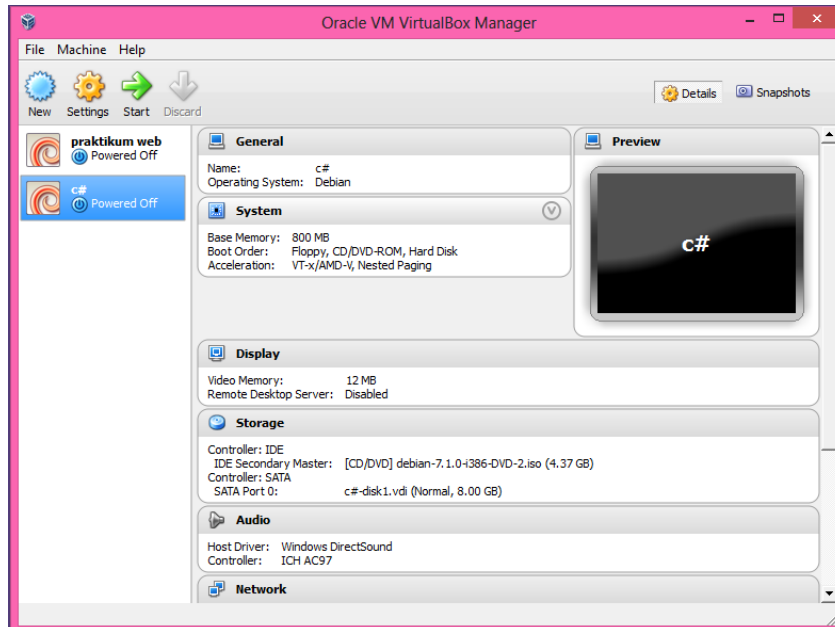


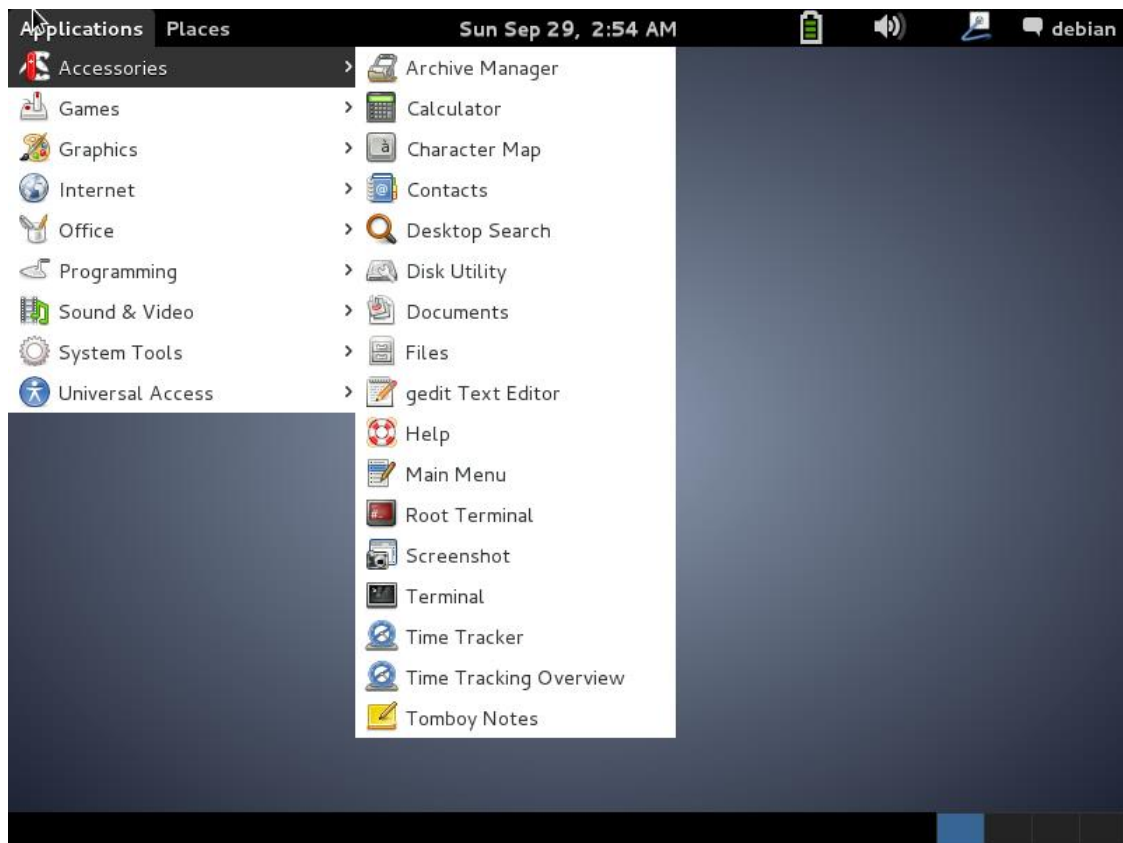
CONTOH PENGGUNAAN GITHUB

Studi Kasus Upload Data ke Repository – Dany Purno Yuwono

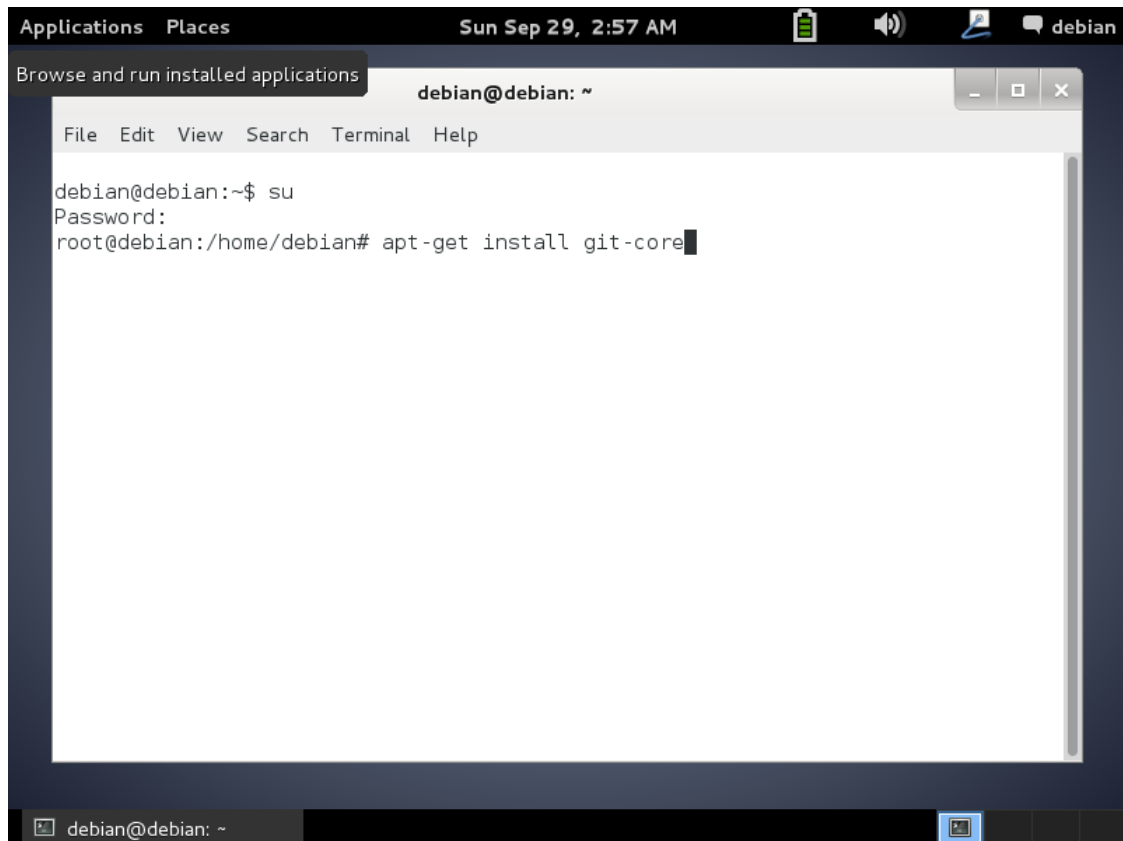
1. Mulai / Start Debian pada Virtual Box



2. Buka Terminal dengan cara Klik **Appilcation** → **Accessories** → **Terminal**



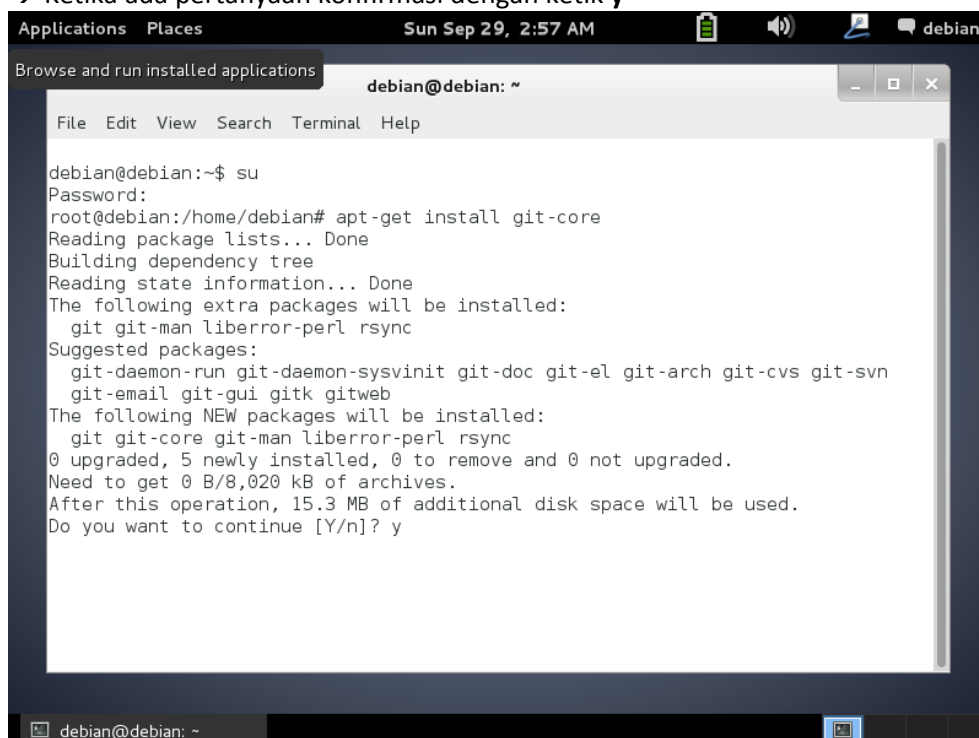
3. → Login sebagai **root** dengan cara ketik **su** dilanjutkan tekan **enter**,
→ Masukkan password **root** anda lalu tekan enter (loh kog waktu ngetik password kog tidak kelihatan? Memang tidak kelihatan seperti itu),
→ Install **git** dengan cara ketik **apt-get install git-core**



```
Applications  Places  Sun Sep 29, 2:57 AM  debian
Browse and run installed applications  debian@debian: ~
File Edit View Search Terminal Help

debian@debian:~$ su
Password:
root@debian:/home/debian# apt-get install git-core
```

