

PUPUT DEBBYLA WALZAHRA

51421182_4IA06

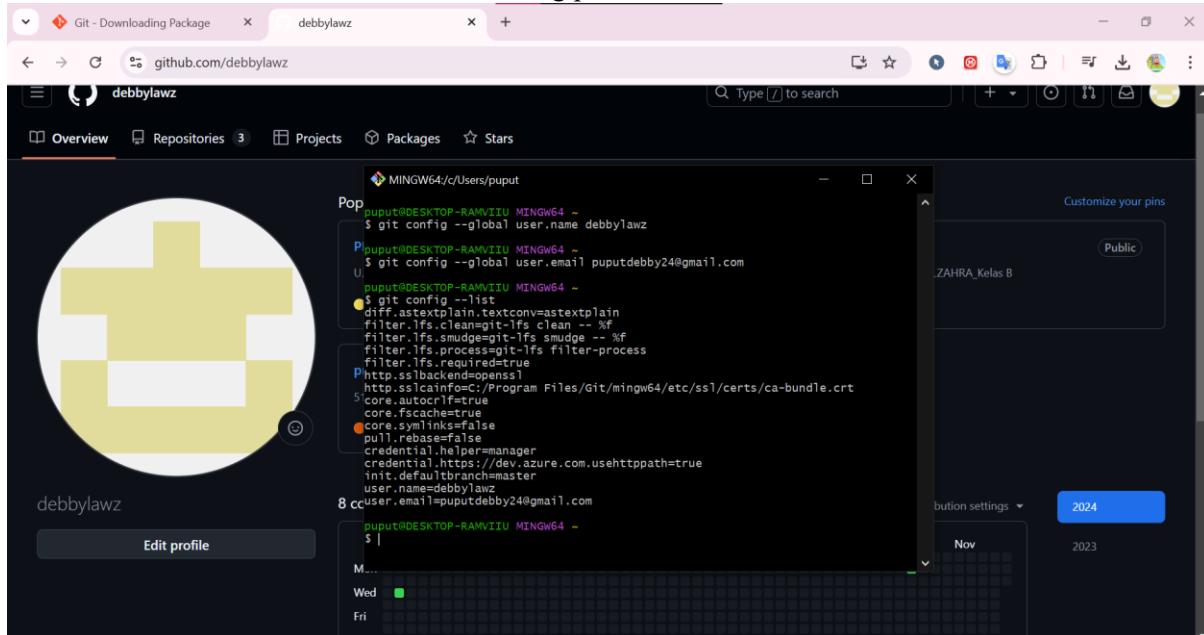
Rekayasa Perangkat Lunak 2

Dokumentasi Pengembangan Oerangkat Lunak Terpadu, Version Control System, Git dan Github

1. Screenshot langkah-langkah dari pembuatan repository, clone repository, git push dan git pull hingga brancing repository sesuai dengan video di praktikum.

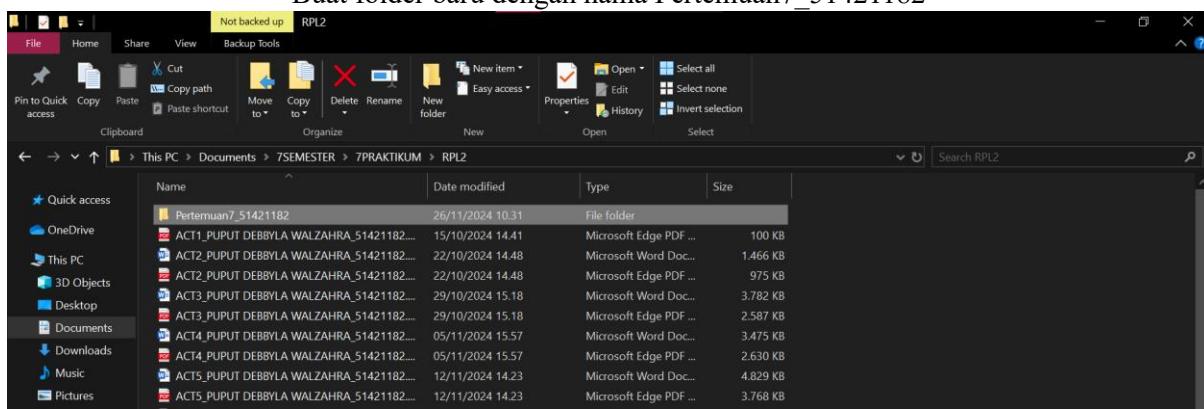
Install gitbash dan sign in/up ke github.com
(disini saya udah install dan sudah buat akun jauh sebelum praktikum ini ada)

