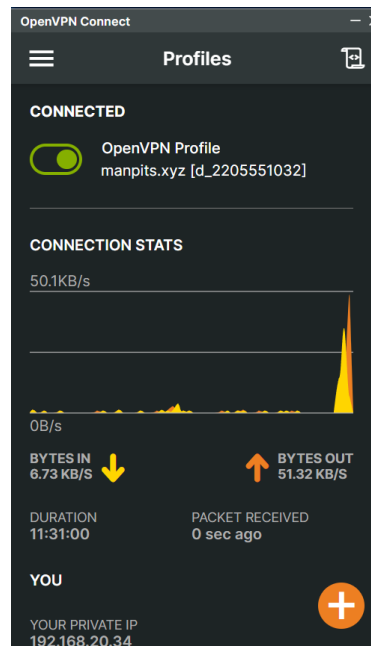


Nama : I Putu Gede Surya Pratama

NIM : 2205551032

Pemrograman Internet (D)

1. Mengakses VPN (Virtual Private Network) ke Server



Dalam mengakses VPN pada OpenVPN Client, maka pada setiap jaringan yang terkoneksi ke VE harus memiliki kredensial masing-masing yang didownload pada format http://manpits.xyz:1200/d_XXXXXXXXX.ovpn, dimana d sebagai kelasnya dan xxxxxxxxxxxx sebagai NIM masing-masing Mahasiswa, setelah mendownload file tersebut, lakukan import dan lalu mencoba connect ke VPN, gambar di atas merupakan hasil yang dimana kita telah berhasil terkoneksi dengan VPN ke jaringan Virtual Server.

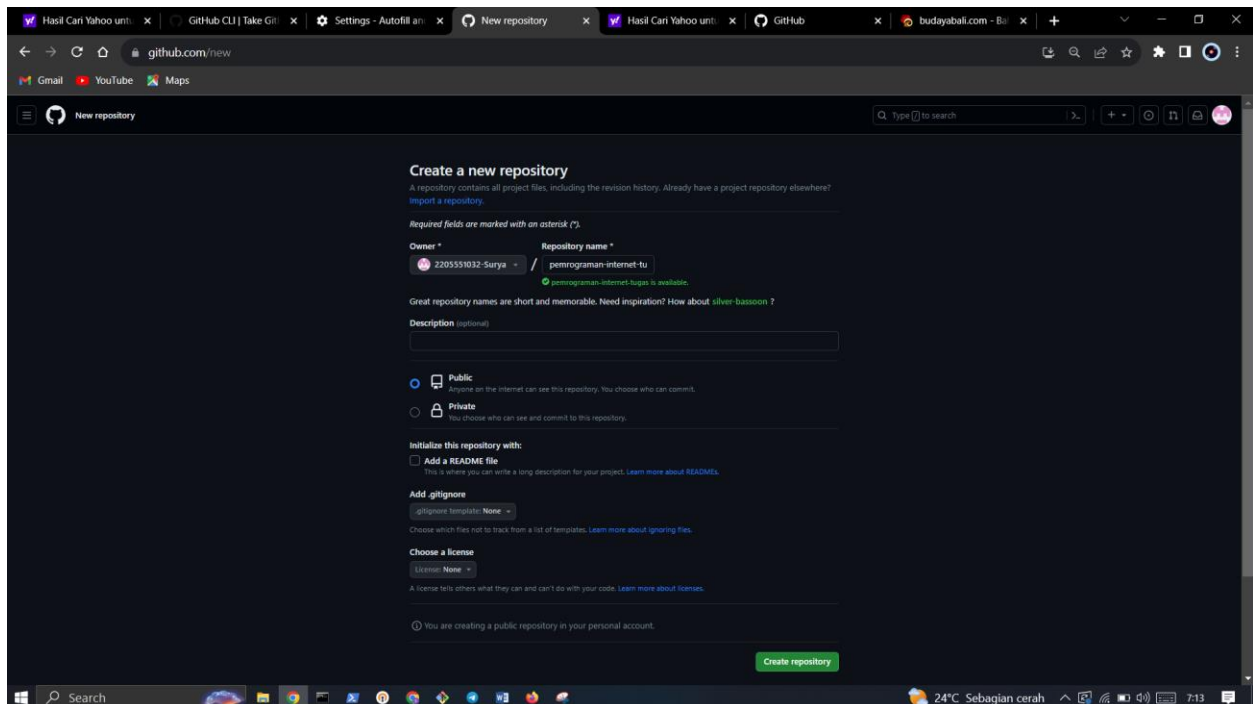
2. Mengakses SSH

Untuk mengakses SSH dapat melalui Git Bash atau Putty dengan melakukan login sesuai dengan username dan password yang sudah di set atau ditentukan dengan memasukan command `ssh d xxxxxxxxxxxx@prognet.localnet` atau `d 2205551032@prognet.localnet` dengan menggunakan NIM masing-masing, berikut ini tampilan jika ssh berhasil di akses

