

**LAPORAN PRAKTIKUM SISTEM OPERASI  
MODUL 12  
“REMASTERING”**



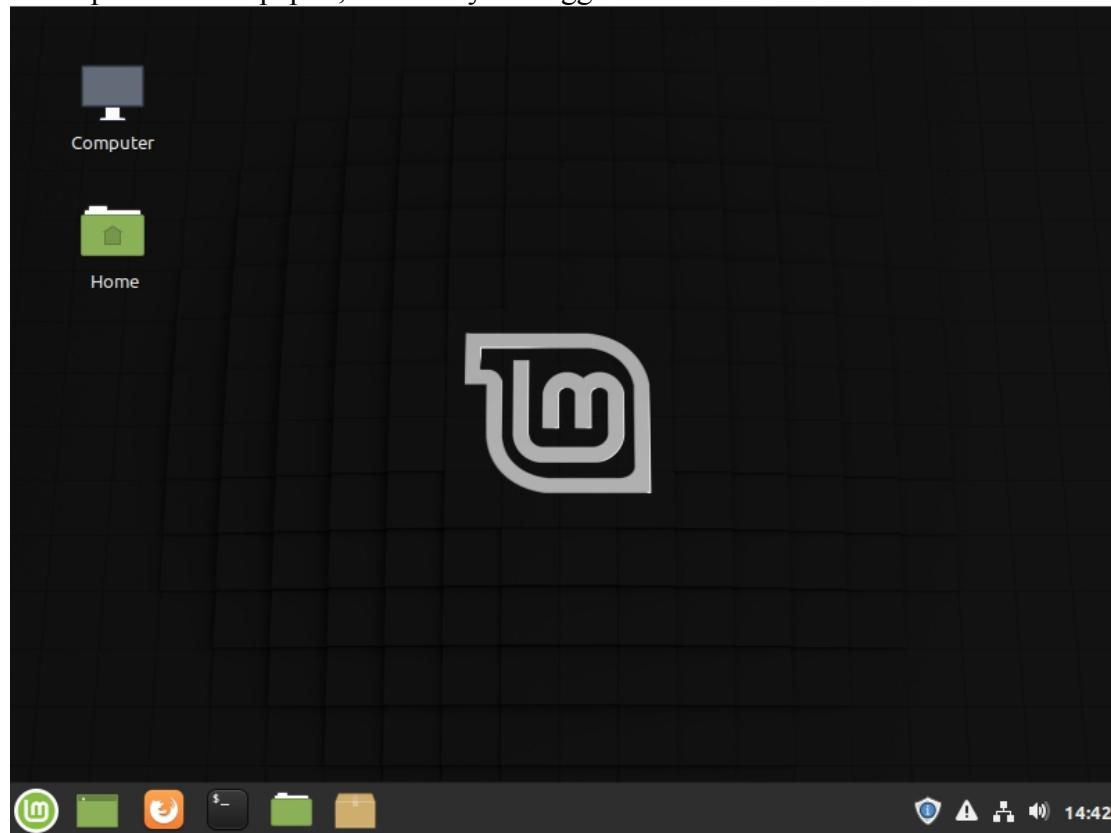
**Oleh:**

**NAMA : Daffa Putra Alwansyah  
NIM : L200190031  
KELAS : B  
PRODI : INFORMATIKA**

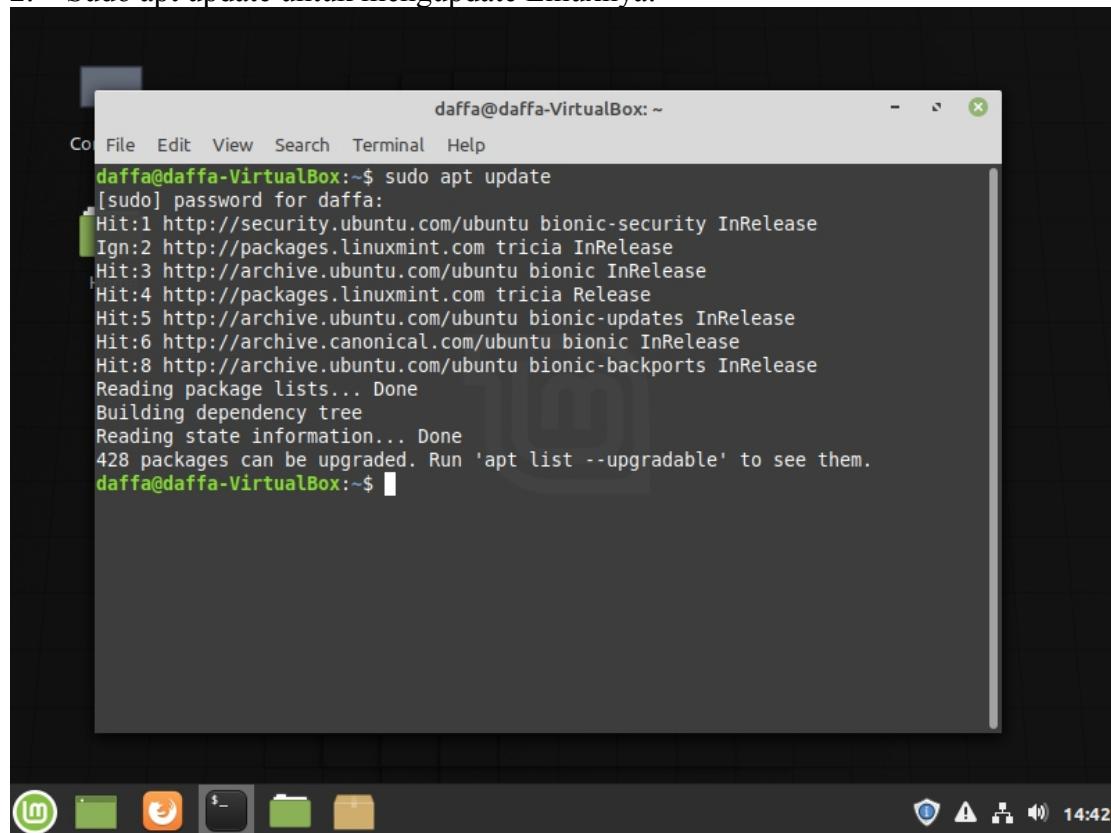
**Fakultas Komunikasi dan Informatika Universitas  
Muhammadiyah Surakarta**

## Cara Remastering Linux:

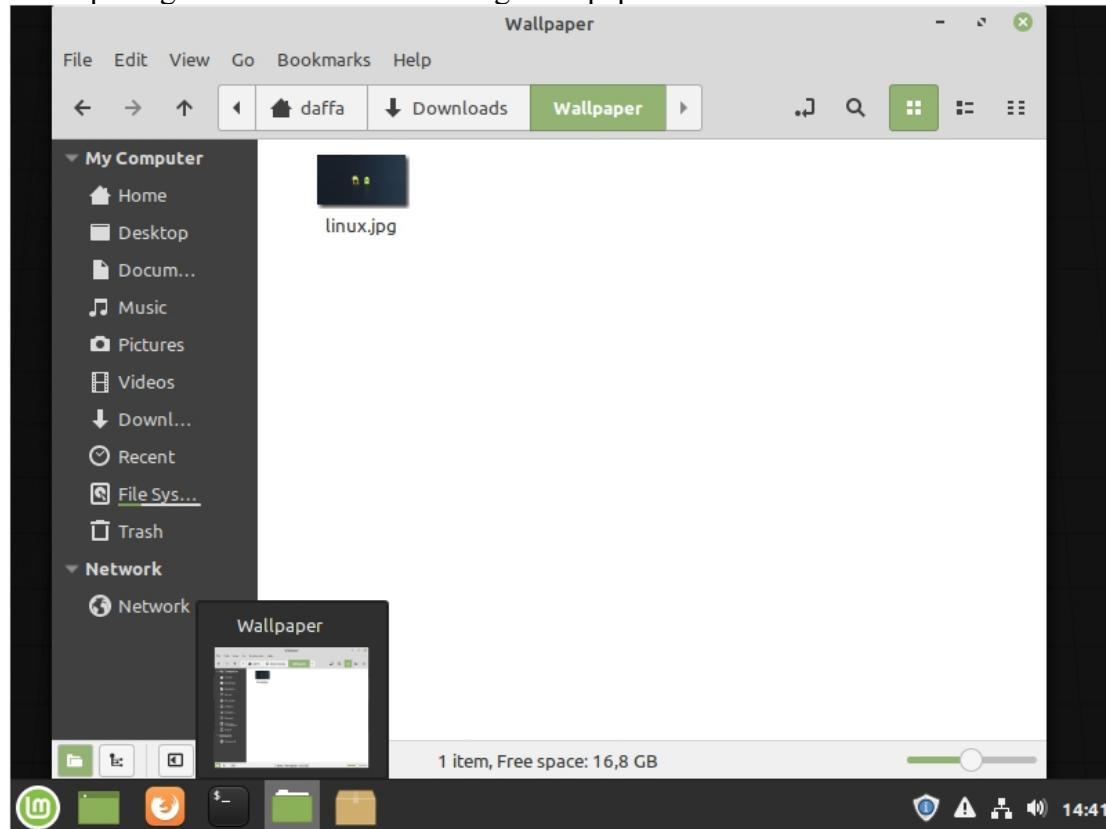
1. Siapkan Linux apapun, di sini saya menggunakan Linux Mint versi 19.3.