Config pada GitBash

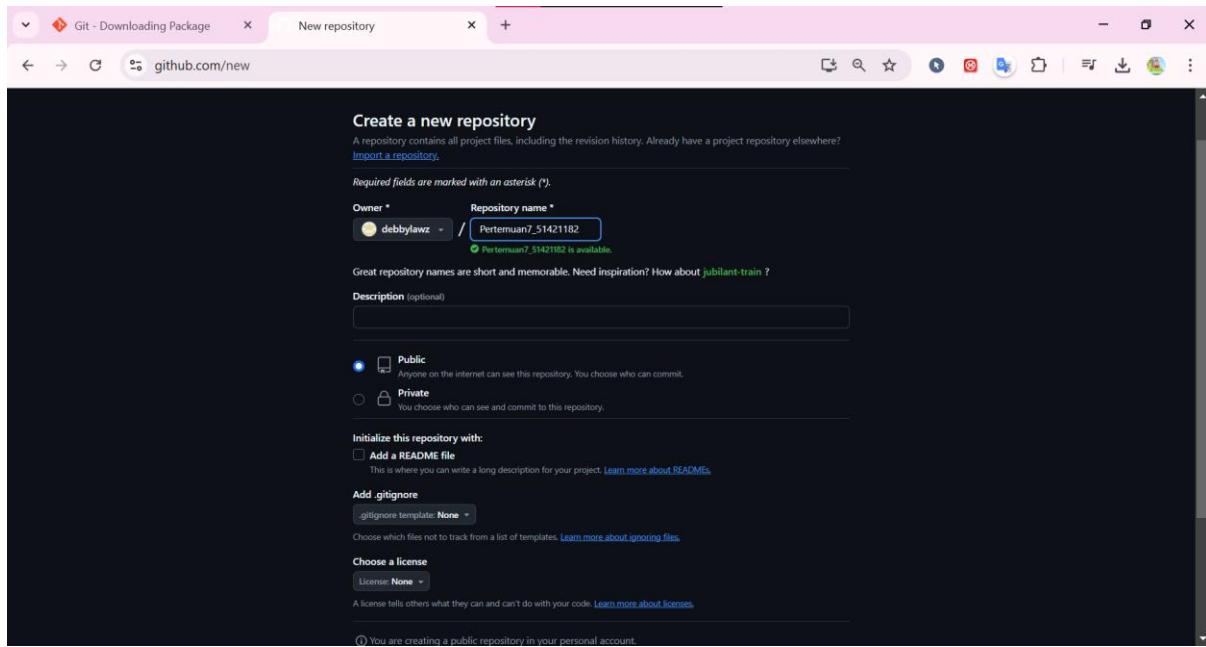


```
MINGW64:/c/Users/puput
puput@DESKTOP-RAMVIU MINGW64 ~
$ git config --global user.name debbylawz
puput@DESKTOP-RAMVIU MINGW64 ~
$ git config --global user.email puputdebbby24@gmail.com
puput@DESKTOP-RAMVIU MINGW64 ~
$ git config --global http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/etc/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.ignorecase=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=debbylawz
user.email=puputdebbby24@gmail.com
puput@DESKTOP-RAMVIU MINGW64 ~
$ |
```