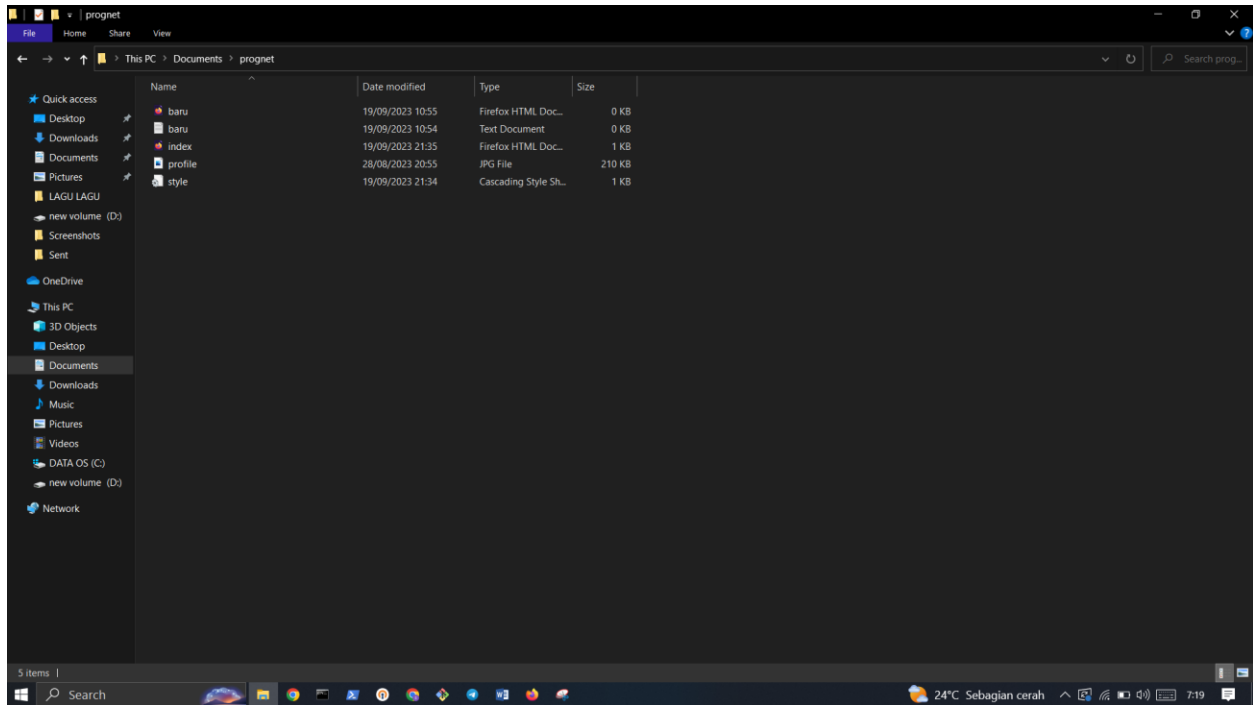
```
d_2205551032@PrognetsServer: ~  
surya@DESKTOP-Q837KLN MINGW64 ~  
$ ssh d_2205551032@prognets.localnet  
d_2205551032@prognets.localnet's password:  
Linux PrognetsServer 6.2.16-3-pve #1 SMP PREEMPT_DYNAMIC PVE 6.2.16-3 (2023-06-17  
T05:58Z) x86_64  
  
The programs included with the Debian GNU/Linux system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
Last login: Tue Sep 19 13:41:33 2023 from 192.168.4.3  
d_2205551032@PrognetsServer:~$ |
```

3. Mendeploy Aplikasi sederhana dari lokal komputer ke server

Langkah pertama dapat melakukan push dari lokal ke github ke server. Setelah itu kita membuat repository baru terlebih dahulu di akun githubnya.



Setelah membuat repository baru, siapkan folder atau file sederhana yang sudah dibuat untuk di push dari local ke github.