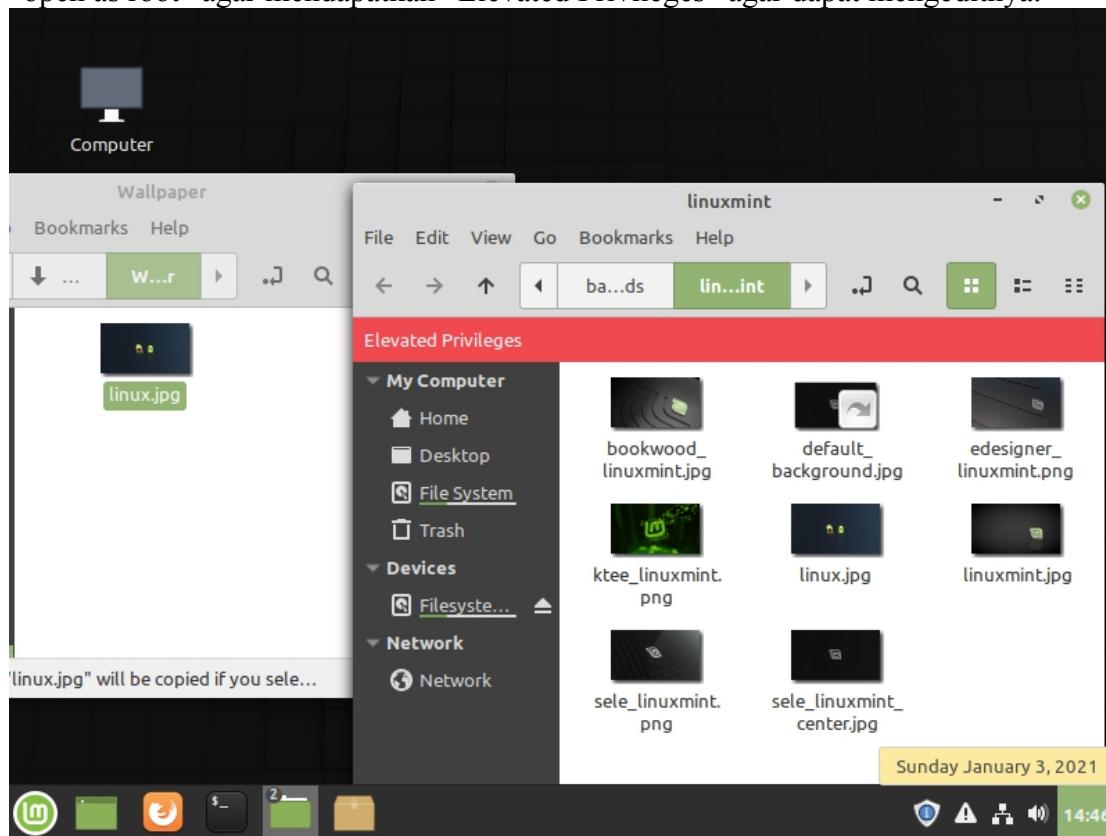
2. Sudo apt update untuk mengupdate Linuxnya.



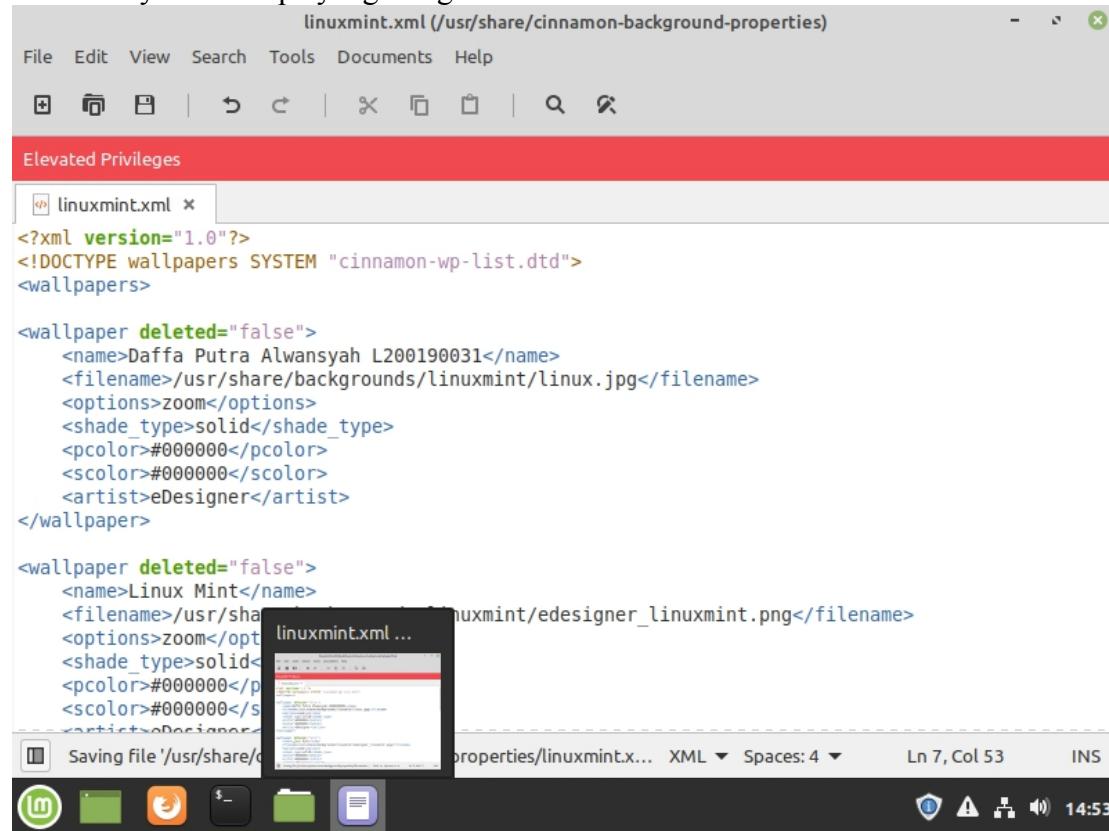
3. Siapkan gambar untuk “remastering” wallpaper.



4. Pergi ke Device > FileSystem > /usr/share/ lalu search “Background” pilih folder Linux Mint , setelah itu Copy dan Paste di Folder tersebut. Jangan lupa klik kanan “open as root” agar mendapatkan “Elevated Privileges” agar dapat mengeditnya.