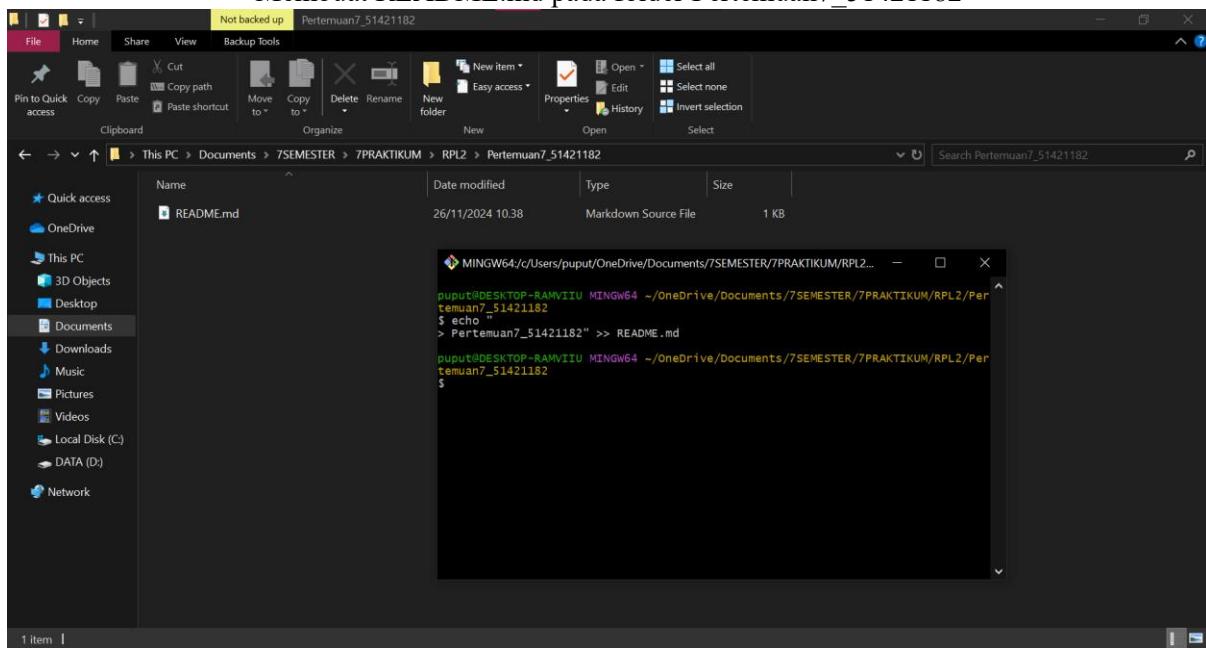
Buat folder baru dengan nama Pertemuan7_51421182



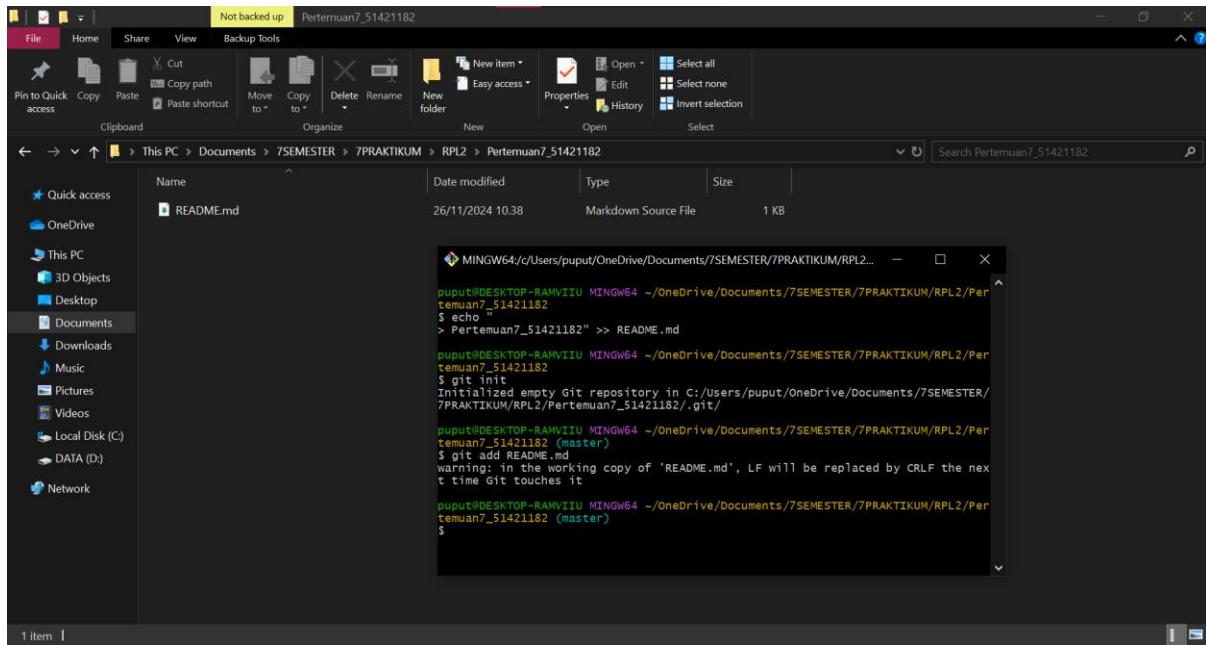
Buat New Repository di GitHub dengan nama Pertemuan7_51421182