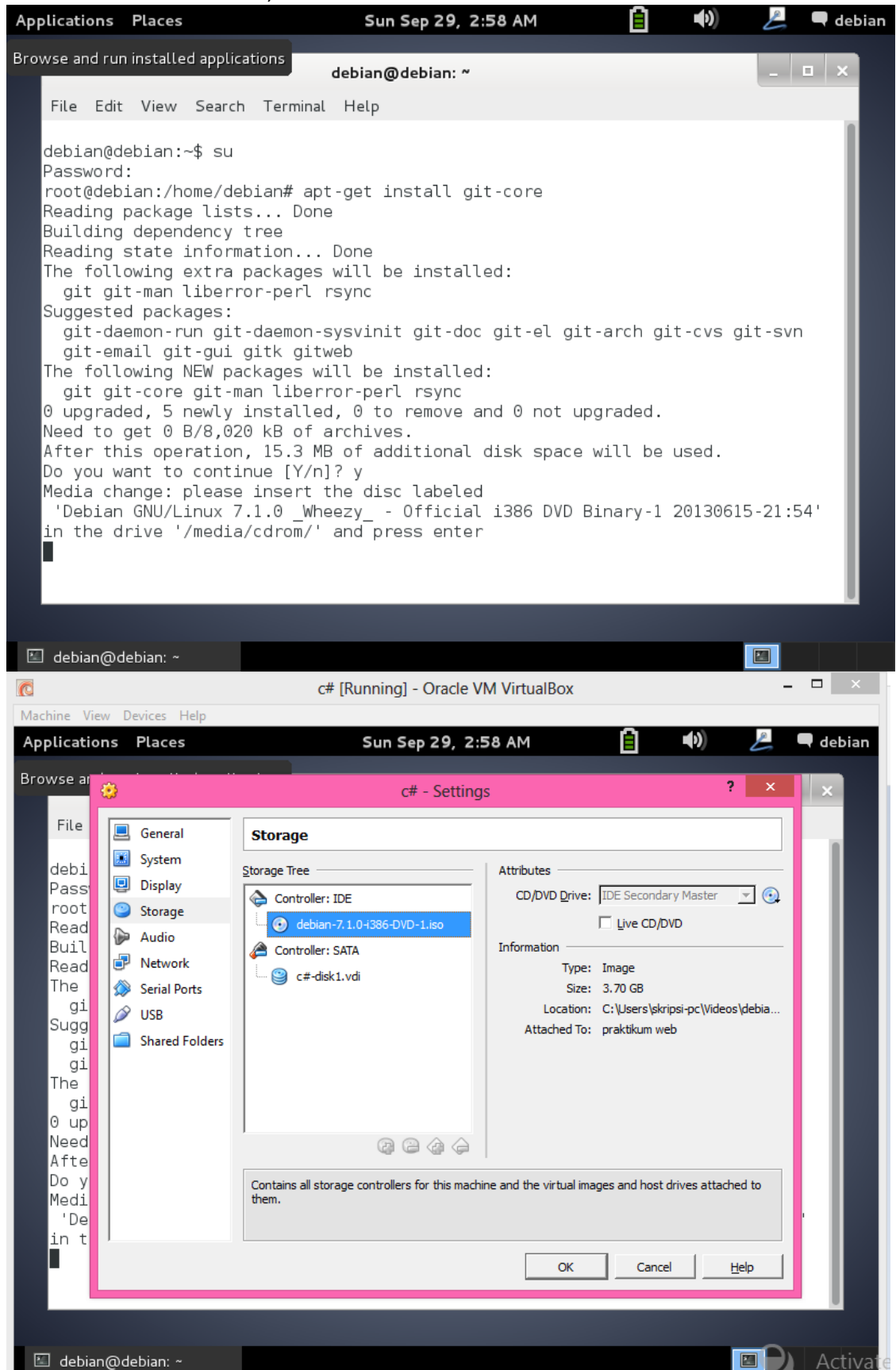
→ Ketika ada pertanyaan konfirmasi dengan ketik **y**



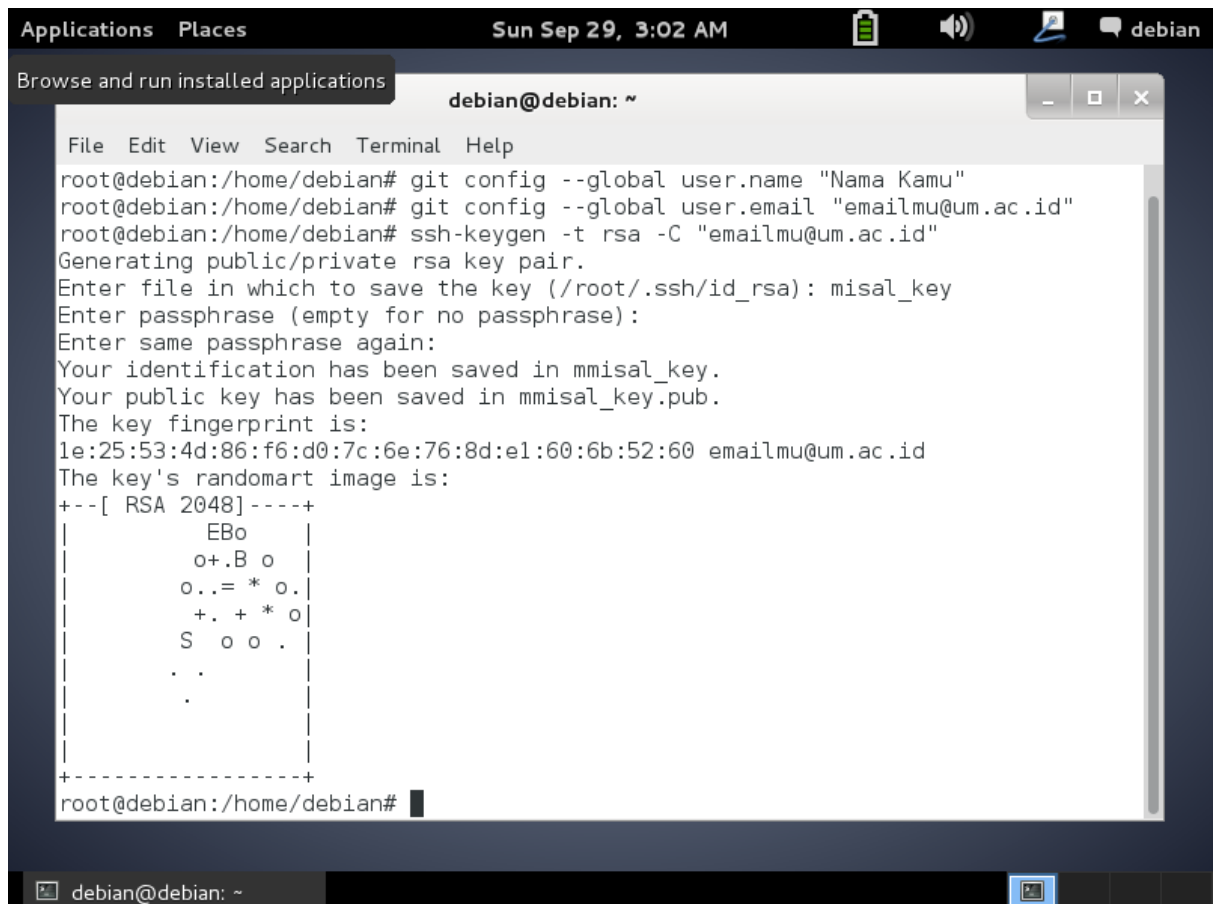
```
Applications  Places  Sun Sep 29, 2:57 AM  debian
Browse and run installed applications  debian@debian: ~
File Edit View Search Terminal Help

debian@debian:~$ su
Password:
root@debian:/home/debian# apt-get install git-core
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  git git-man liberror-perl rsync
Suggested packages:
  git-daemon-run git-daemon-sysvinit git-doc git-el git-arch git-cvs git-svn
  git-email git-gui gitk gitweb
The following NEW packages will be installed:
  git git-core git-man liberror-perl rsync
0 upgraded, 5 newly installed, 0 to remove and 0 not upgraded.
Need to get 0 B/8,020 kB of archives.
After this operation, 15.3 MB of additional disk space will be used.
Do you want to continue [Y/n]? y
```

→ Masukkan DVD 1 debian, lalu tekan enter



4. Langkah penting setelah install git adalah konfigurasi git itu sendiri,
 - `git config --global user.name "Nama Kamu"`
 - `git config --global user.email "emailmu@um.ac.id"`
 - `ssh-keygen -t rsa -C "emailmu@um.ac.id"`
 - Ketika disuruh menyimpan file, masukkan nama file misalnya : **misal_key**
 - Ketika memasukkan **passphrase** kosongkan saja lalu tekan enter