Gambaran di atas adalah folder atau file yang akan digunakan untuk di push ke Github boleh melalui Git Bash maupun Powershell. Disini saya menggunakan powershell untuk melakukan push ke Github

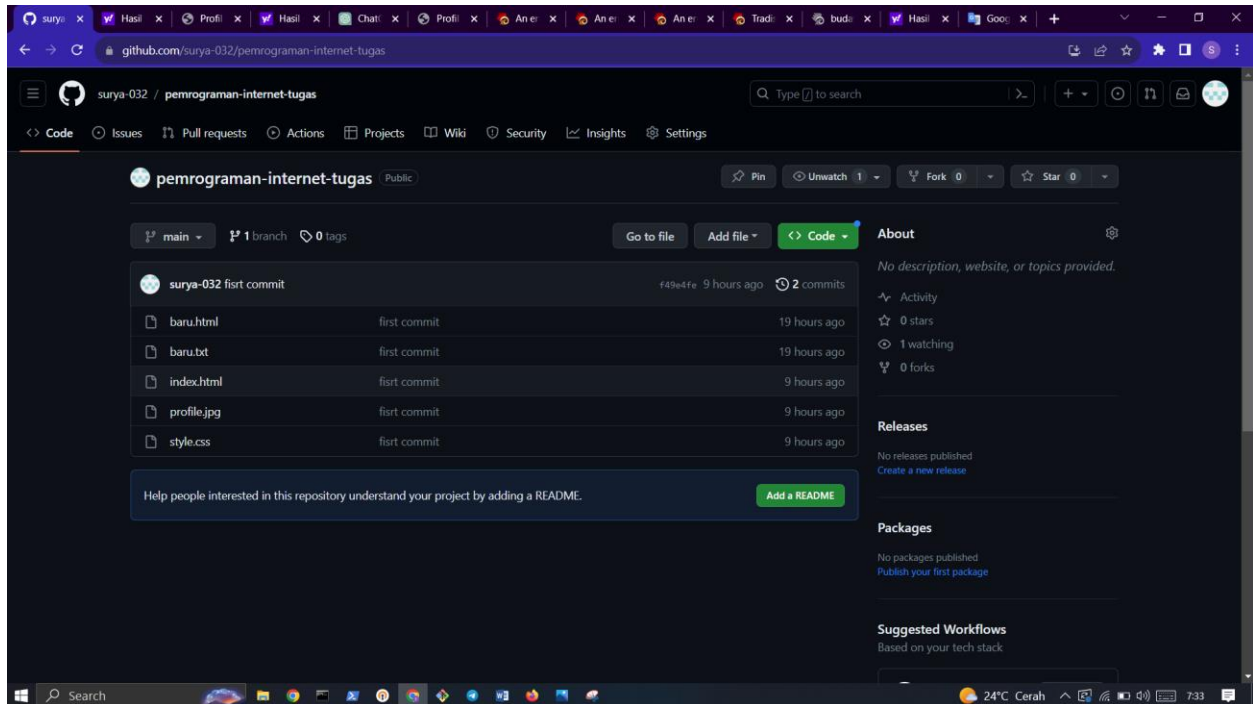
```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\surya\Documents\prognnet> git init
Reinitialized existing Git repository in C:/Users/surya/Documents/prognnet/.git/
PS C:\Users\surya\Documents\prognnet> git add .
PS C:\Users\surya\Documents\prognnet> git push -u origin main
Everything up-to-date
branch 'main' set up to track 'origin/main'.
PS C:\Users\surya\Documents\prognnet> git commit -m "fisrt commit"
[main f49e4fe] fisrt commit
 3 files changed, 93 insertions(+)
 create mode 100644 index.html
 create mode 100644 profile.jpg
 create mode 100644 style.css
PS C:\Users\surya\Documents\prognnet> git push -u origin main
ssh: Could not resolve hostname github.com: Name or service not known
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
PS C:\Users\surya\Documents\prognnet> git remote add origin https://github.com/surya-032/pemrograman-internet-tugas.git
error: remote origin already exists.
PS C:\Users\surya\Documents\prognnet> git push -u origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 210.00 KiB | 640.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:surya-032/pemrograman-internet-tugas.git
 9735ae1..f49e4fe  main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\surya\Documents\prognnet>
```

Gambar diatas merupakan gambar yang dimana kita telah berhasil mempush isi folder prognet yang terletak di rektori C: /User/surya/Document/prognet/.git/ jadi untuk membuktikan bahawa file tersebut telah di upload atau di push ke Github baru kita lihat ke Githubnya



