTS ✓ 3 of 32 characters left.
Release	Bionic Beaver ✓	Release	Custom Bionic Beaver ✓
Disk Name	<div>The original disk name is not available.</div> ?	Disk Name	Ubuntu 18.04.6 2023.01.03 LTS "Custom Bion ✓
Release URL	http://www.ubuntu.com/getubuntu/release ✓	Release URL	http://www.ubuntu.com/getubuntu/release ✓
		OS Release	<input checked="" type="checkbox"/> Update the release description. ✓

- Melakukan kustomisasi sesuai dengan kemauan anda dibagian kanan custom disk

< Back   Test   ↶   ↷   Snap "snap-store" is refreshing now!

Select the original disk image to customize.

Original Disk...		Custom Disk...	
		Version	2023.01.03   ↻   ✓
Filename	ubuntu-18.04.6-desktop-amd64.iso   📁   ✓	Filename	hai.iso   ✓
Directory	/home/dian/share   ✓	Directory	/home/dian/remastering   📁   ✓
Volume ID	Ubuntu 18.04.6 LTS amd64   ✓	Volume ID	hai 0.1 LTS   ✓ <small>21 of 32 characters left.</small>
Release	Bionic Beaver   ✓	Release	projek   ✓
Disk Name	<input type="text"/> ? <small>The original disk name is not available.</small>	Disk Name	hai 0.1 LTS "projek"   ✓
Release URL	http://www.ubuntu.com/getubuntu/release   ✓	Release URL	http://www.ubuntu.com/getubuntu/release   ✓
		OS Release	<input checked="" type="checkbox"/> Update the release description.   ✓

- Tunggu proses

< Back   Cubic Custom Ubuntu ISO Creator   ≡   Customize >   —   □   ×

Extracting the original disk...

☒ Analyze the original disk image.  
Success.

☒ Copy important files from the original disk image.  

100%

☐ Extract the compressed Linux file system.  

2%

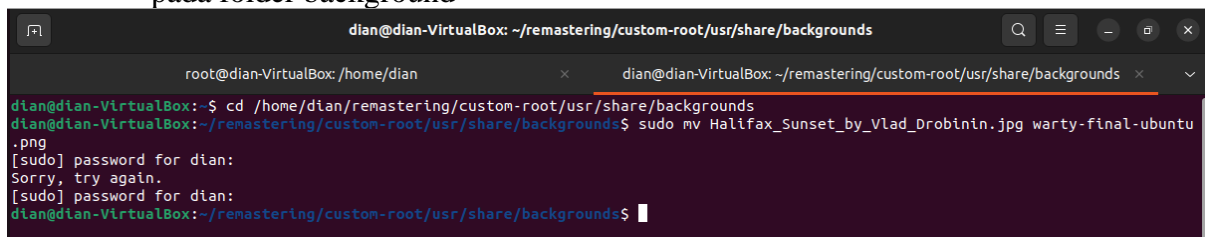
- Masuk ke virtual environment, di virtual environment dapat menambahkan atau mengurangi aplikasi di linux
    1. Inscope
- \$ apt install inkscape

```

root@cubic:~# apt install inkscape
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  fig2dev gawk libblas3 libgfortran4 libgsl23 libgslcblas0 libgtkspell0 liblapack3 libmagick++-6.q16-7
  libpotrace0 libquadmath0 libsigsegv2 libwmf-bin python-bs4 python-chardet python-html5lib
  python-lxml python-numpy python-pkg-resources python-scour python-six python-webencodings
  python3-scour scour transfig
Suggested packages:
  xfig gawk-doc dia libsvg-perl libxml-xql-perl pstoeit python-uniconvertor ruby gsl-ref-psdoc
  | gsl-doc-pdf | gsl-doc-info | gsl-ref-html python-genshi python-lxml-dbg python-lxml-doc gcc
  gfortran python-dev python-nose python-numpy-dbg python-numpy-doc python-setuptools
Recommended packages:
  libimage-magick-perl
The following NEW packages will be installed:
  fig2dev gawk inkscape libblas3 libgfortran4 libgsl23 libgslcblas0 libgtkspell0 liblapack3
  libmagick++-6.q16-7 libpotrace0 libquadmath0 libsigsegv2 libwmf-bin python-bs4 python-chardet
  python-html5lib python-lxml python-numpy python-pkg-resources python-scour python-six
  python-webencodings python3-scour scour transfig
0 upgraded, 26 newly installed, 0 to remove and 306 not upgraded.
Need to get 25.0 MB of archives.
After this operation, 164 MB of additional disk space will be used