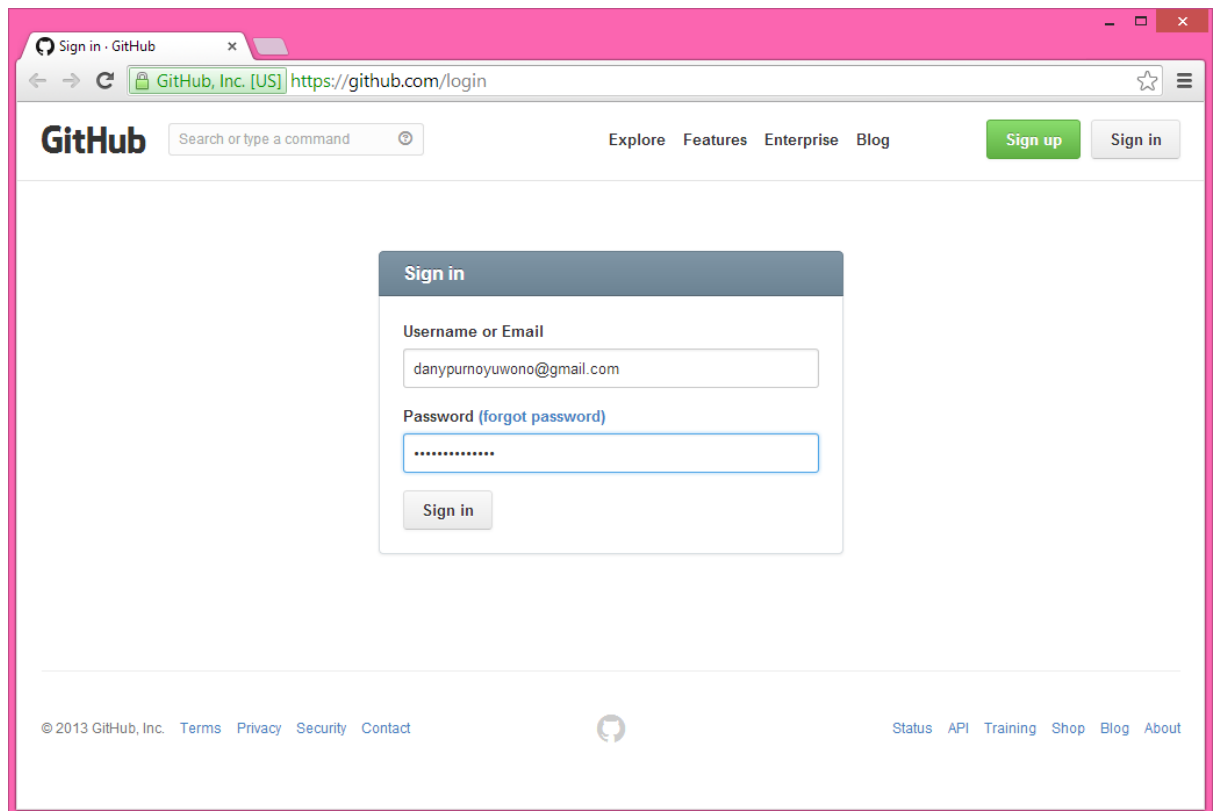
```

Applications  Places  Sun Sep 29, 3:02 AM  [Battery Icon] [Volume Icon] [Network Icon] [Debian Logo]
Browse and run installed applications  debian@debian: ~
File Edit View Search Terminal Help
root@debian:/home/debian# git config --global user.name "Nama Kamu"
root@debian:/home/debian# git config --global user.email "emailmu@um.ac.id"
root@debian:/home/debian# ssh-keygen -t rsa -C "emailmu@um.ac.id"
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa): misal_key
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in mmisal_key.
Your public key has been saved in mmisal_key.pub.
The key fingerprint is:
1e:25:53:4d:86:f6:d0:7c:6e:76:8d:e1:60:6b:52:60 emailmu@um.ac.id
The key's randomart image is:
+--[ RSA 2048 ]-----+
|           EBo       |
|        o+.B o      |
|       o..= * o.     |
|      +. + * o       |
|     S  o o .        |
|      . .            |
|       .             |
|-----+-----+
root@debian:/home/debian#

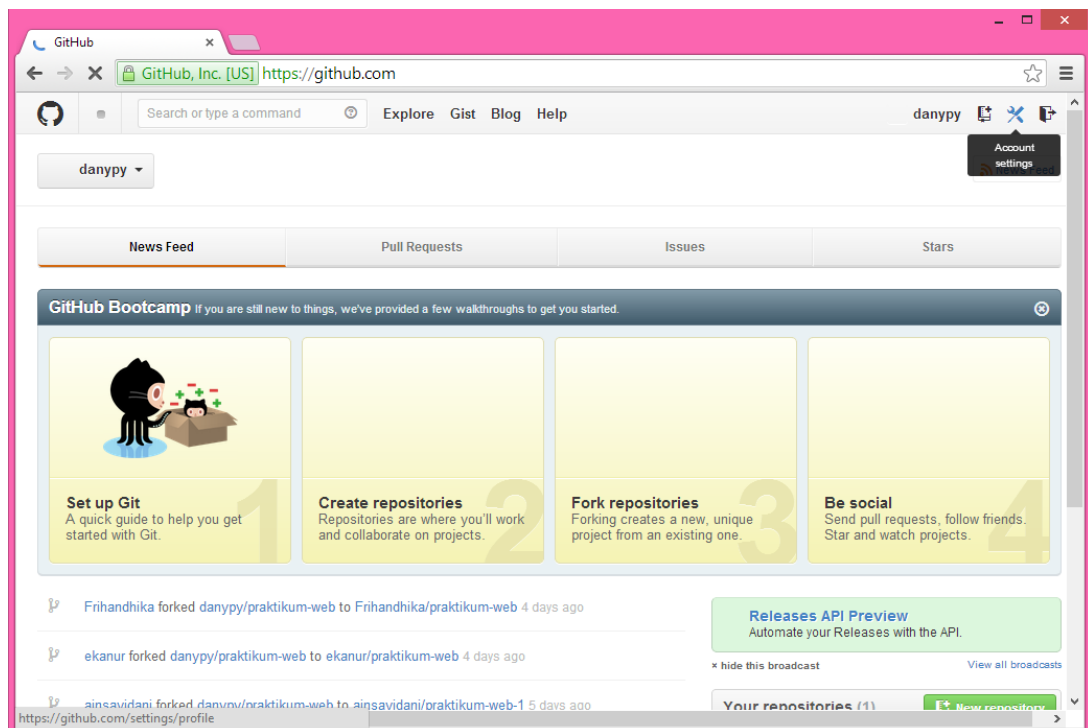
```