5. Setelah itu pergi ke /usr/share/cinnamon-background-properties. Ubah nama dan filenamanya sesuai apa yang diinginkan.



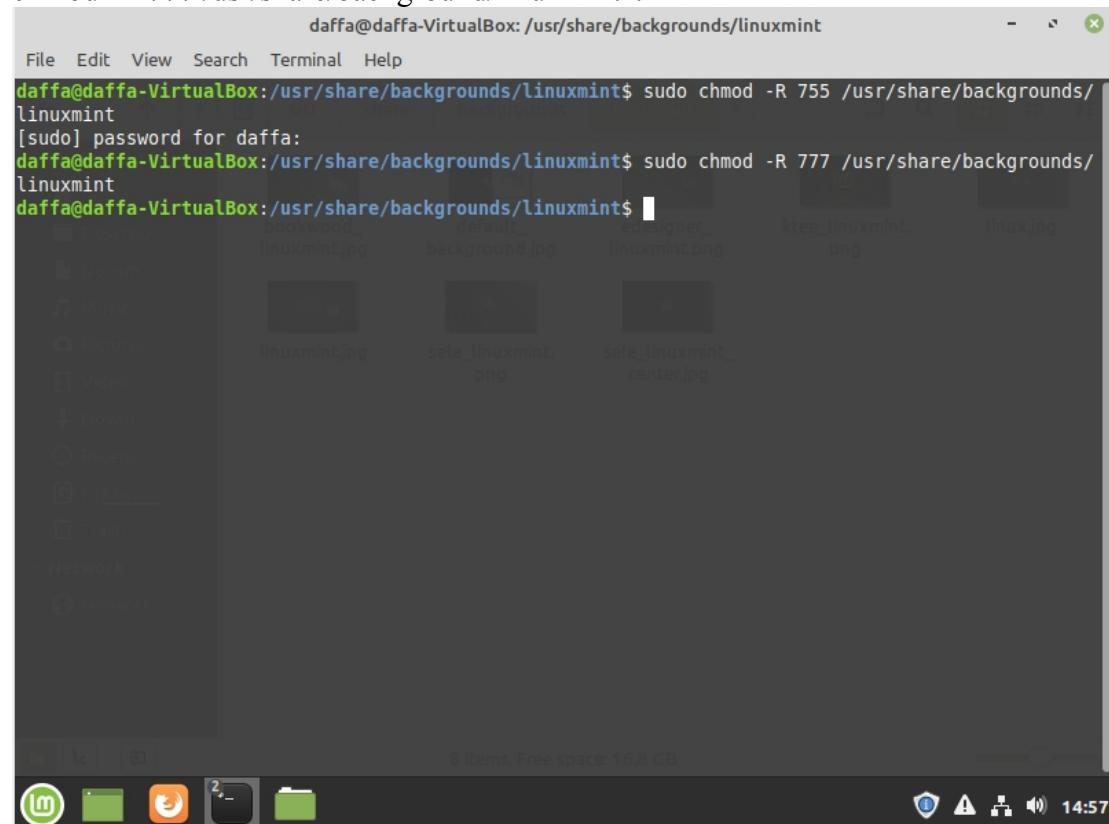
```
linuxmint.xml (/usr/share/cinnamon-background-properties)
File Edit View Search Tools Documents Help
Elevated Privileges
linuxmint.xml x
<?xml version="1.0"?>
<!DOCTYPE wallpapers SYSTEM "cinnamon-wp-list.dtd">
<wallpapers>

<wallpaper deleted="false">
  <name>Daffa Putra Alwansyah L200190031</name>
  <filename>/usr/share/backgrounds/linuxmint/linux.jpg</filename>
  <options>zoom</options>
  <shade_type>solid</shade_type>
  <pcolor>#000000</pcolor>
  <scolor>#000000</scolor>
  <artist>eDesigner</artist>
</wallpaper>

<wallpaper deleted="false">
  <name>Linux Mint</name>
  <filename>/usr/share/backgrounds/linuxmint/edesigner_linuxmint.png</filename>
  <options>zoom</options>
  <shade_type>solid</shade_type>
  <pcolor>#000000</pcolor>
  <scolor>#000000</scolor>
  <artist>eDesigner</artist>
</wallpaper>

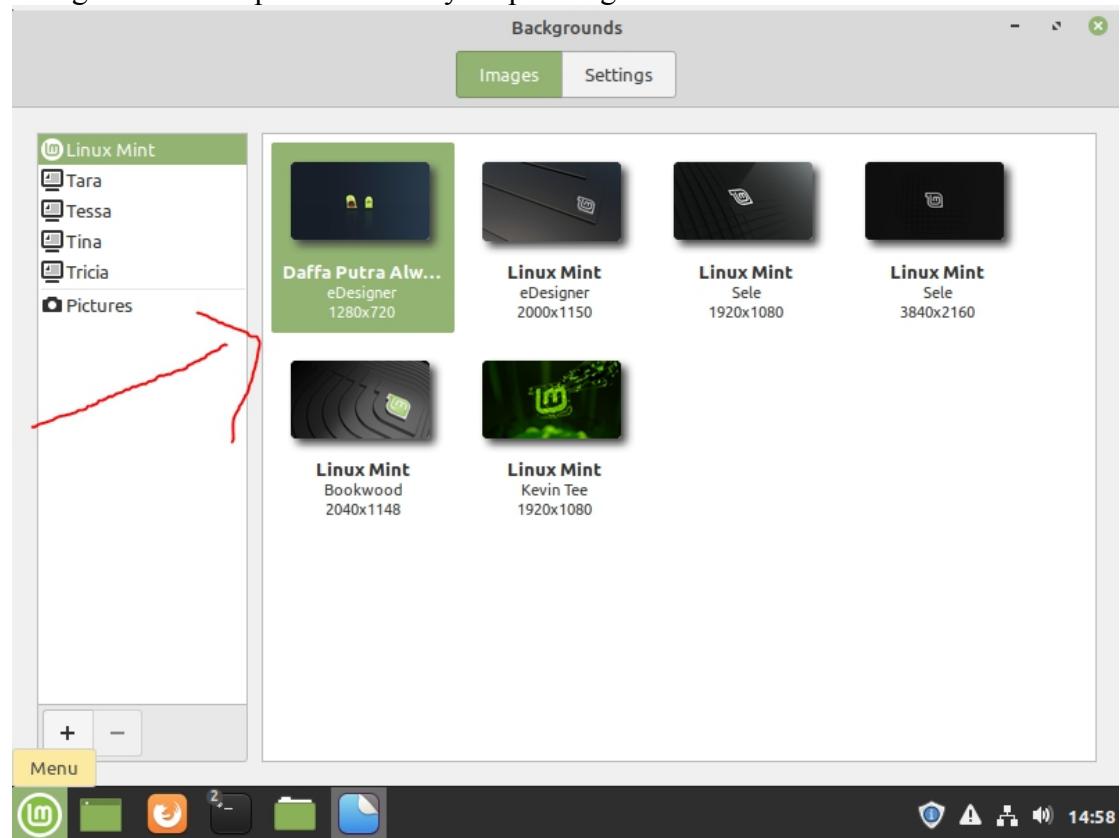
```

6. Setelah itu “sudo chmod -R 755 /usr/share/background/linuxmint” dan “sudo chmod -R 777 /usr/share/background/linuxmint”.

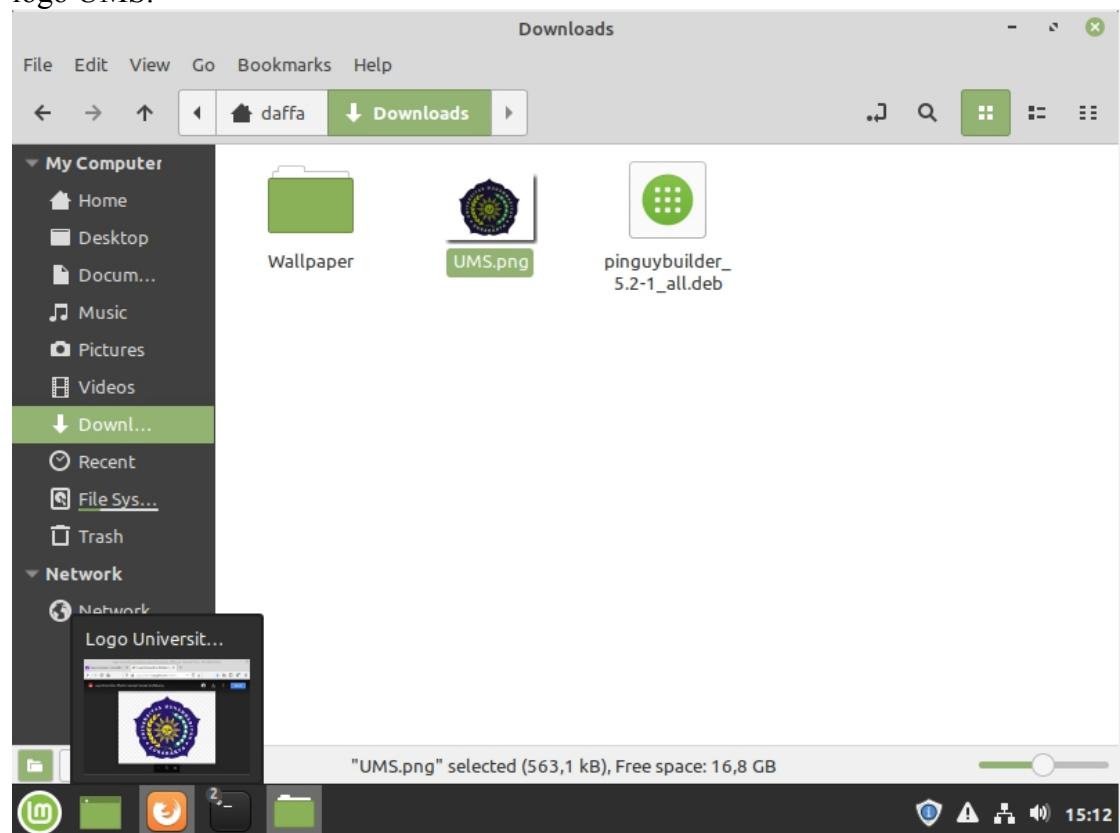


```
daffa@daffa-VirtualBox: /usr/share/backgrounds/linuxmint$ sudo chmod -R 755 /usr/share/backgrounds/linuxmint
[sudo] password for daffa:
daffa@daffa-VirtualBox: /usr/share/backgrounds/linuxmint$ sudo chmod -R 777 /usr/share/backgrounds/linuxmint
daffa@daffa-VirtualBox: /usr/share/backgrounds/linuxmint$
```