```

- Jika ingin mengganti wallpaper linux yang di diremastering
  1. Pindahkan gambar png ke dalam penyimpanan yang awal sudah dibuat.
  2. Home/Documents/cubic/custom-root/usr/share/backgrounds lalu simpan gambar pada folder background



The screenshot shows a terminal window titled 'dian@dian-VirtualBox: ~/remastering/custom-root/usr/share/backgrounds'. The user has navigated to the directory and executed the command: `sudo mv Halifax_Sunset_by_Vlad_Drobinin.jpg warty-final-ubuntu.png`. The terminal output shows the command was successful, with a prompt for the user's password and a confirmation message: `[sudo] password for dian: Sorry, try again. [sudo] password for dian: dian@dian-VirtualBox:~/remastering/custom-root/usr/share/backgrounds$`.

## - Setting Apps Autoremove (Opsional)

Select packages that will be automatically removed for a typical or minimal install.

All packages listed are available in the live environment. Check marked packages will be removed during installation.

Typical	Minimal	Package	Version
<input type="checkbox"/>	<input type="checkbox"/>	accountsservice	0.6.45-1ubuntu1.3
<input type="checkbox"/>	<input type="checkbox"/>	acl	2.2.52-3build1
<input type="checkbox"/>	<input type="checkbox"/>	acpi-support	0.142
<input type="checkbox"/>	<input type="checkbox"/>	acpid	1:2.0.28-1ubuntu1
<input type="checkbox"/>	<input type="checkbox"/>	adduser	3.116ubuntu1
<input type="checkbox"/>	<input type="checkbox"/>	adium-theme-ubuntu	0.3.4-0ubuntu4
<input type="checkbox"/>	<input type="checkbox"/>	adwaita-icon-theme	3.28.0-1ubuntu1
<input type="checkbox"/>	<input checked="" type="checkbox"/>	aisleriot	1:3.22.5-1
<input type="checkbox"/>	<input type="checkbox"/>	alsa-base	1.0.25+dfsg-0ubuntu5
<input type="checkbox"/>	<input type="checkbox"/>	alsa-utils	1.1.3-1ubuntu1
<input type="checkbox"/>	<input type="checkbox"/>	amd64-microcode	3.20191021.1+really3.20181128.1~ubuntu0.18.04.1
<input type="checkbox"/>	<input type="checkbox"/>	anacron	2.3-24
<input type="checkbox"/>	<input type="checkbox"/>	apg	2.2.3.dfsg.1-5
<input type="checkbox"/>	<input type="checkbox"/>	app-install-data-partner	16.04
<input type="checkbox"/>	<input type="checkbox"/>	apparmor	2.12-4ubuntu5.1
<input type="checkbox"/>	<input type="checkbox"/>	appport	2.20.9-0ubuntu7.26
<input type="checkbox"/>	<input type="checkbox"/>	appport-gtk	2.20.9-0ubuntu7.26
<input type="checkbox"/>	<input type="checkbox"/>	appport-symptoms	0.20
<input type="checkbox"/>	<input type="checkbox"/>	appstream	0.12.0-3ubuntu1
<input type="checkbox"/>	<input type="checkbox"/>	apt	1.6.14
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	apt-clone	0.4.1ubuntu2
<input type="checkbox"/>	<input type="checkbox"/>	apt-config-icons	0.12.0-3ubuntu1