Gambar di atas merupakan gambar yang dimana kita telah berhasil push file data di folder prognet dari komputer lokal ke Githubnya.

```
MINGW64/c/Users/surya
surya@DESKTOP-Q837KLN MINGW64 ~
$ ssh d.2205551032@prognat.localnet
d.2205551032@prognat.localnet's password:
Linux PrognatServer 6.2.16-3-pve #1 SMP PREEMPT_DYNAMIC PVE 6.2.16-3 (2023-06-17
T01:58Z) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Tue Sep 19 11:25:52 2023 from 192.168.4.3
d.2205551032@PrognatServer:~$ cd prognat
d.2205551032@PrognatServer:~/prognat$ cd public
d.2205551032@PrognatServer:~/prognat/public$ ls -al
total 12
drwxr-xr-x  2 d.2205551032 www-data 4096 Sep 12 23:47 .
drwxr-xr-x  3 d.2205551032 www-data 4096 Sep 12 23:47 ..
-rwxr-xr-x  1 d.2205551032 www-data  37 Sep 12 23:47 index.php
d.2205551032@PrognatServer:~/prognat/public$ rm index.php
d.2205551032@PrognatServer:~/prognat/public$ ls -al
total 8
drwxr-xr-x  2 d.2205551032 www-data 4096 Sep 19 12:08 .
drwxr-xr-x  3 d.2205551032 www-data 4096 Sep 12 23:47 ..
d.2205551032@PrognatServer:~/prognat/public$ git init
hint: Using 'master' as the name for the initial branch. This default branch nam
e
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint: git init
hint: git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint: git branch -m <name>
Initialized empty Git repository in /home/d.2205551032/prognat/public/.git/
d.2205551032@PrognatServer:~/prognat/public$ git remote add origin https://github.com/surya-032/programan-internet-tugas.git
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 204 bytes | 204.00 KiB/s, done.
From https://github.com/surya-032/programan-internet-tugas
* branch            main       -> FETCH_HEAD
* [new branch]      main       -> origin/main
d.2205551032@PrognatServer:~/prognat/public$ ls -al
total 12
drwxr-xr-x  3 d.2205551032 www-data 4096 Sep 19 12:11 .
drwxr-xr-x  3 d.2205551032 www-data 4096 Sep 12 23:47 ..
drwxr-xr-x  8 d.2205551032 d.2205551032 4096 Sep 19 12:11 .git
-rw-r--r--  1 d.2205551032 d.2205551032  0 Sep 19 12:11 baru.html
-rw-r--r--  1 d.2205551032 d.2205551032  0 Sep 19 12:11 baru.txt
d.2205551032@PrognatServer:~/prognat/public$ client_loop: send disconnect: Connection reset by peer

surya@DESKTOP-Q837KLN MINGW64 ~
```