Membuat README.md pada folder Pertemuan7_51421182



Inisialisasikan dan tambahkan README.md



Commit README.md ke Repository GitHub

```

MINGW64:/c/Users/puput/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182
puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (master)
$ git commit -m "First commit"
[master (root-commit) e0438c4] First commit
 1 file changed, 2 insertions(+)
 create mode 100644 README.md

puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (master)
$ git status
On branch master
nothing to commit, working tree clean

puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (master)
$ 

```

Lalu rename branch yang sedang berjalan menjadi branch main dan menghubungkan folder ke Git ke remote

```

MINGW64:/c/Users/puput/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182
puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (master)
$ git status
On branch master
nothing to commit, working tree clean

puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (master)
$ git branch -M main

puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (main)
$ git remote add origin https://github.com/debbylawz/Pertemuan7_51421182.git

```

[Hubungkan](#)

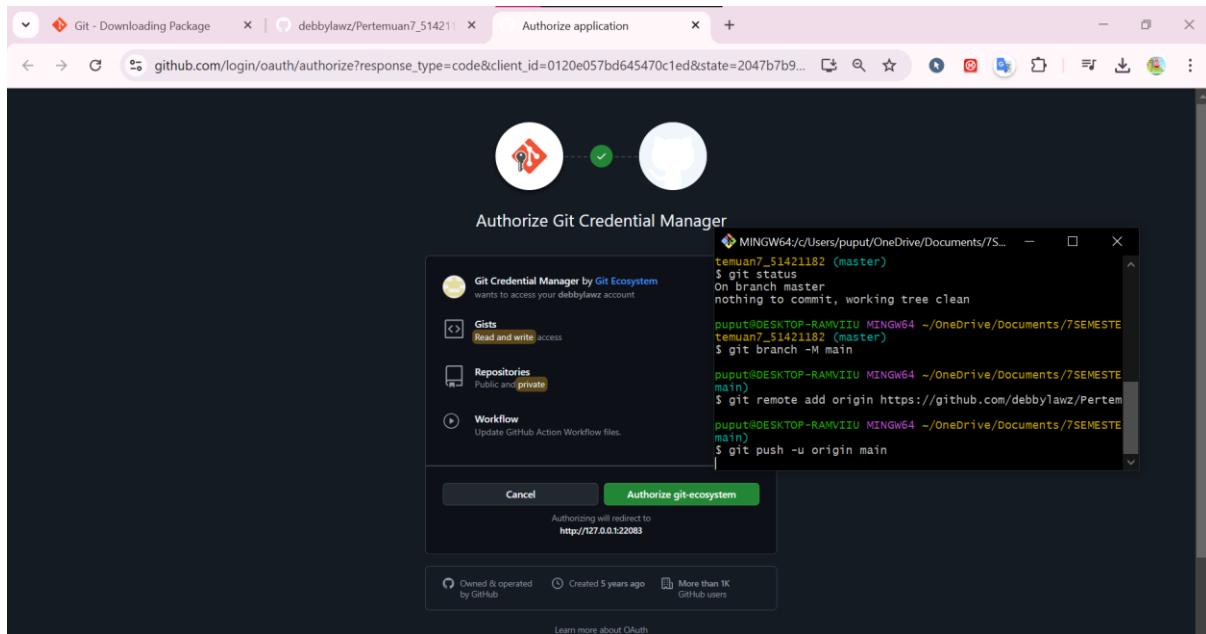
The screenshot shows a browser window with the URL github.com/debbylawz/Pertemuan7_51421182. The page displays instructions for setting up a GitHub Copilot and adding collaborators. It also includes sections for quick setup, creating a new repository, and pushing an existing repository from the command line. A terminal window on the right shows the command-line steps for cloning the repository and pushing changes.