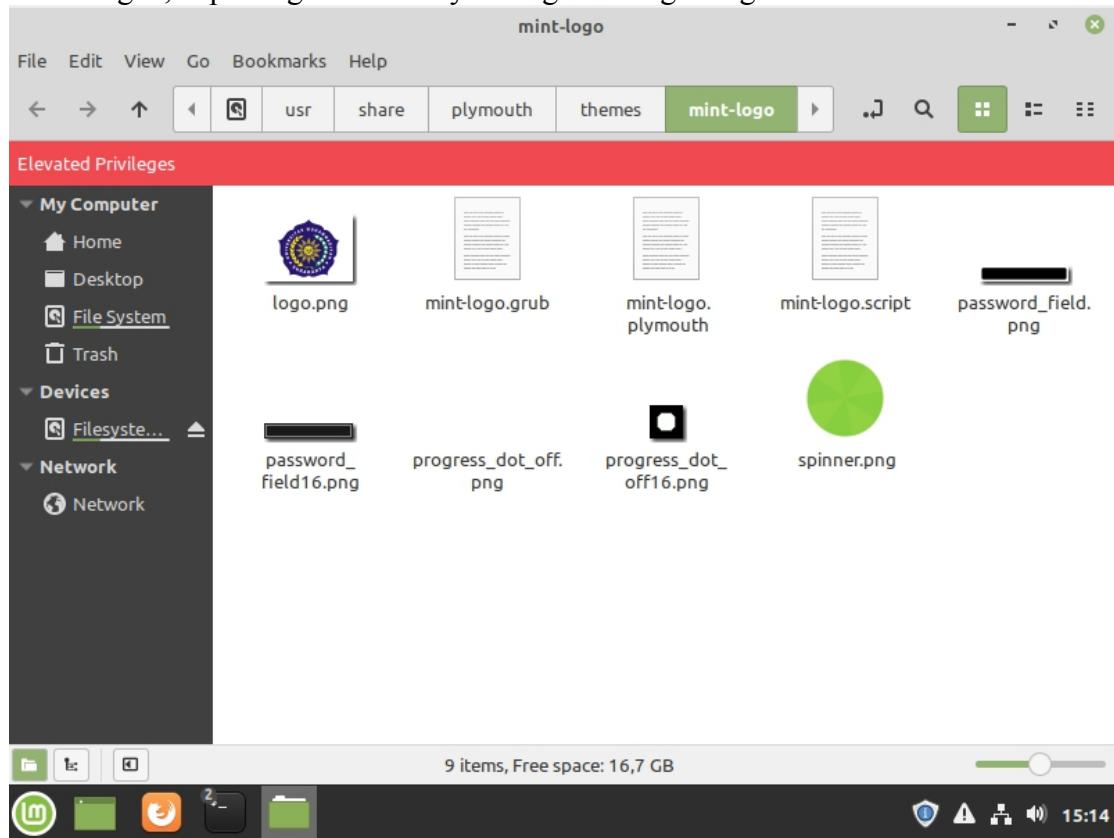
7. untuk mengcek apakah sudah berhasil, klik kanan pada desktop lalu change background desktop. Maka hasilnya seperti digambar.



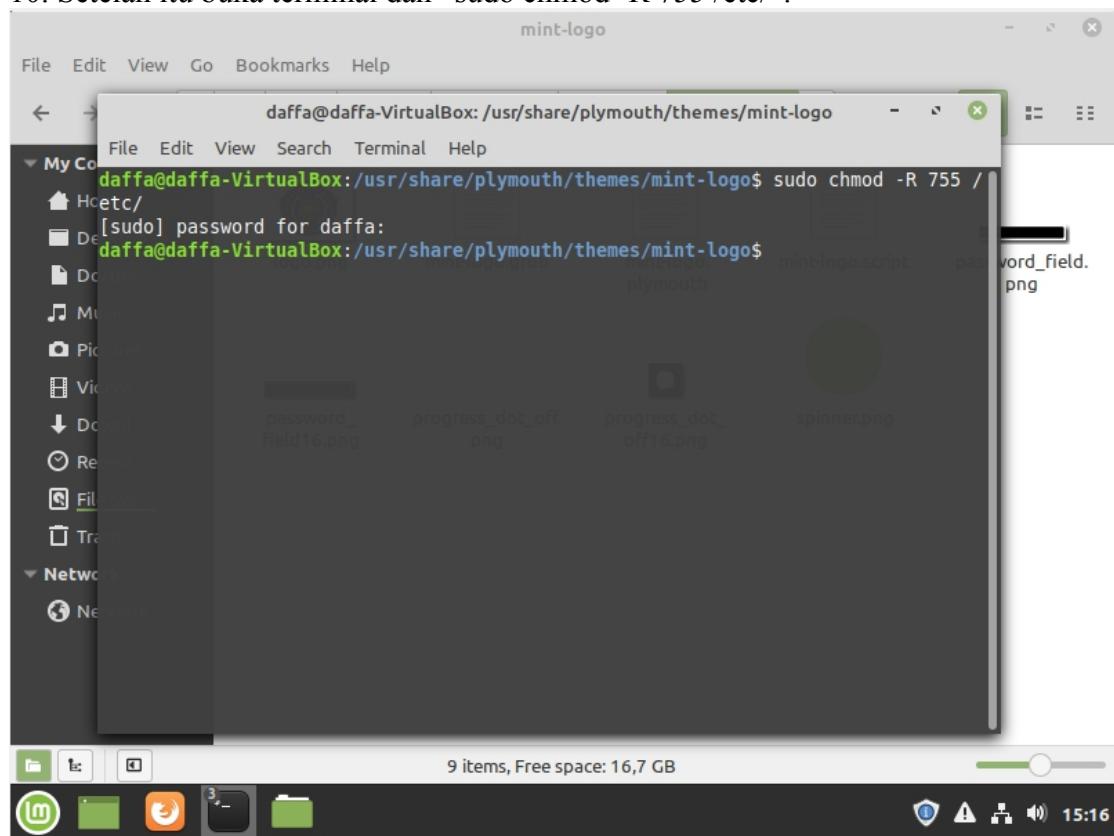
8. Bisa juga mengganti logo saat booting. Siapkan logonya, di sini saya menggunakan logo UMS.



9. Copy dan pastekan didalam folder mint-logo. Lokasinya di FileSystem dan search “mint-logo”, hapus logo sebelumnya dan ganti dengan logo UMS.