Lihat bawah

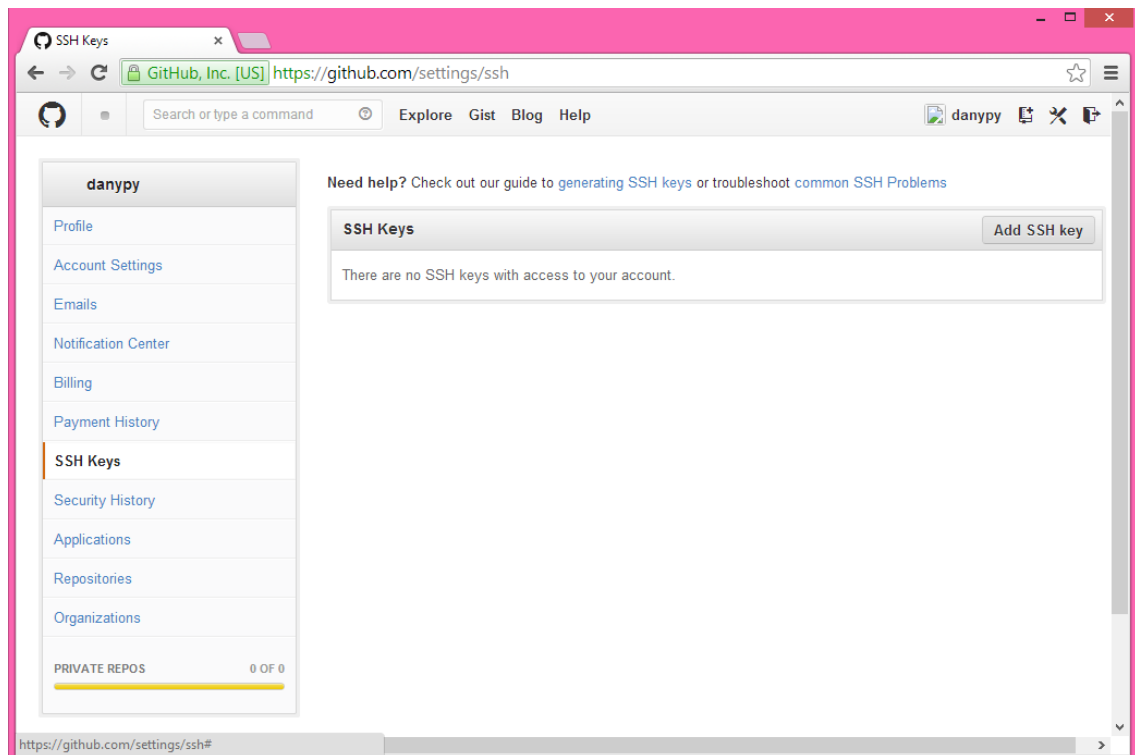
5. Login github.com



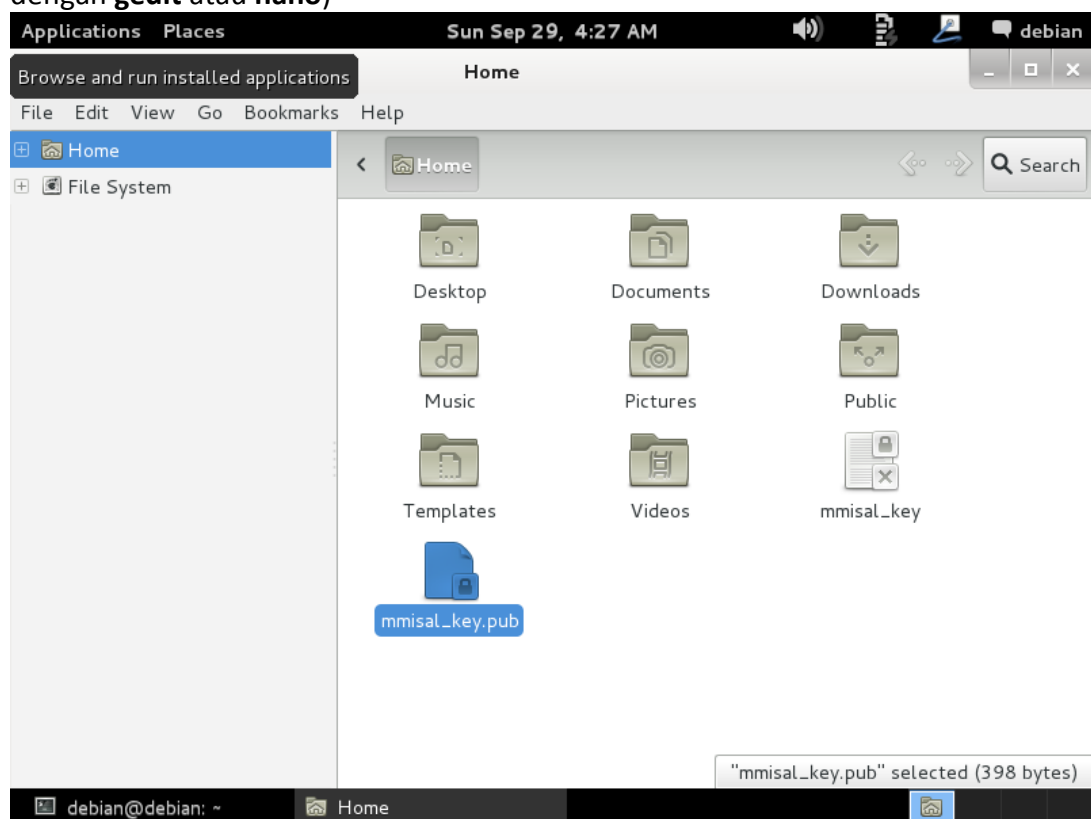
6. Klik Account Setting



7. Pilih SSK Keys

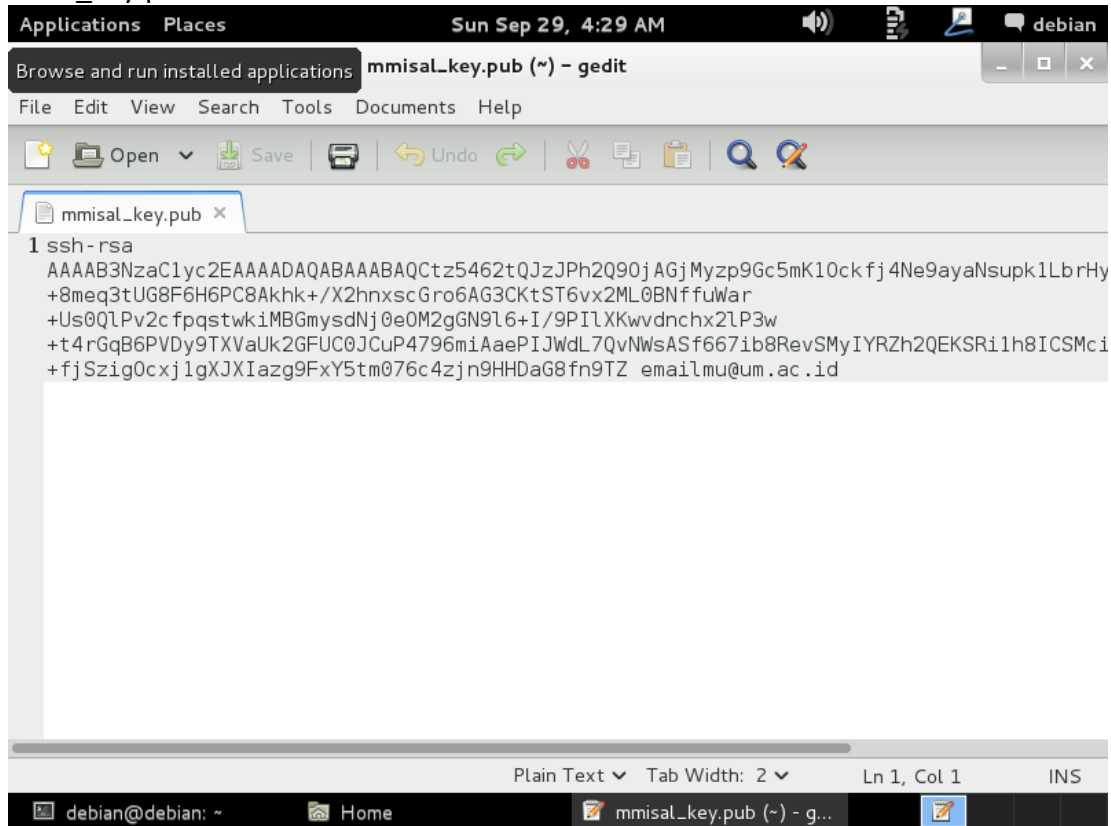


8. Masukkan Key SSH (Lihat file key git yang telah kita buat tadi **misal_key.pub**, buka dengan **gedit** atau **nano**)



→ Copykan isi file ke dalam ssh key github

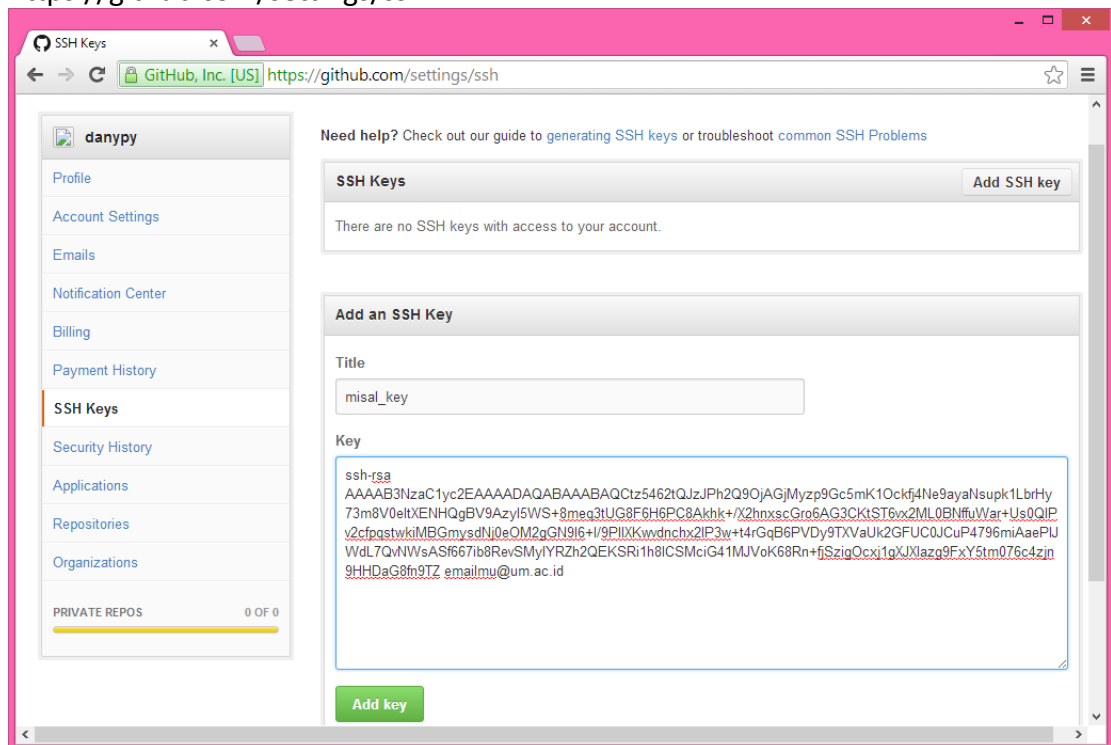
misal_key.pub



```

1 ssh-rsa
  AAAAB3NzaC1yc2EAAAADAQABAAQCTz5462tQJzJPh2Q90jAGjMyzp9Gc5mK10ckfj4Ne9ayaNsupk1LbrHy
  +8meq3tUG8F6H6PC8Akhk+/X2hnxcGro6AG3CKtST6vx2ML0BNffuWar
  +Us0QLPv2c fpgstwiMBGmysdNj0e0M2gGN9l6+I/9PIIXKwvndchx2lP3w
  +t4rGqB6PVDy9TXVaUk2GFUC0JCUP4796miAaePIJWdL7QvNwsASf667ib8RevSMYIYZh2QEKSRIh8ICSMci
  +fjSzig0cxj1gXJXIazg9FXY5tm076c4zjn9HHDaG8fn9TZ_emailmu@um.ac.id
  
```

<https://github.com/settings/ssh>



SSH Keys

Need help? Check out our guide to [generating SSH keys](#) or troubleshoot [common SSH Problems](#)

SSH Keys Add SSH key

There are no SSH keys with access to your account.