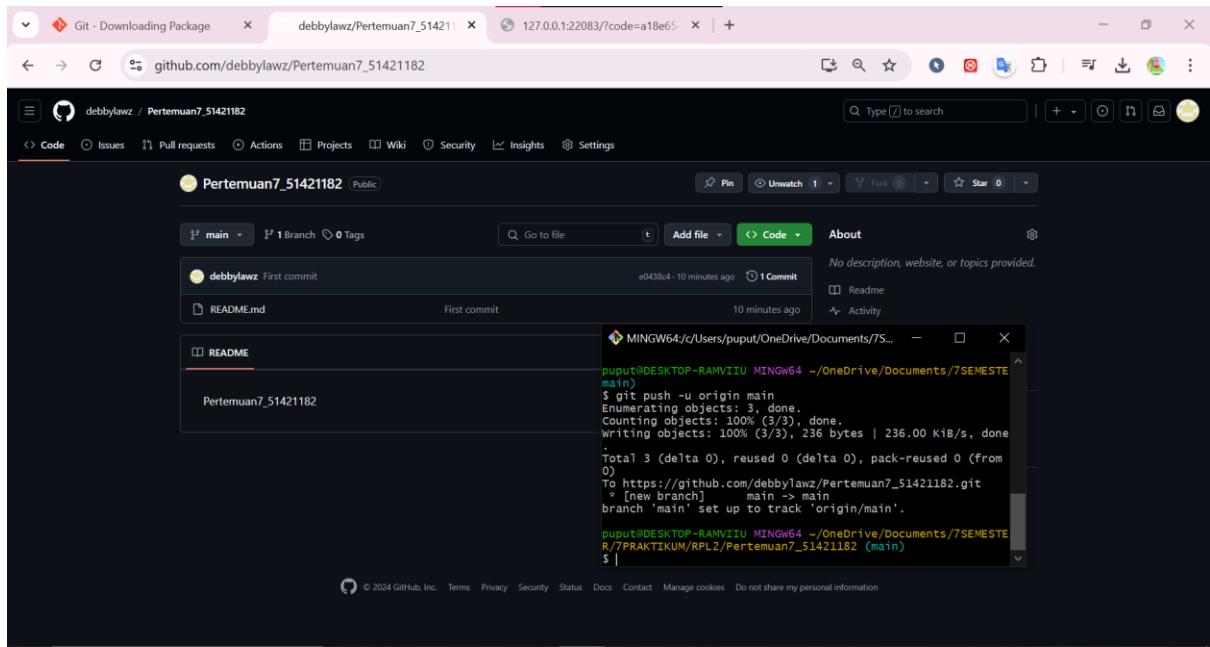
```
MINGW64:/c/Users/puput/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182
$ git status
On branch master
nothing to commit, working tree clean

MINGW64:/c/Users/puput/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182
$ git branch -M main
$ git remote add origin https://github.com/debbylawz/Pertemuan7_51421182.git
$ git push -u origin main

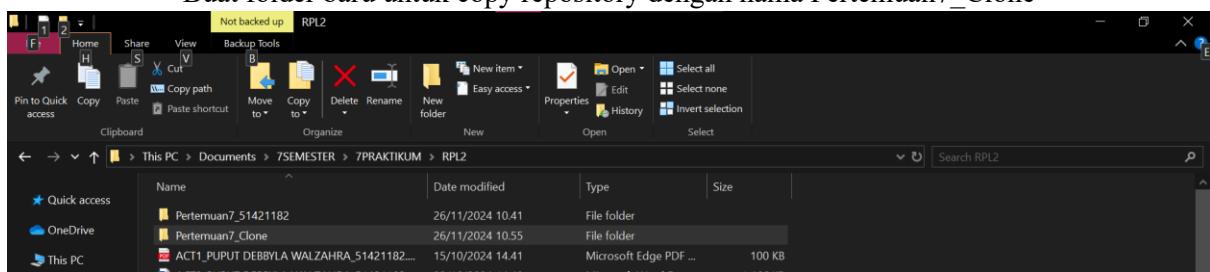
...or push an existing repository from the command line

git remote add origin https://github.com/debbylawz/Pertemuan7_51421182.git
git branch -M main
git push -u origin main
```