10. Setelah itu buka terminal dan “sudo chmod -R 755 /etc/”.



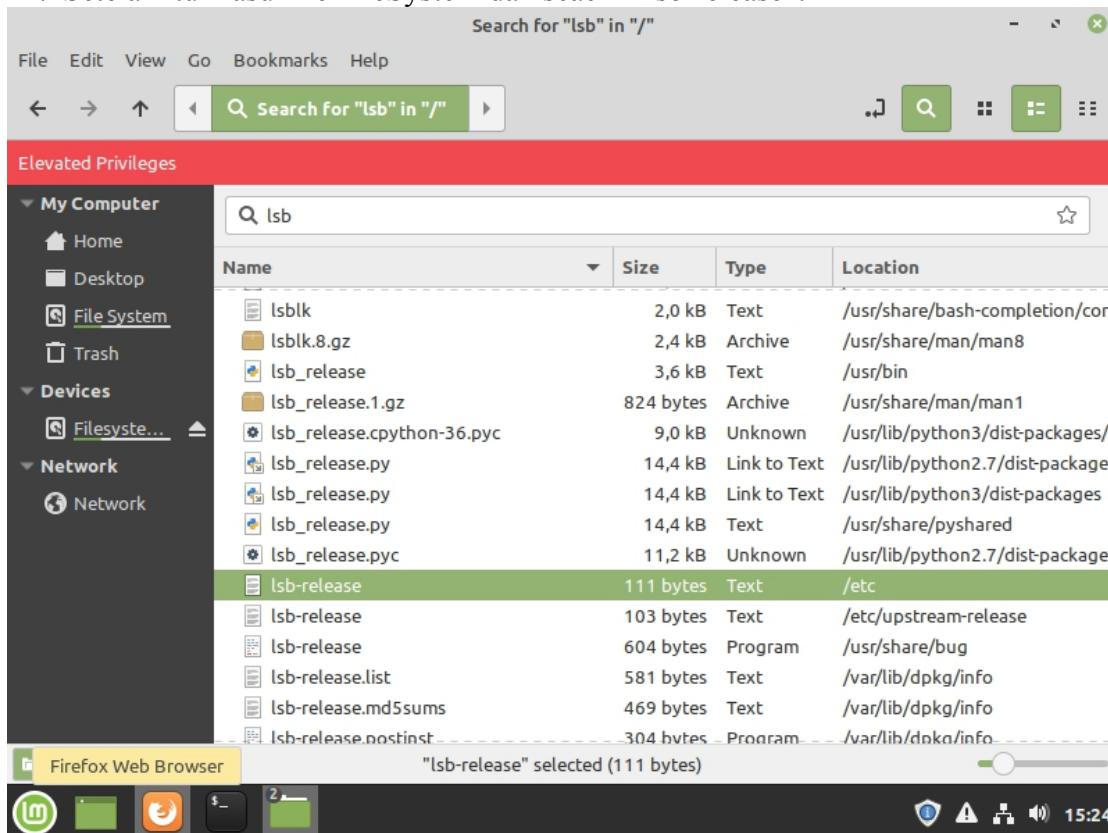
11. Buka di terminal dan “sudo update-alternatives --config default.plymouth” lalu masukan angka 0. dan “sudo update-initramfs -u”.

```
daffa@daffa-VirtualBox: ~
File Edit View Search Terminal Help
daffa@daffa-VirtualBox:~$ sudo update-alternatives --config default.plymouth
[sudo] password for daffa:
There are 2 choices for the alternative default.plymouth (providing /usr/share/plymouth/themes/default.plymouth).

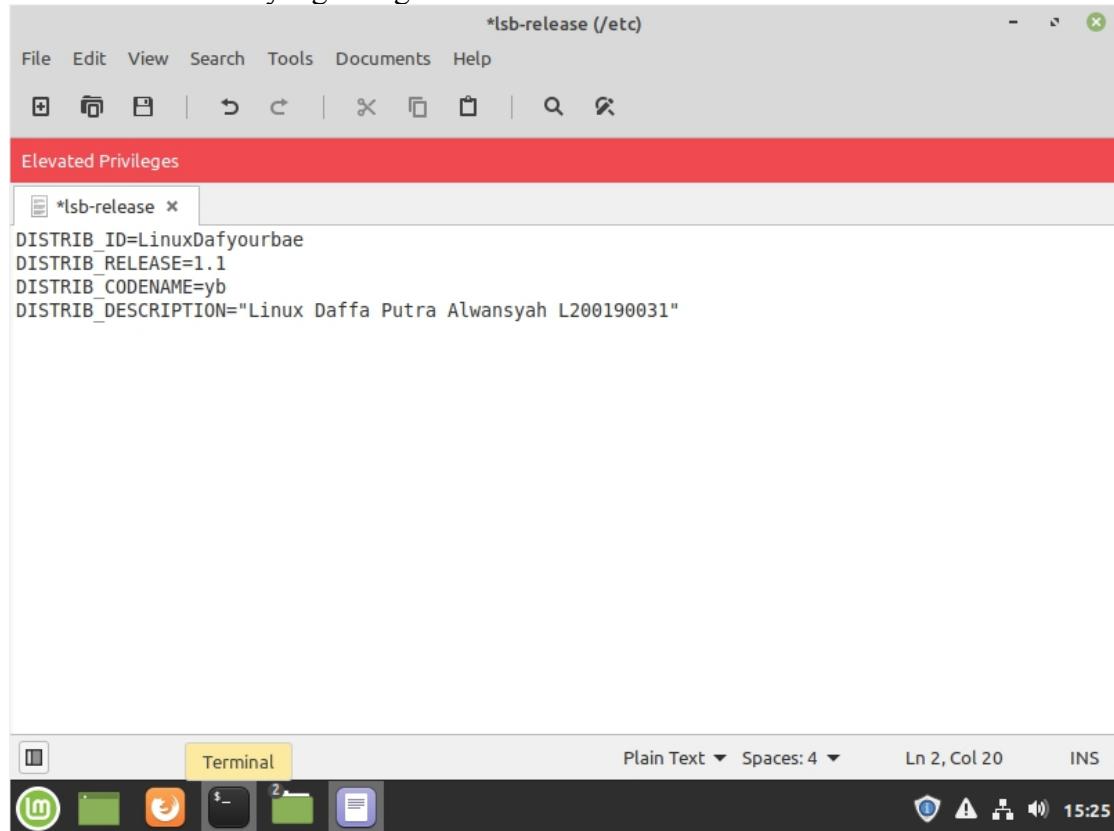
      Selection    Path
          Priority   Status
-----*
*      0           /usr/share/plymouth/themes/mint-logo/mint-logo.plymouth
                200     auto mode
      1           /usr/share/plymouth/themes/mint-logo-legacy/mint-logo-legacy.plym
outh    100        manual mode
      2           /usr/share/plymouth/themes/mint-logo/mint-logo.plymouth
                200     manual mode

Press <enter> to keep the current choice[*], or type selection number: 0
daffa@daffa-VirtualBox:~$ sudo update-initramfs -u
update-initramfs: Generating /boot/initrd.img-5.0.0-32-generic
daffa@daffa-VirtualBox:~$
```