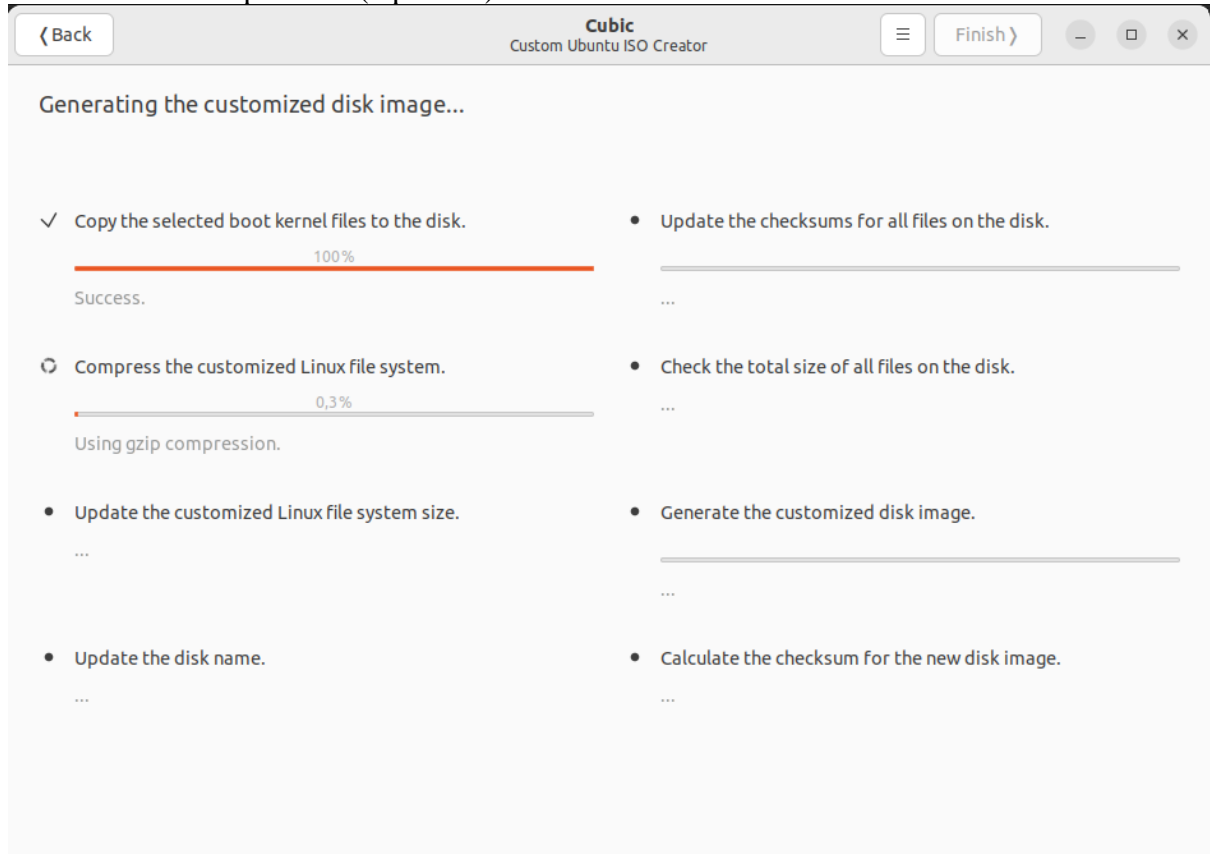
## - Ubah kernel (Opsional)

Make changes to advanced options on the tabs above, or proceed with default settings.