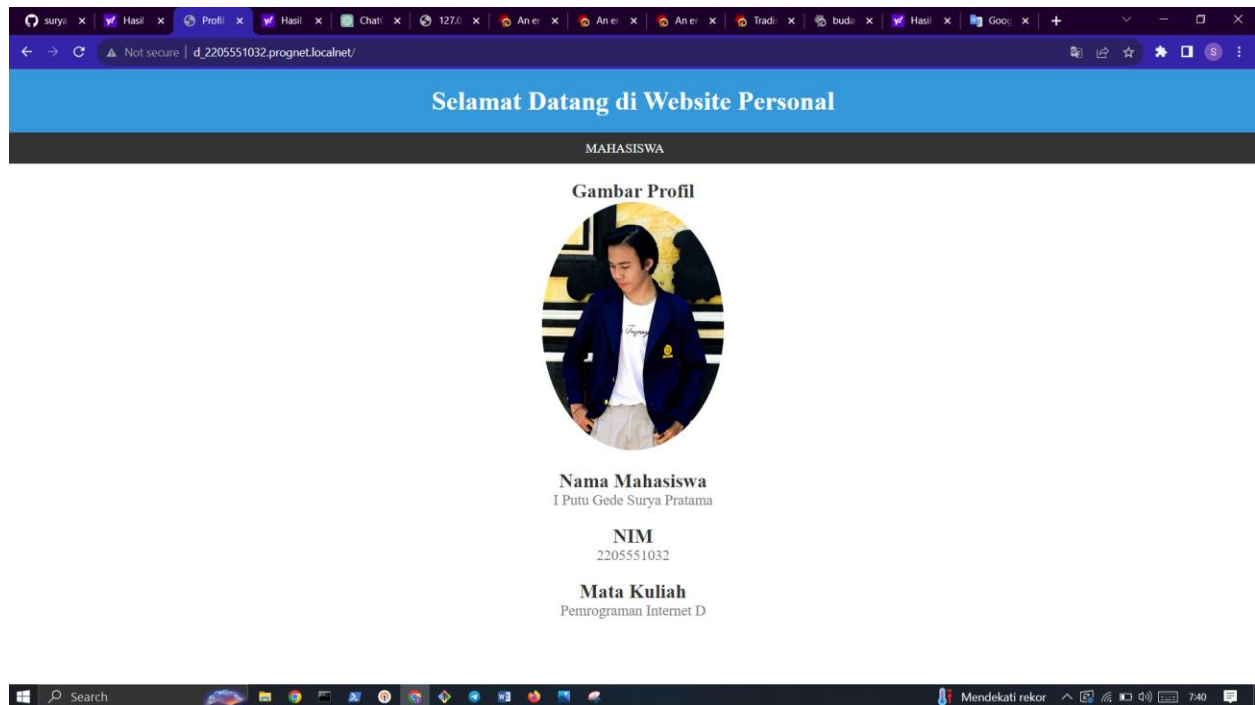
```
MINGW64/c/Users/surya
d.2205551032@prognat.localnet's password:
Linux PrognatServer 6.2.16-3-pve #1 SMP PREEMPT_DYNAMIC PVE 6.2.16-3 (2023-06-17T05:58Z) x86_64

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individual files in /usr/share/doc/*/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Tue Sep 19 11:33:53 2023 from 192.168.4.3
d.2205551032@PrognatServer:~$ cd prognat
d.2205551032@PrognatServer:~/prognat$ cd public
d.2205551032@PrognatServer:~/prognat/public$ ls -al
total 12
drwxr-xr-x  3 d.2205551032 www-data 4096 Sep 19 12:11 .
drwxr-xr-x  3 d.2205551032 www-data 4096 Sep 12 23:47 ..
drwxr-xr-x  8 d.2205551032 d.2205551032 4096 Sep 19 12:11 .git
-rw-r--r--  1 d.2205551032 d.2205551032  0 Sep 19 12:11 baru.html
-rw-r--r--  1 d.2205551032 d.2205551032  0 Sep 19 12:11 baru.txt
d.2205551032@PrognatServer:~/prognat/public$ git init
Reinitialized existing Git repository in /home/d.2205551032/prognat/public/.git/
d.2205551032@PrognatServer:~/prognat/public$ git remote add origin https://github.com/surya-032/programan-internet-tugas.git
error: remote origin already exists.
d.2205551032@PrognatServer:~/prognat/public$ git remote add origin https://github.com/surya-032/programan-internet-tugas.git
error: remote origin already exists.
d.2205551032@PrognatServer:~/prognat/public$ git pull origin main
git: 'pukk' is not a git command. See 'git --help'.

The most similar commands are
  pull
  push
d.2205551032@PrognatServer:~/prognat/public$ ls -al
total 12
drwxr-xr-x  3 d.2205551032 www-data 4096 Sep 19 12:11 .
drwxr-xr-x  3 d.2205551032 www-data 4096 Sep 12 23:47 ..
drwxr-xr-x  8 d.2205551032 d.2205551032 4096 Sep 19 13:42 .git
-rw-r--r--  1 d.2205551032 d.2205551032  0 Sep 19 12:11 baru.html
-rw-r--r--  1 d.2205551032 d.2205551032  0 Sep 19 12:11 baru.txt
d.2205551032@PrognatServer:~/prognat/public$ git pull origin main
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 5 (delta 0), reused 5 (delta 0), pack-reused 0
Unpacking objects: 100% (5/5), 209.98 KiB | 528.00 KiB/s, done.
From https://github.com/surya-032/programan-internet-tugas
* branch            main       -> FETCH_HEAD
 9735ae1..f49e4fe  main       -> origin/main
Updating 9735ae1..f49e4fe
Fast-forward
 index.html | 35 ++++++
 profile.jpg | Bin 0 -> 214204 bytes
 style.css  | 58 ++++++
 3 files changed, 93 insertions(+)
 create mode 100644 index.html
 create mode 100644 profile.jpg
 create mode 100644 style.css
d.2205551032@PrognatServer:~/prognat/public$ client_loop: send disconnect: Connection reset by peer
```

Gambar di atas yaitu gambar dimana kita pull file data yang ada di Github kita yang akan ditarik ke servernya, dari gambar tersebut kita telah berhasil melakukan pull ke server yang pertamanya file yang sudah kita push ke Github lalu kita akan pull ke server



Kita buka browser dengan mencari d_2205551032@prognet.localnet jika sudah Maka gambar diatas merupakan terjemaaahan dari semua file yang ada di komputer lokal dan Github. Jika sudah ada tampilannya maka kita sudah berhasil melakukan push ke servernya