12. Setelah itu masuk ke FileSystem dan seacrh “lsb-release”.

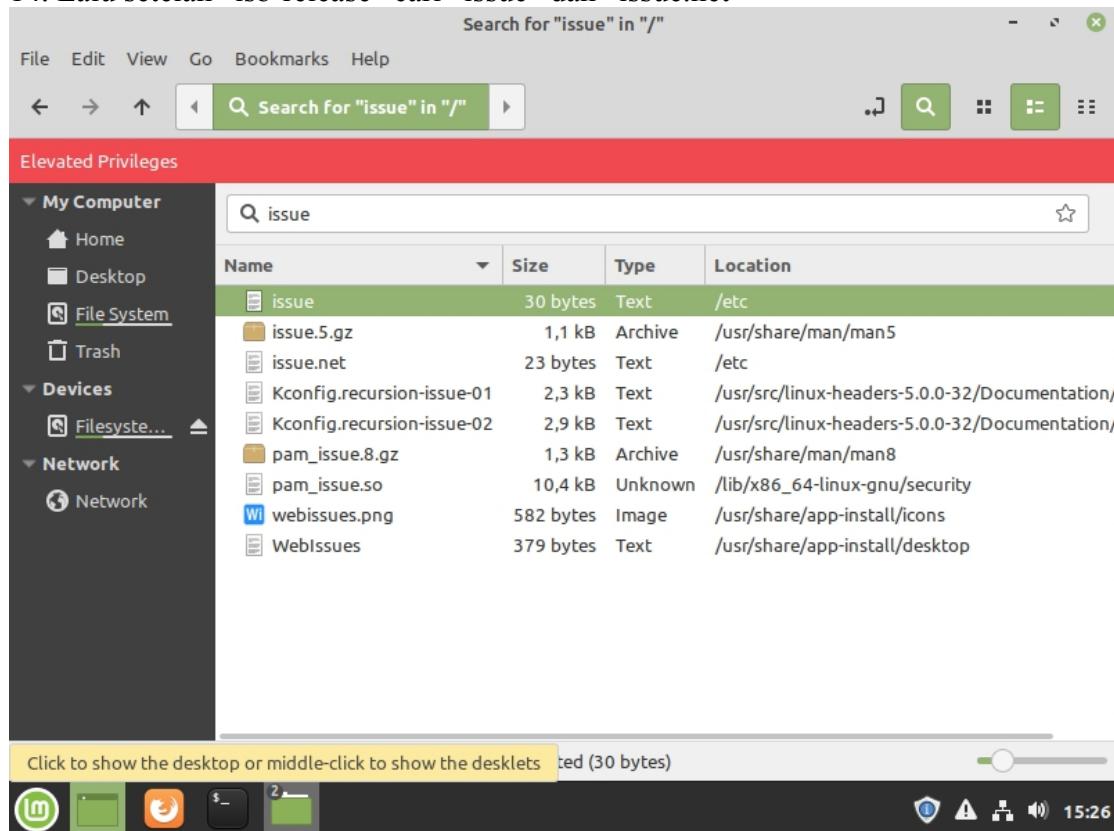


13. Lalu edit sesuai yang di inginkan.



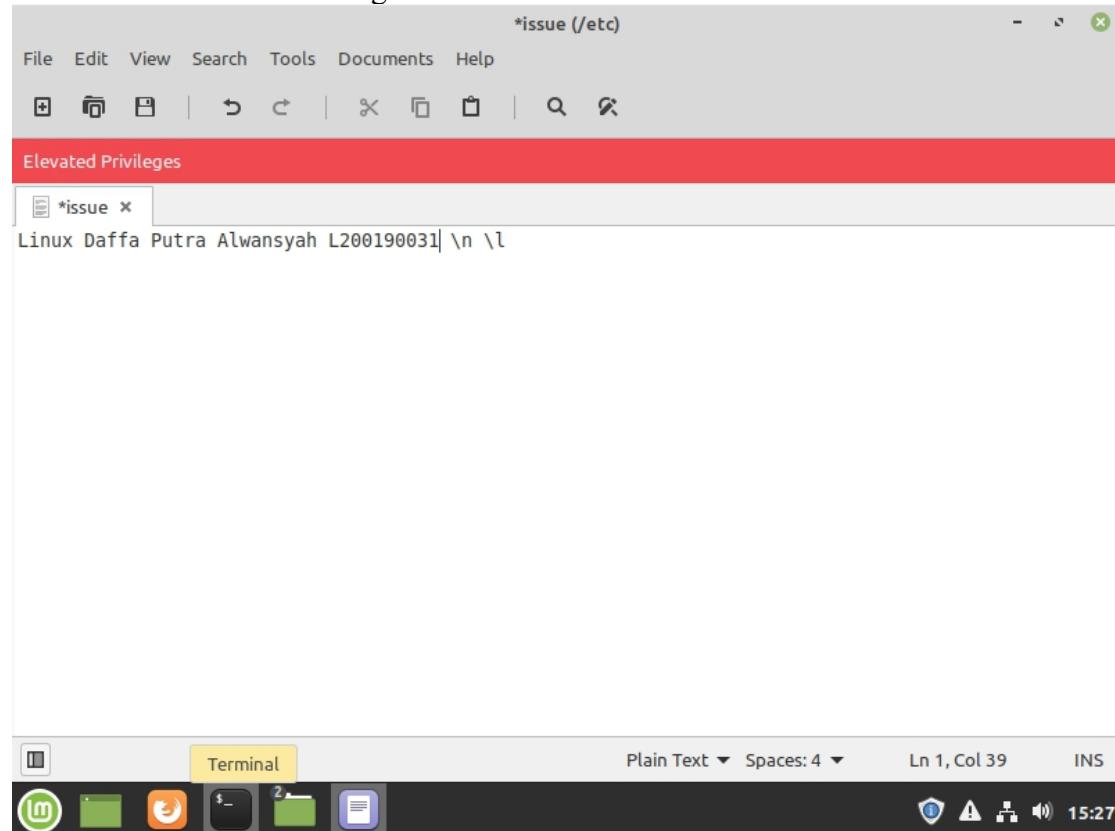
```
*lsb-release (/etc)
File Edit View Search Tools Documents Help
Elevated Privileges
*lsb-release x
DISTRIB_ID=LinuxDafyourbae
DISTRIB_RELEASE=1.1
DISTRIB_CODENAME=yb
DISTRIB_DESCRIPTION="Linux Daffa Putra Alwansyah L200190031"
```

14. Lalu setelah “lsb-release” cari “issue” dan “issue.net”



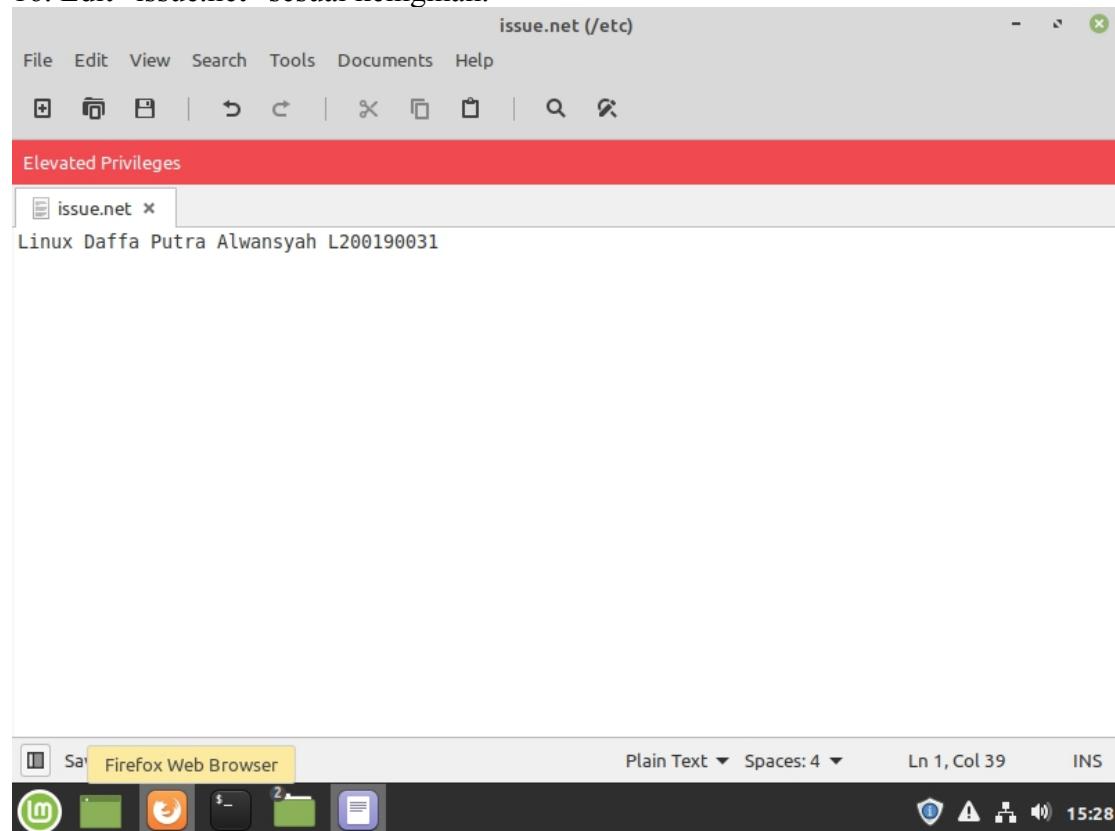
Name	Size	Type	Location
issue	30 bytes	Text	/etc
issue.5.gz	1,1 kB	Archive	/usr/share/man/man5
issue.net	23 bytes	Text	/etc
Kconfig.recurse-issue-01	2,3 kB	Text	/usr/src/linux-headers-5.0.0-32/Documentation/
Kconfig.recurse-issue-02	2,9 kB	Text	/usr/src/linux-headers-5.0.0-32/Documentation/
pam_issue.8.gz	1,3 kB	Archive	/usr/share/man/man8
pam_issue.so	10,4 kB	Unknown	/lib/x86_64-linux-gnu/security
webissues.png	582 bytes	Image	/usr/share/app-install/icons
WebIssues	379 bytes	Text	/usr/share/app-install/desktop

15. Edit “issue” sesuai keinginan.



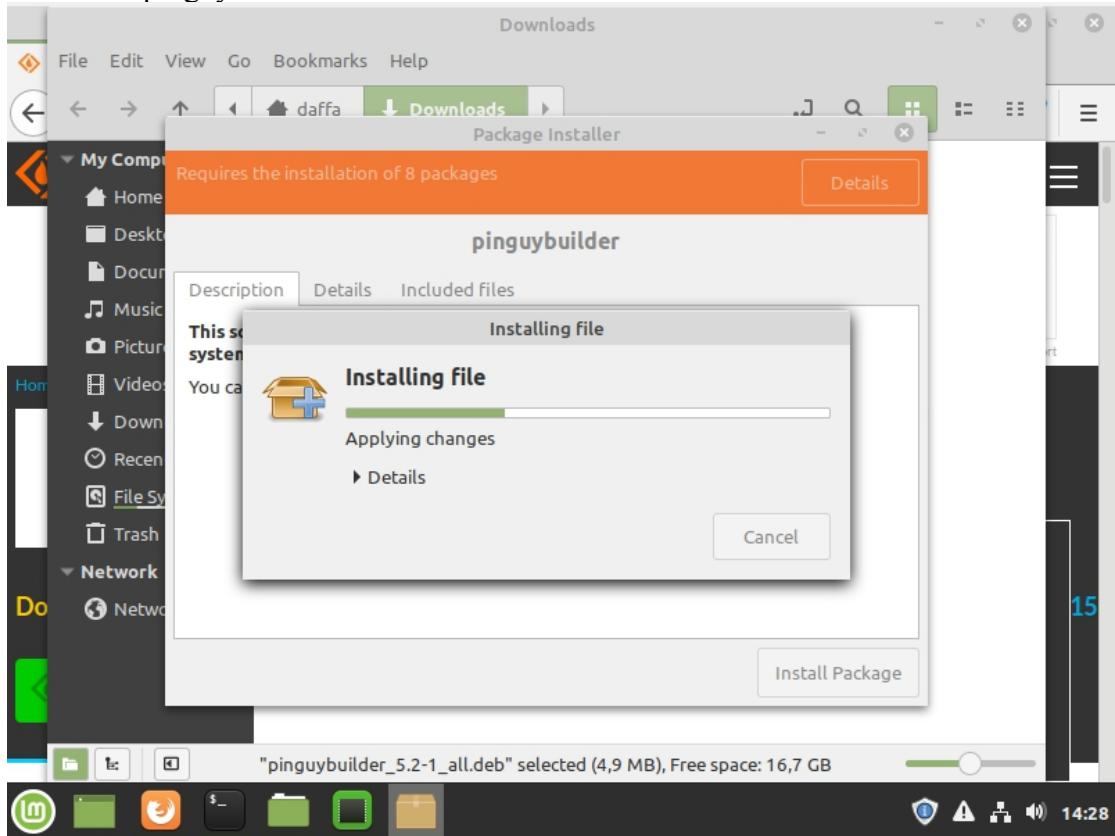
```
*issue (/etc)
File Edit View Search Tools Documents Help
+ 🖨 🗃 | ⏪ ⏵ | ✎ 🗑 | 🔍 🔍
Elevated Privileges
*issue x
Linux Daffa Putra Alwansyah L200190031\n \l
```