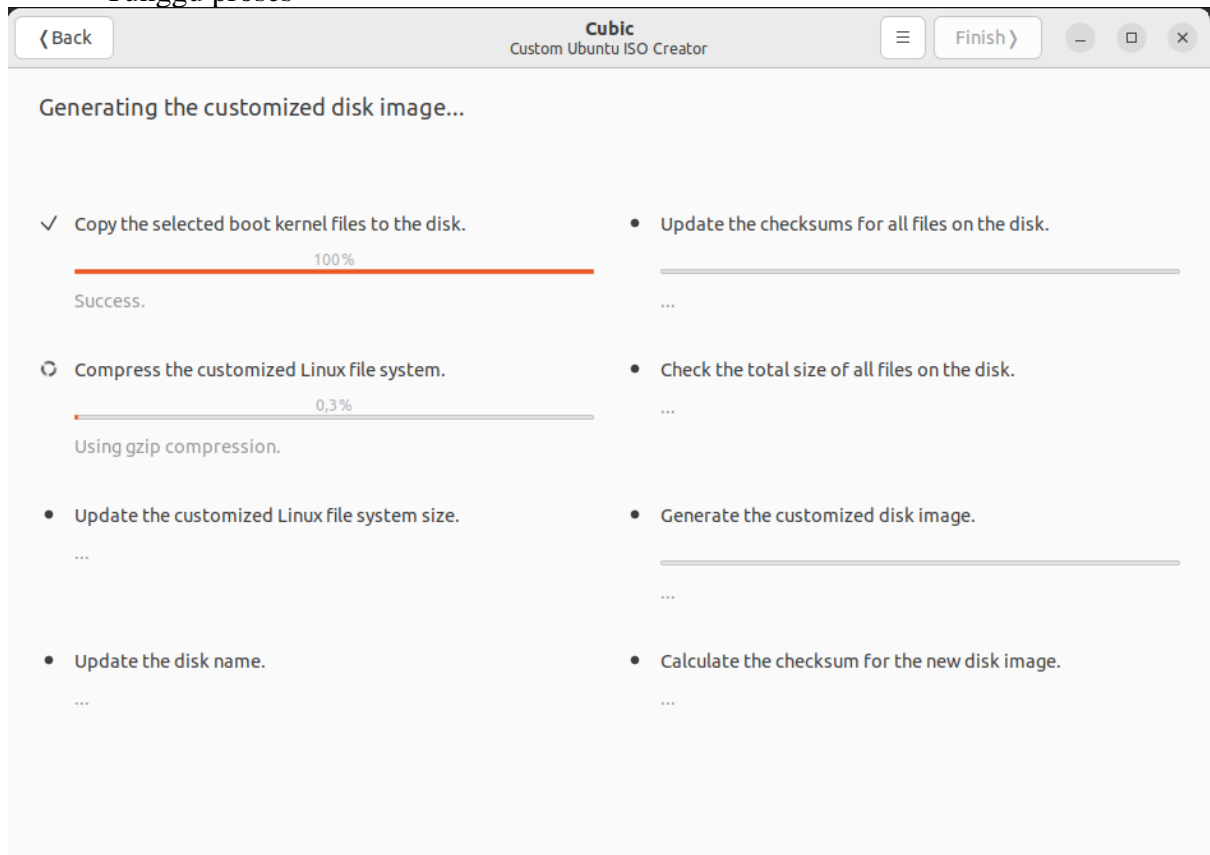
Select the kernel that will be used to bootstrap the customized disk.  
The disk boot configurations will be automatically updated with the correct vmlinuz and initrd file names.

	Version	Boot Files	Notes
●	4.15.0-200	vmlinuz-4.15.0-200-generic initrd.img-4.15.0-200-generic	Reference these files as vmlinuz and initrd.gz in the disk boot configurations.

## - Ubah Compression (Opsional)



## - Tunggu proses






- Jika sudah selesai cek dengan ls remastering/ maka akan terdapat file iso dan md5

**Cubic**  
Custom Ubuntu ISO Creator

< Back Test Close


The following customized disk image has been successfully created.

Custom Disk  

Size

Directory

Checksum

Checksum File  

Version

Volume ID

Release

Disk Name

☐ Delete all project files, except the generated disk image and the corresponding checksum file.

Activities Terminal Jan 6 19:20 dian@dian-VirtualBox: ~

```
dian@dian-VirtualBox:~$ ls remastering/  
cubic.conf  custom-disk  custom-root  partition-1.img  project.iso  project.md5  
dian@dian-VirtualBox:~$
```