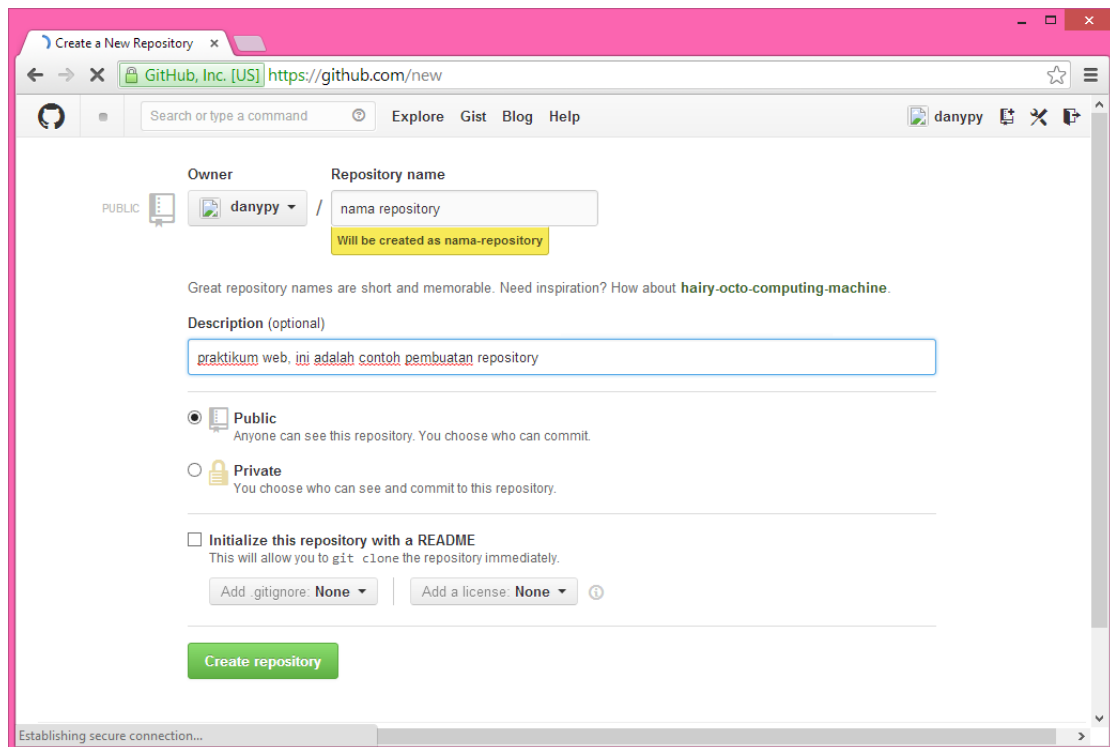
Add an SSH Key

Title
misal_key

Key
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQCTz5462tQJzJPh2Q90jAGjMyzp9Gc5mK10ckfj4Ne9ayaNsupk1LbrHy
73m8V0eltXENHQgBV9AzyI5WS+8meq3tUG8F6H6PC8Akhk+/X2hnxcGro6AG3CKtST6vx2ML0BNffuWar+Us0QlP
v2c fpgstwiMBGmysdNj0e0M2gGN9l6+I/9PIIXKwvndchx2lP3w+t4rGqB6PVDy9TXVaUk2GFUC0JCUP4796miAaePIJ
WdL7QvNwsASf667ib8RevSMYIYZh2QEKSRIh8ICSMciG41MJVoK68Rn+fjSzig0cxj1gXJXIazg9FXY5tm076c4zjn
9HHDaG8fn9TZ_emailmu@um.ac.id

Add key

9. Buat repository dengan klik **new repository** pada pojok kanan atas, masukkan data seperti gambar (untuk nama repository untuk pengumpulan laporan dan source code → **praktikum web**)



Create a New Repository

GitHub, Inc. [US] | <https://github.com/new>

Search or type a command

Explore Gist Blog Help

danypy

Owner: danypy / Repository name: nama repository

Will be created as nama-repository

Great repository names are short and memorable. Need inspiration? How about hairy-octo-computing-machine.

Description (optional): praktikum web, ini adalah contoh pembuatan repository

☒ Public: Anyone can see this repository. You choose who can commit.

☐ Private: You choose who can see and commit to this repository.

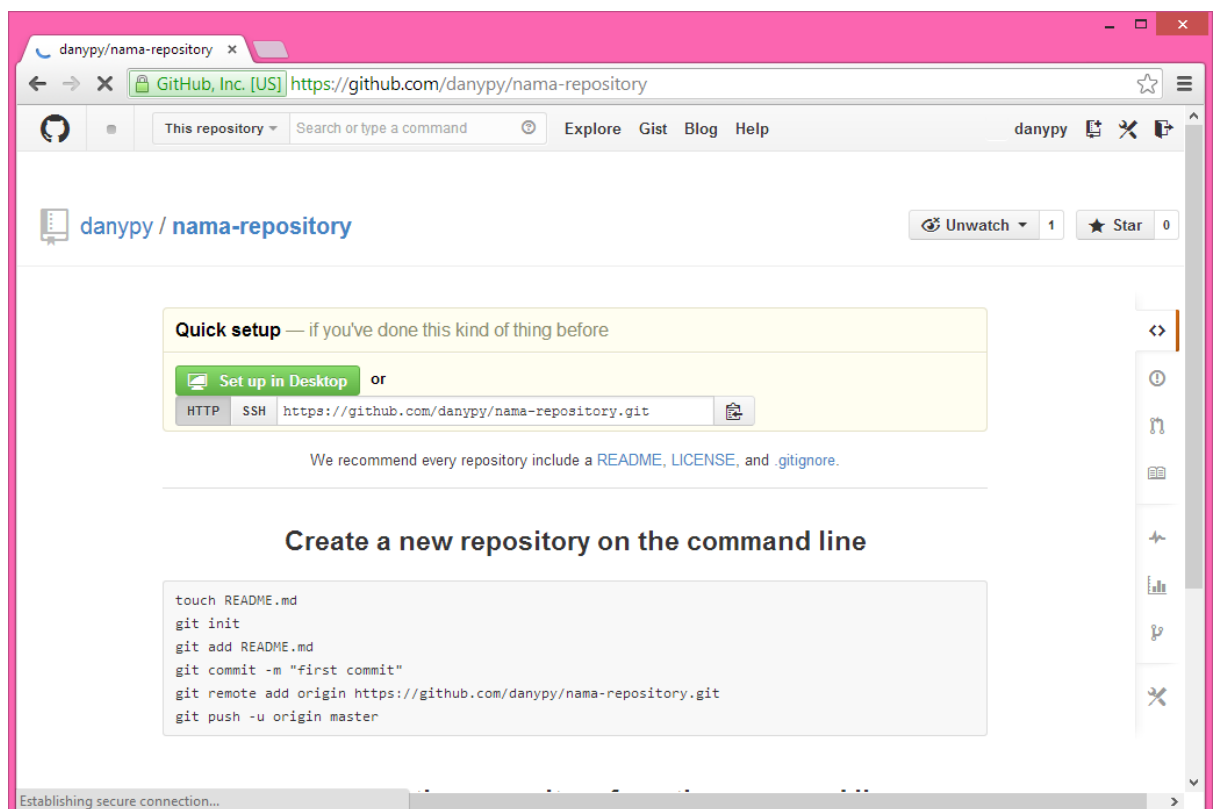
☐ Initialize this repository with a README: This will allow you to git clone the repository immediately.

Add .gitignore: None Add a license: None

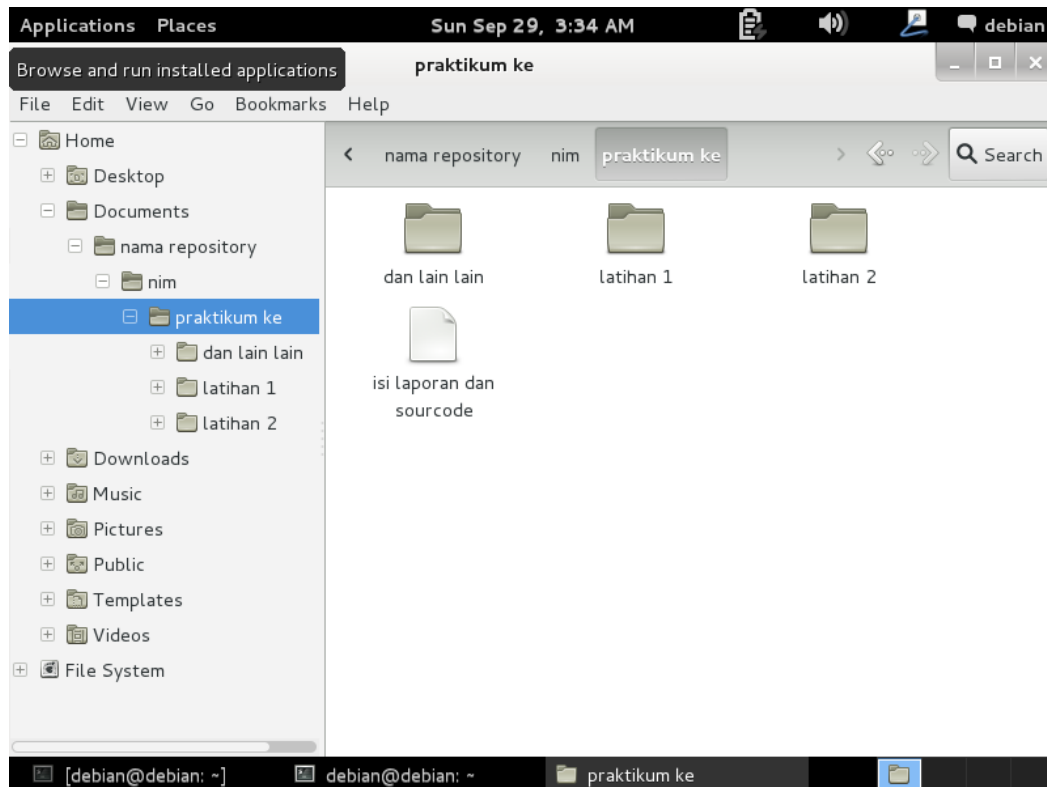
Create repository

Establishing secure connection...