16. Edit “issue.net” sesuai keinginan.

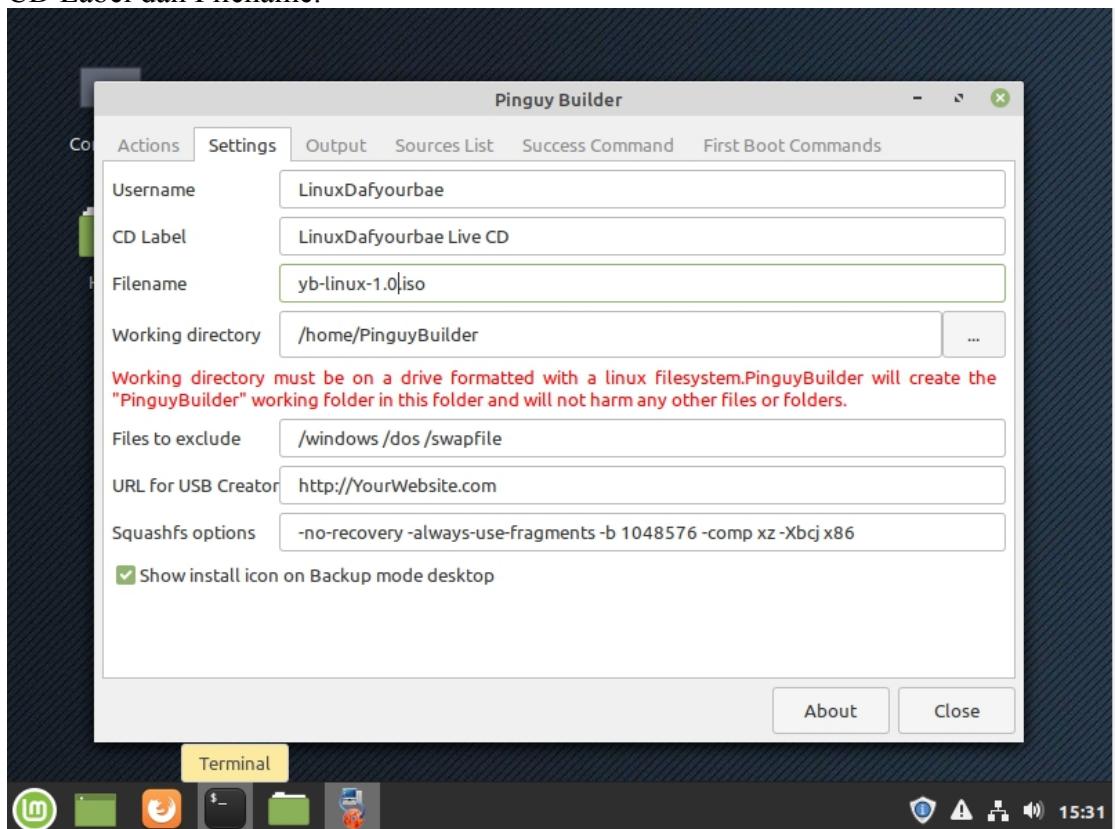


```
issue.net (/etc)
File Edit View Search Tools Documents Help
+ 🖨 🗃 | ⏪ ⏵ | ✎ 🗑 | 🔍 🔍
Elevated Privileges
issue.net x
Linux Daffa Putra Alwansyah L200190031
```

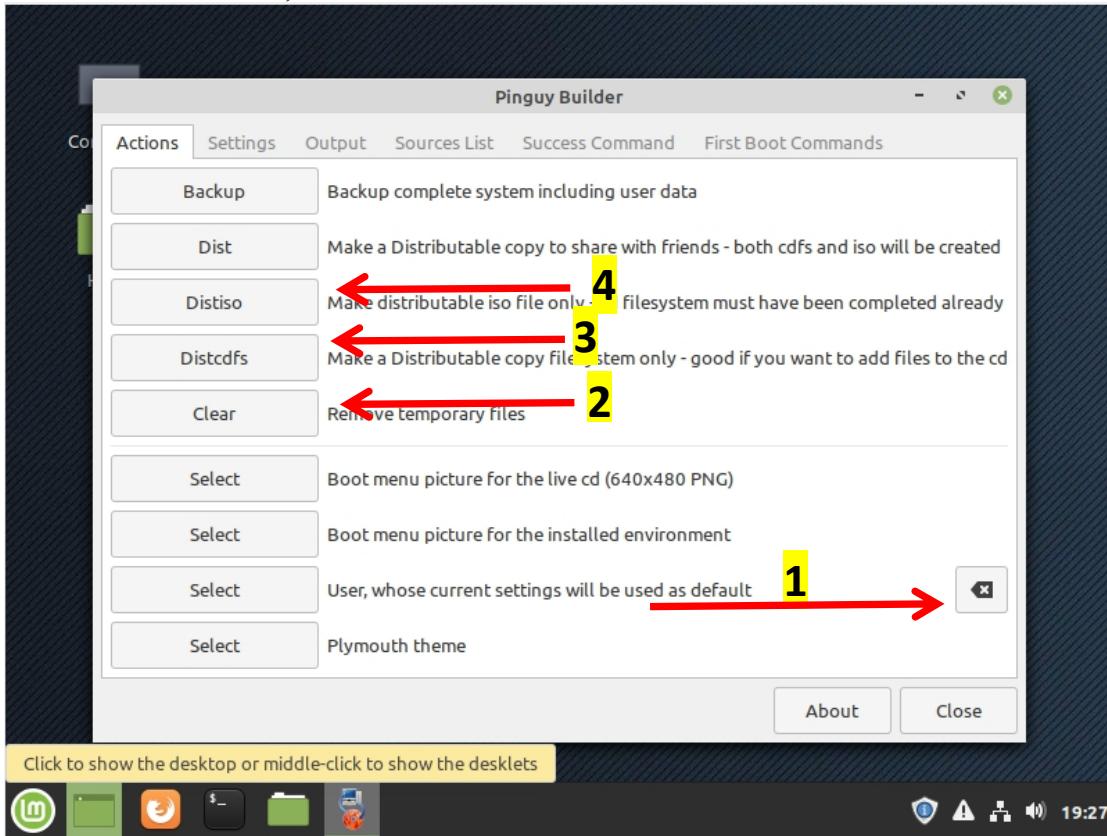
17. Install pinguybuilder.



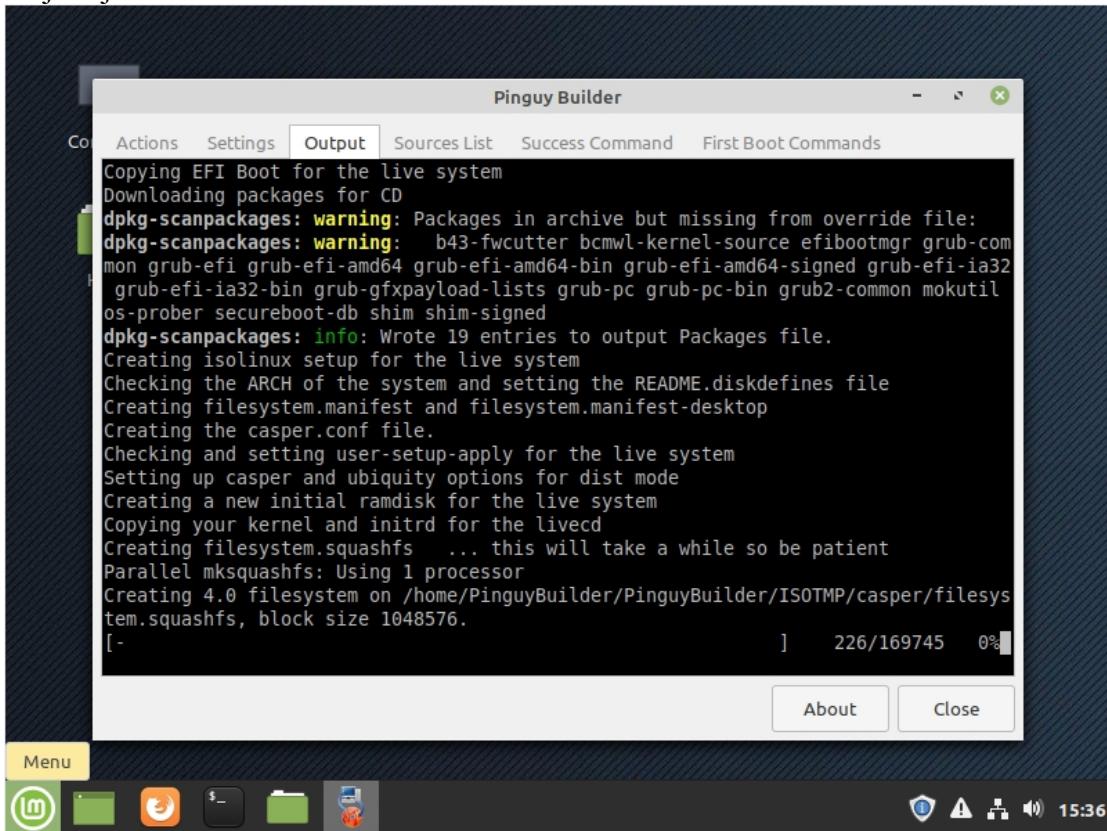
18. Masuk ke “Settings” lalu edit sesuai keinginan. Saya hanya mengganti Username, CD Label dan Filename.

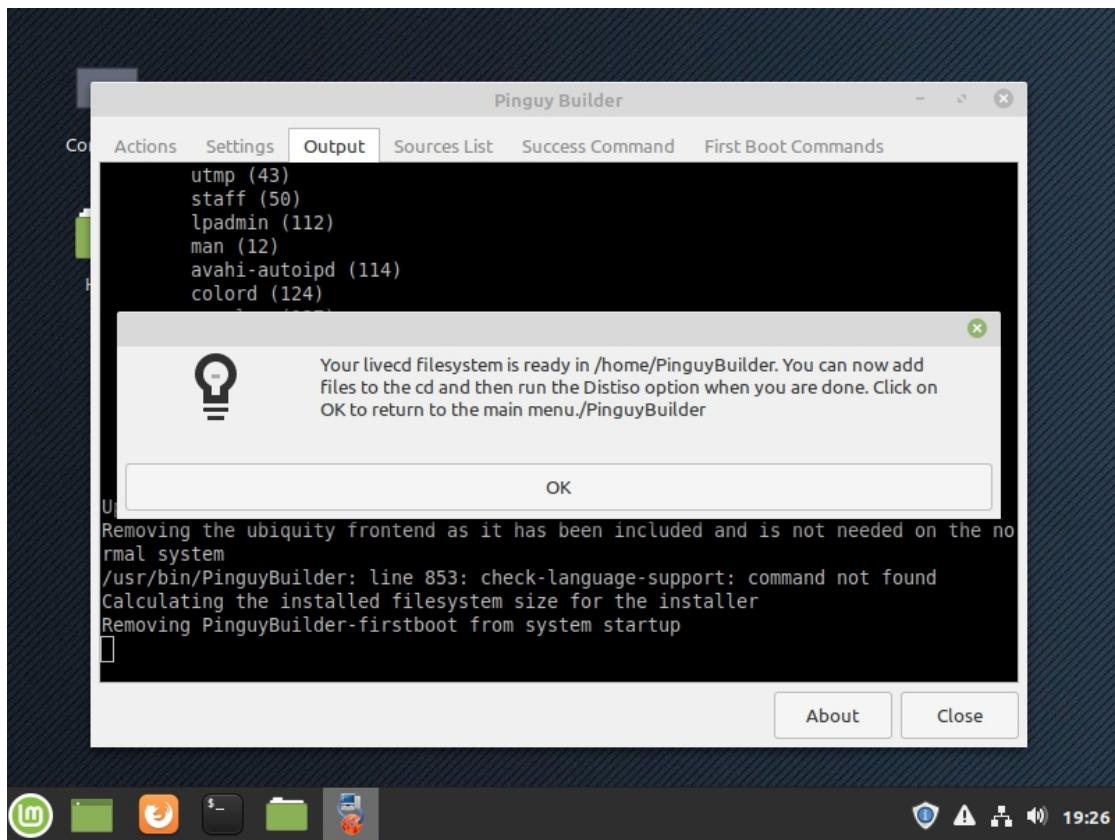


19. Masuk ke Actions, lalu :

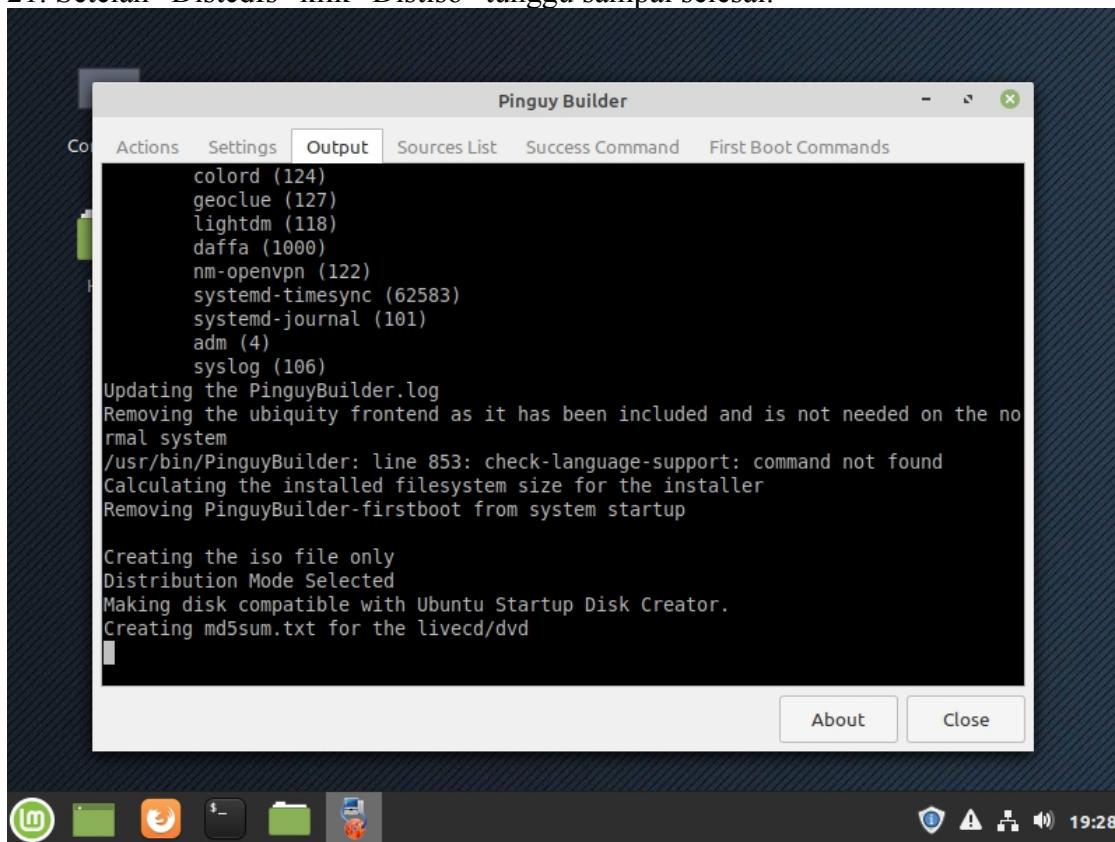


20. Tunggu sampai selesaikan setelah klik “Distcdfs”. Proses agak memakan waktu berjam-jam.





21. Setelah “Distcdfs” klik “Distiso” tunggu sampai selesai.



22. Setelah proses mengubah ke iso, cek apakah sudah menjadi iso dengan pergi ke File System > home > PinguyBuilder > PinguyBuilder dan hasilnya seperti gambar dibawah.