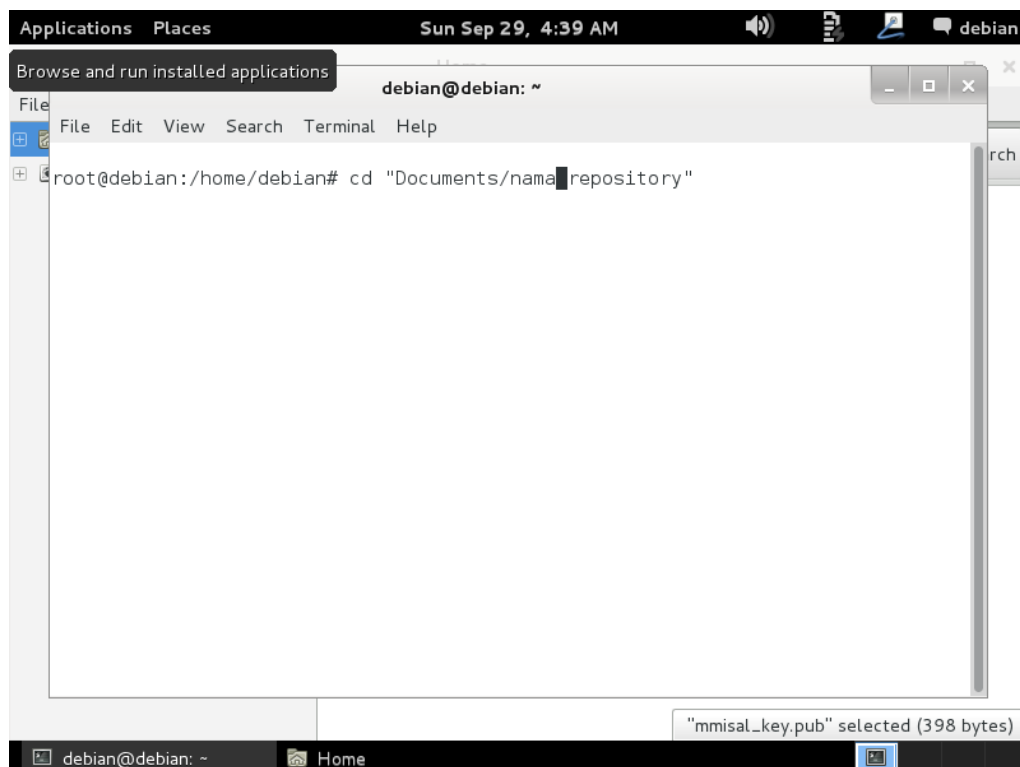
Apabila telah selesai akan seperti gambar berikut:



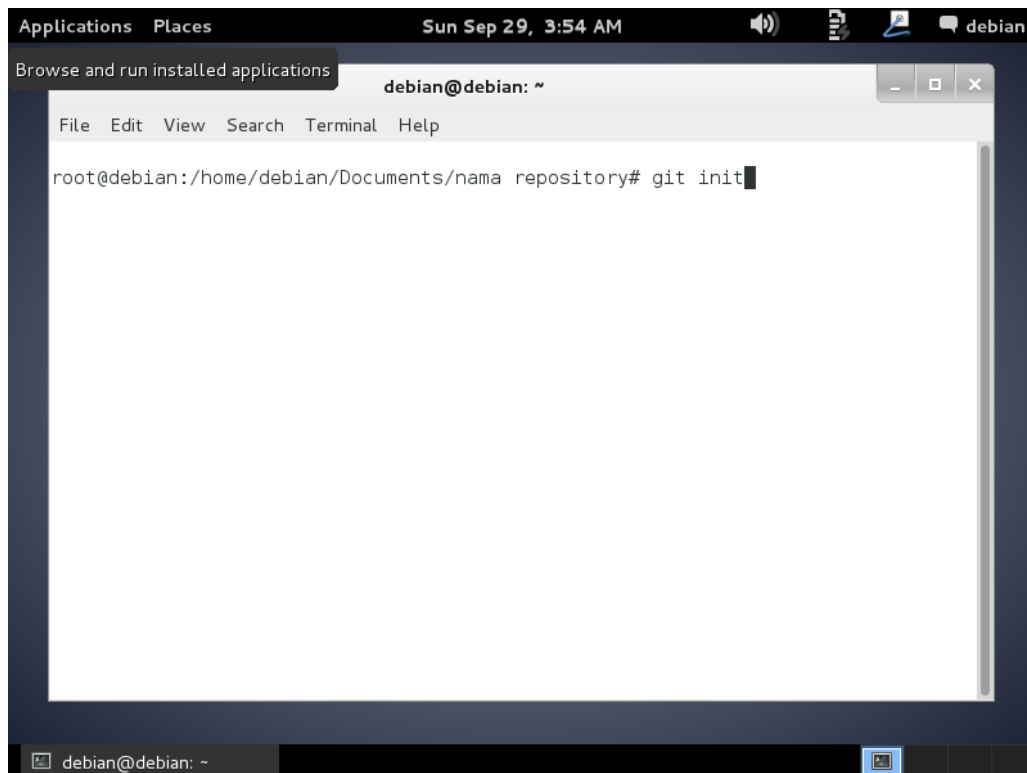
10. Buat folder sesuai dengan nama repository, lalu simpan laporan dan source code di dalam sini, contohnya:



Buka **terminal** lagi dan masuk ke dalam folder yang namanya sesuai dengan nama repository (ketik : **cd lokasi_folder**)



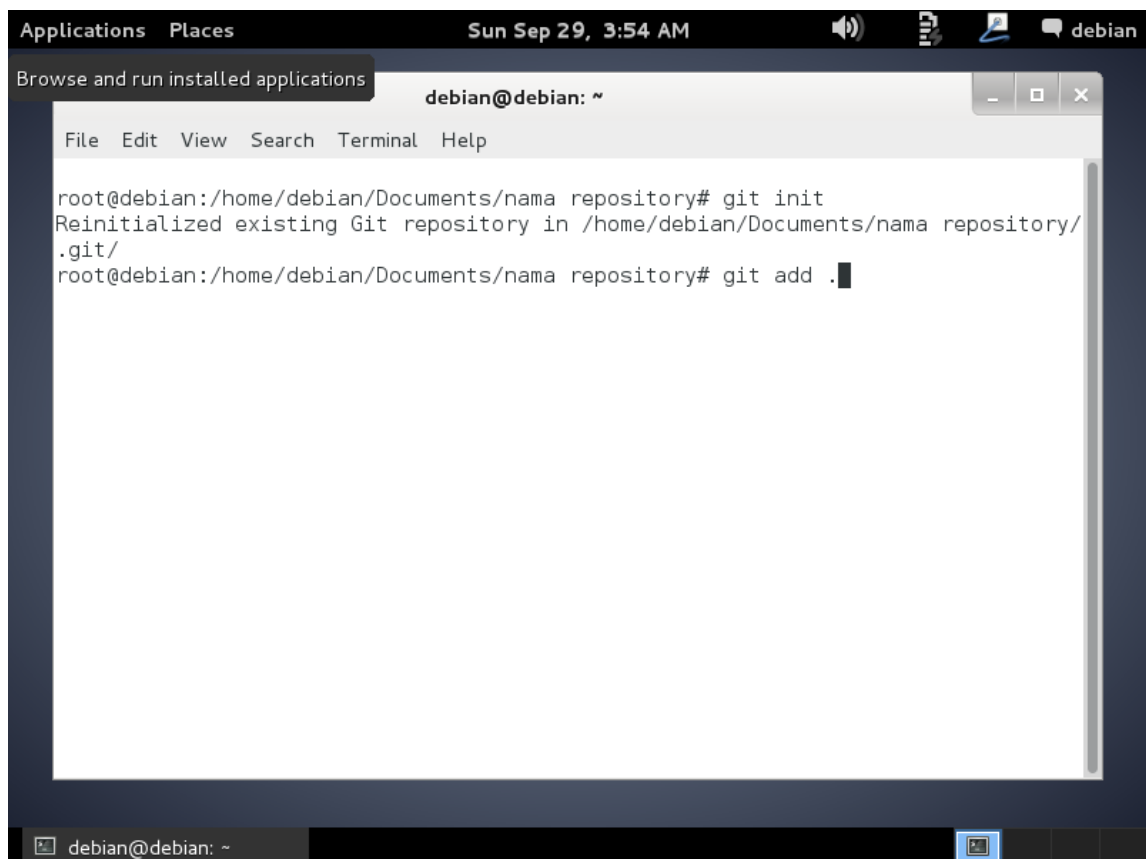
11. Inisialisasi folder dengan ketik **git init** lalu enter



The screenshot shows a terminal window titled "debian@debian: ~" with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal output shows the command `git init` being executed in the directory `/home/debian/Documents/nama repository`. The window is part of a desktop environment with a top bar showing "Applications", "Places", and the date/time "Sun Sep 29, 3:54 AM".

```
root@debian:/home/debian/Documents/nama repository# git init
```

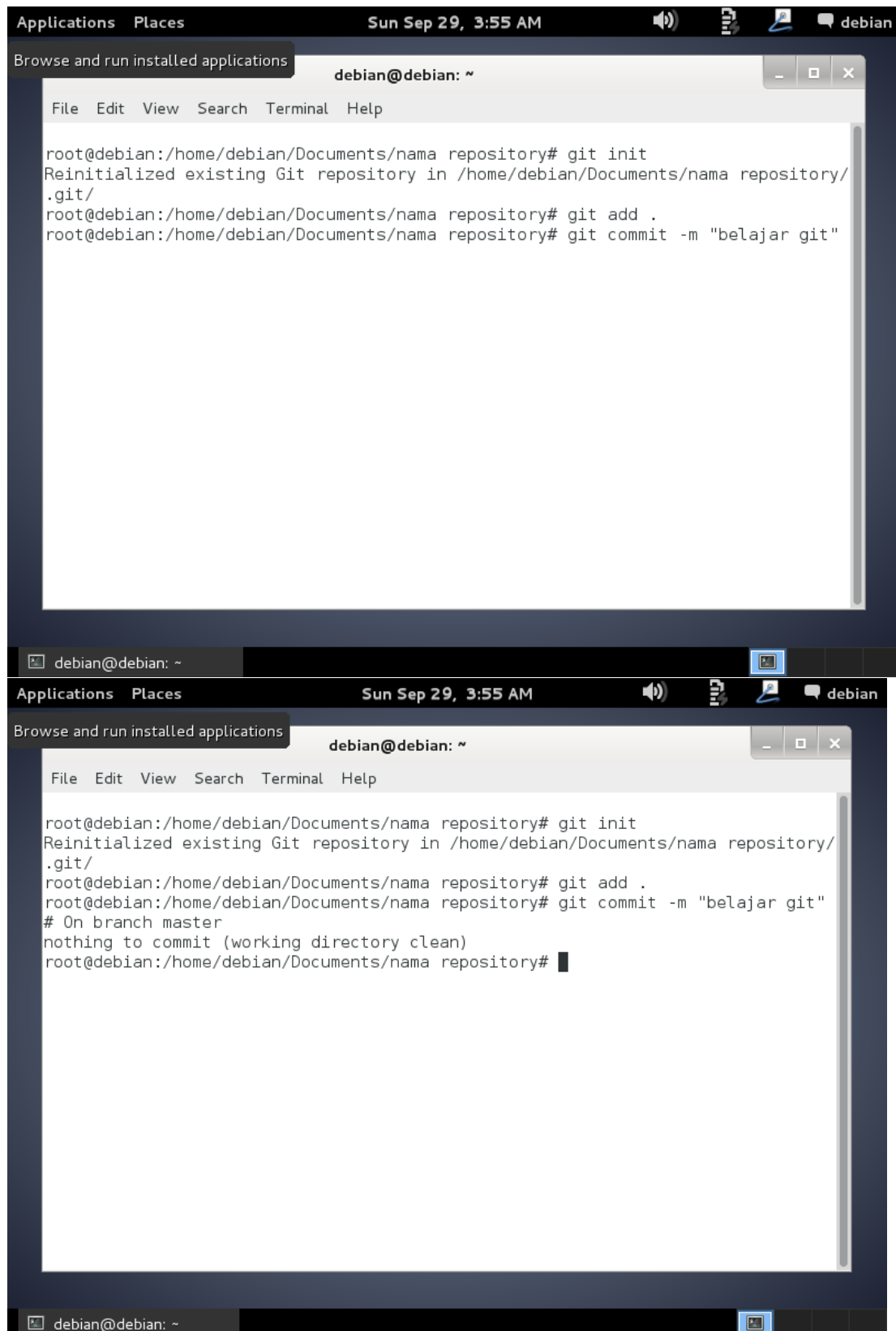
12. Tambahkan file dengan ketik **git add .** (titik) lalu enter



The screenshot shows a terminal window titled "debian@debian: ~" with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal output shows the command `git add .` being executed in the directory `/home/debian/Documents/nama repository`. The window is part of a desktop environment with a top bar showing "Applications", "Places", and the date/time "Sun Sep 29, 3:54 AM".

```
root@debian:/home/debian/Documents/nama repository# git init
Reinitialized existing Git repository in /home/debian/Documents/nama repository/.git/
root@debian:/home/debian/Documents/nama repository# git add .
```

13. Commit dengan mencantumkan deskripsi perubahan **git commit -m "deskripsi"**



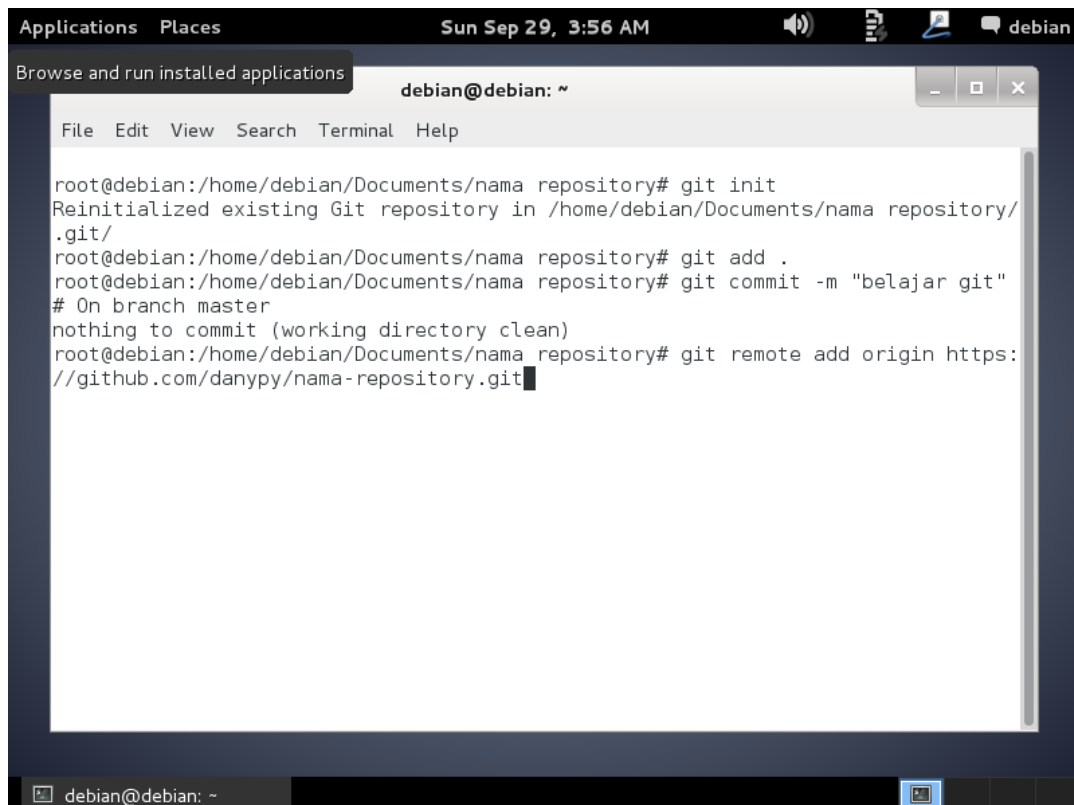
The image shows two screenshots of a terminal window on a Debian system. The terminal window has a title bar with 'Applications', 'Places', and 'Sun Sep 29, 3:55 AM'. The window title is 'debian@debian: ~'. The terminal output shows the following commands and their results:

```
root@debian:/home/debian/Documents/nama repository# git init
Reinitialized existing Git repository in /home/debian/Documents/nama repository/.git/
root@debian:/home/debian/Documents/nama repository# git add .
root@debian:/home/debian/Documents/nama repository# git commit -m "belajar git"
```

The second screenshot shows the same terminal window with the same commands, but with additional output for the commit command:

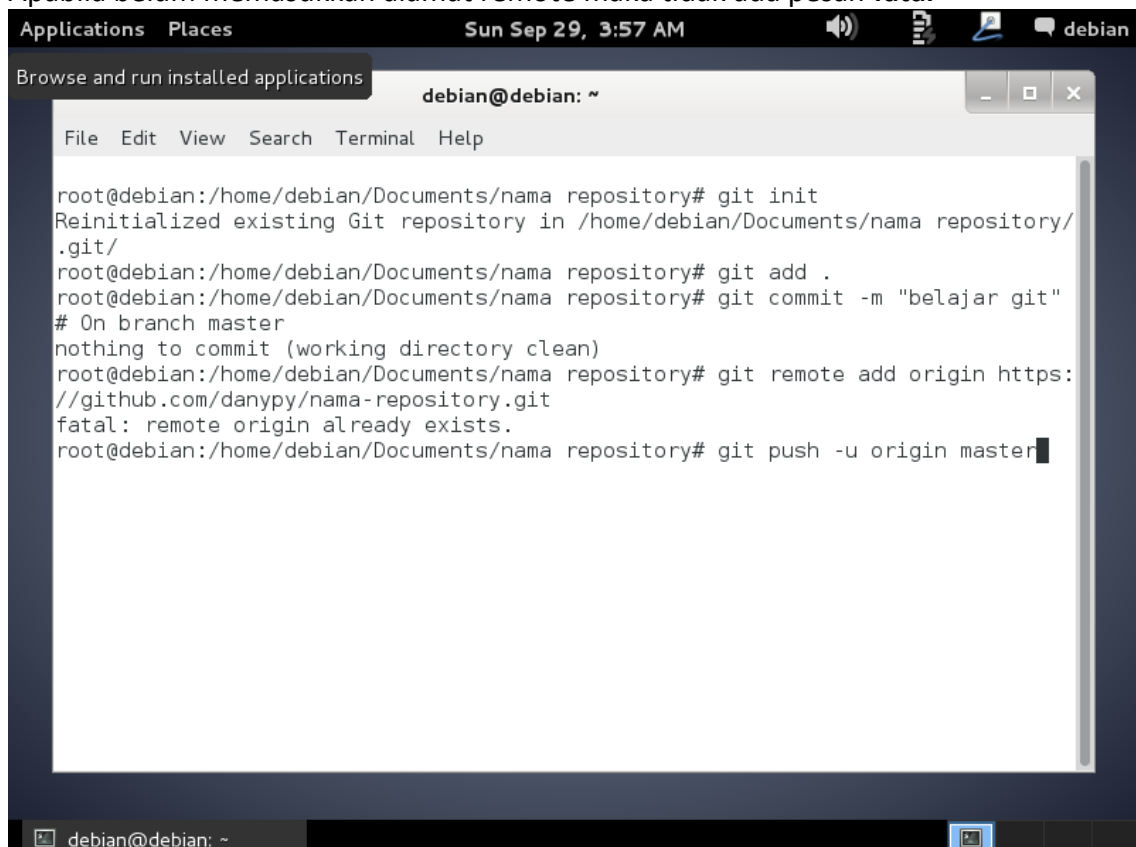
```
root@debian:/home/debian/Documents/nama repository# git init
Reinitialized existing Git repository in /home/debian/Documents/nama repository/.git/
root@debian:/home/debian/Documents/nama repository# git add .
root@debian:/home/debian/Documents/nama repository# git commit -m "belajar git"
# On branch master
nothing to commit (working directory clean)
root@debian:/home/debian/Documents/nama repository#
```

14. Tambahkan alamat remote yang didapatkan dari **github.com/nama-repository** pada kanan tangan pada kotak **clone URL**, lalu ketik **git remote add origin** **<https://github.com/biasanya username/nama repository.git>**

A terminal window titled 'debian@debian: ~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

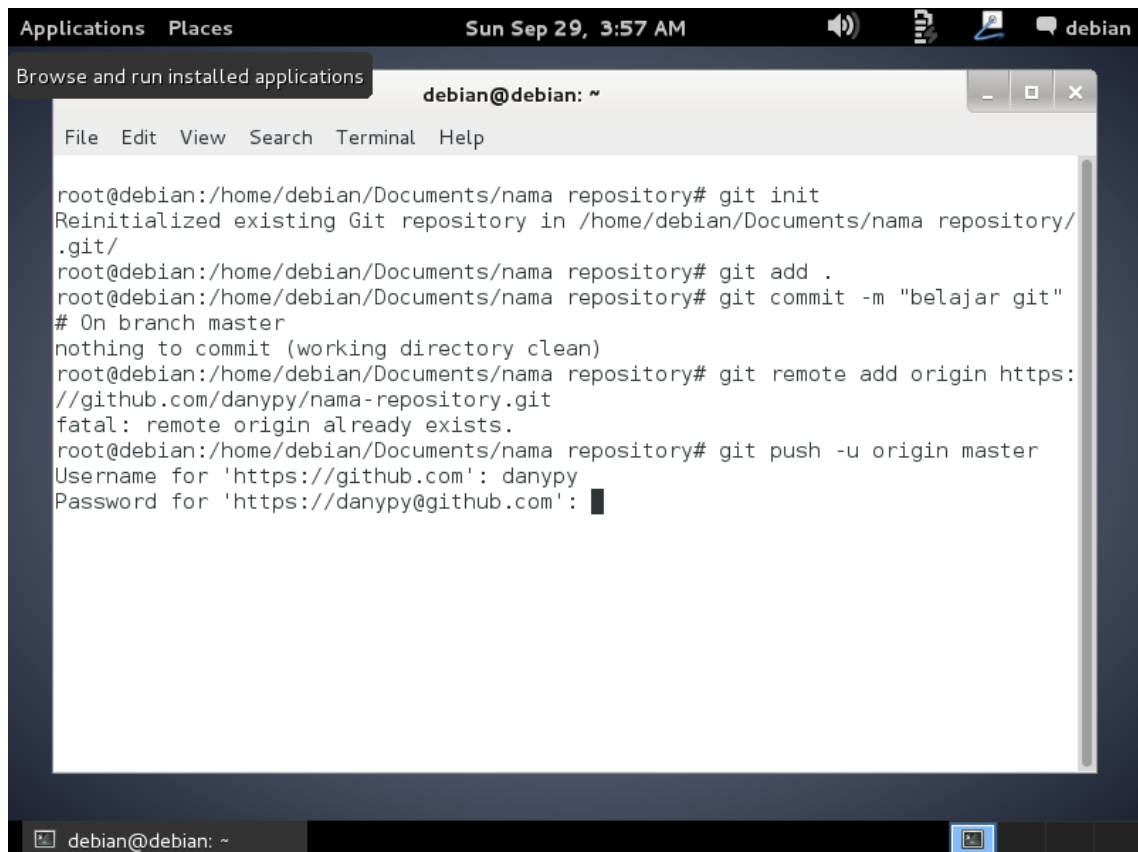
```
root@debian:/home/debian/Documents/nama repository# git init
Reinitialized existing Git repository in /home/debian/Documents/nama repository/.git/
root@debian:/home/debian/Documents/nama repository# git add .
root@debian:/home/debian/Documents/nama repository# git commit -m "belajar git"
# On branch master
nothing to commit (working directory clean)
root@debian:/home/debian/Documents/nama repository# git remote add origin https://github.com/danypy/nama-repository.git
```

Apabila belum memasukkan alamat remote maka tidak ada pesan **fatal**

A terminal window titled 'debian@debian: ~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

```
root@debian:/home/debian/Documents/nama repository# git init
Reinitialized existing Git repository in /home/debian/Documents/nama repository/.git/
root@debian:/home/debian/Documents/nama repository# git add .
root@debian:/home/debian/Documents/nama repository# git commit -m "belajar git"
# On branch master
nothing to commit (working directory clean)
root@debian:/home/debian/Documents/nama repository# git remote add origin https://github.com/danypy/nama-repository.git
fatal: remote origin already exists.
root@debian:/home/debian/Documents/nama repository# git push -u origin master
```

15. → Upload ke github dengan cara ketik **git push -u origin master**
 → Apabila berhasil kadang kita disuruh memasukkan username dan password kadang juga tidak

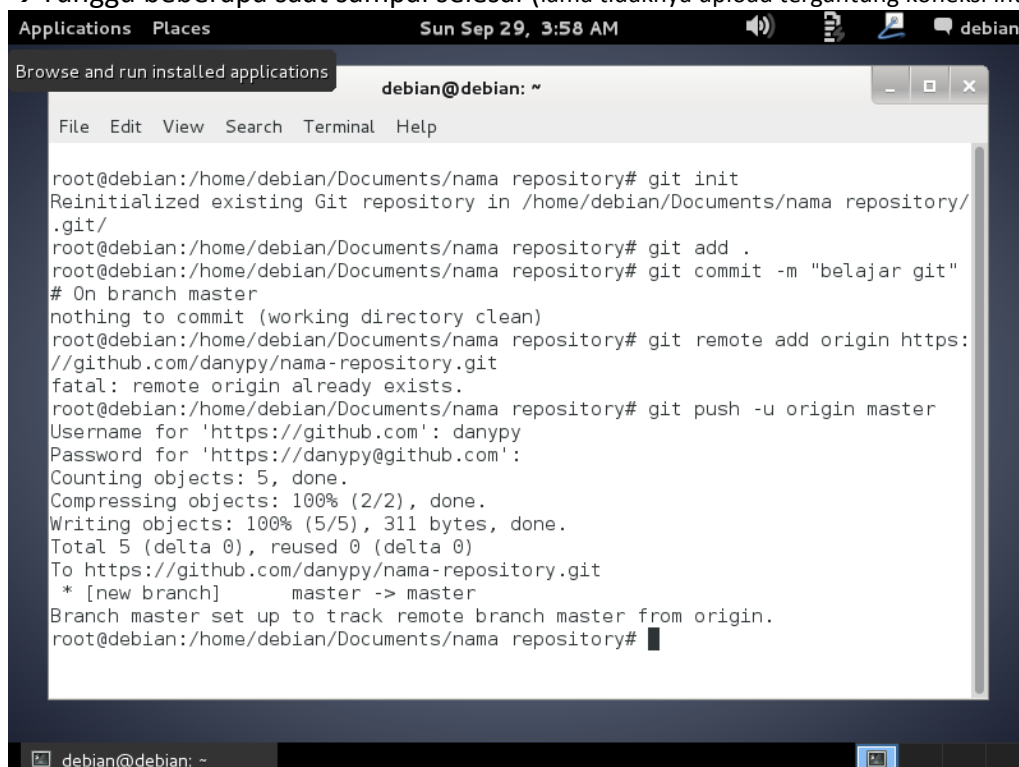


```

Applications  Places  Sun Sep 29, 3:57 AM  debian
Browse and run installed applications  debian@debian: ~
File Edit View Search Terminal Help

root@debian:/home/debian/Documents/nama repository# git init
Reinitialized existing Git repository in /home/debian/Documents/nama repository/.git/
root@debian:/home/debian/Documents/nama repository# git add .
root@debian:/home/debian/Documents/nama repository# git commit -m "belajar git"
# On branch master
nothing to commit (working directory clean)
root@debian:/home/debian/Documents/nama repository# git remote add origin https://github.com/danypy/nama-repository.git
fatal: remote origin already exists.
root@debian:/home/debian/Documents/nama repository# git push -u origin master
Username for 'https://github.com': danypy
Password for 'https://danypy@github.com': █
  
```

→Tunggu beberapa saat sampai selesai (lama tidaknya upload tergantung koneksi internet)



```

Applications  Places  Sun Sep 29, 3:58 AM  debian
Browse and run installed applications  debian@debian: ~
File Edit View Search Terminal Help

root@debian:/home/debian/Documents/nama repository# git init
Reinitialized existing Git repository in /home/debian/Documents/nama repository/.git/
root@debian:/home/debian/Documents/nama repository# git add .
root@debian:/home/debian/Documents/nama repository# git commit -m "belajar git"
# On branch master
nothing to commit (working directory clean)
root@debian:/home/debian/Documents/nama repository# git remote add origin https://github.com/danypy/nama-repository.git
fatal: remote origin already exists.
root@debian:/home/debian/Documents/nama repository# git push -u origin master
Username for 'https://github.com': danypy
Password for 'https://danypy@github.com': █
Counting objects: 5, done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (5/5), 311 bytes, done.
Total 5 (delta 0), reused 0 (delta 0)
To https://github.com/danypy/nama-repository.git
 * [new branch]      master -> master
Branch master set up to track remote branch master from origin.
root@debian:/home/debian/Documents/nama repository# █
  
```

APABILA TELAH SELESAI ANDA AKAN MENDAPATKAN PERUBAHAN PADA REPOSITORY GITHUB ANDA