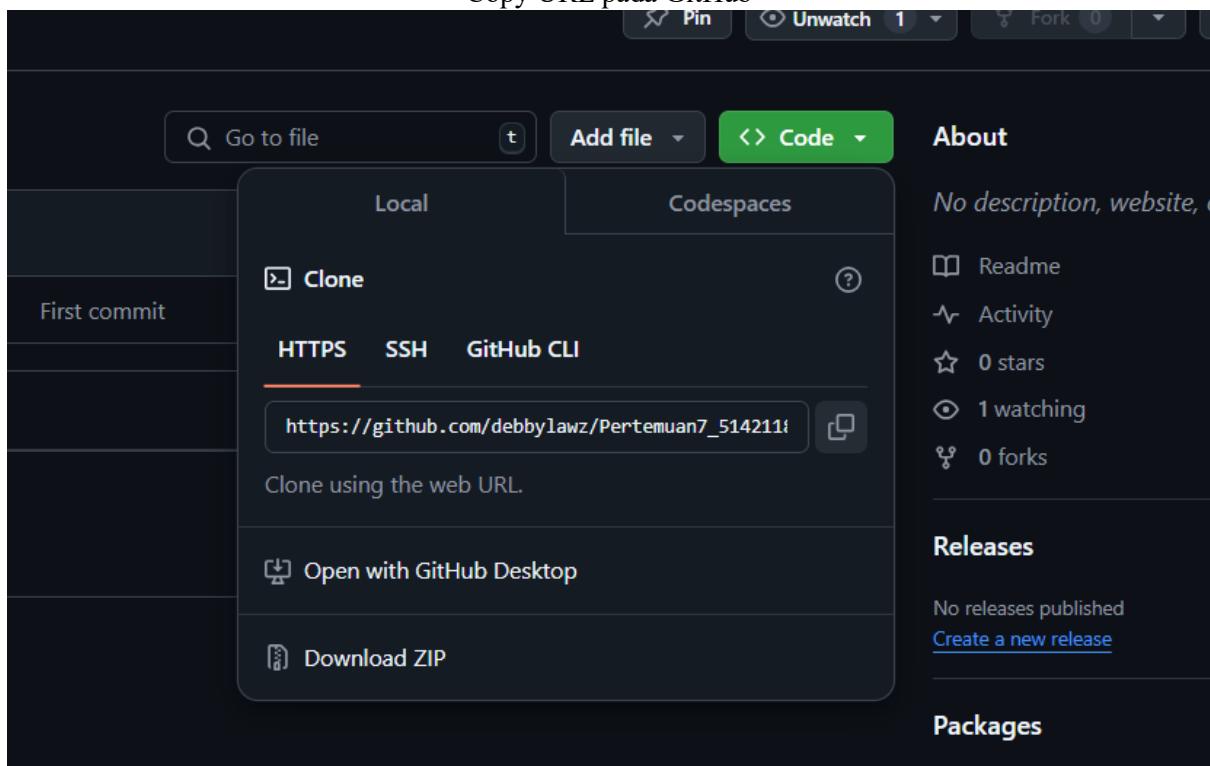




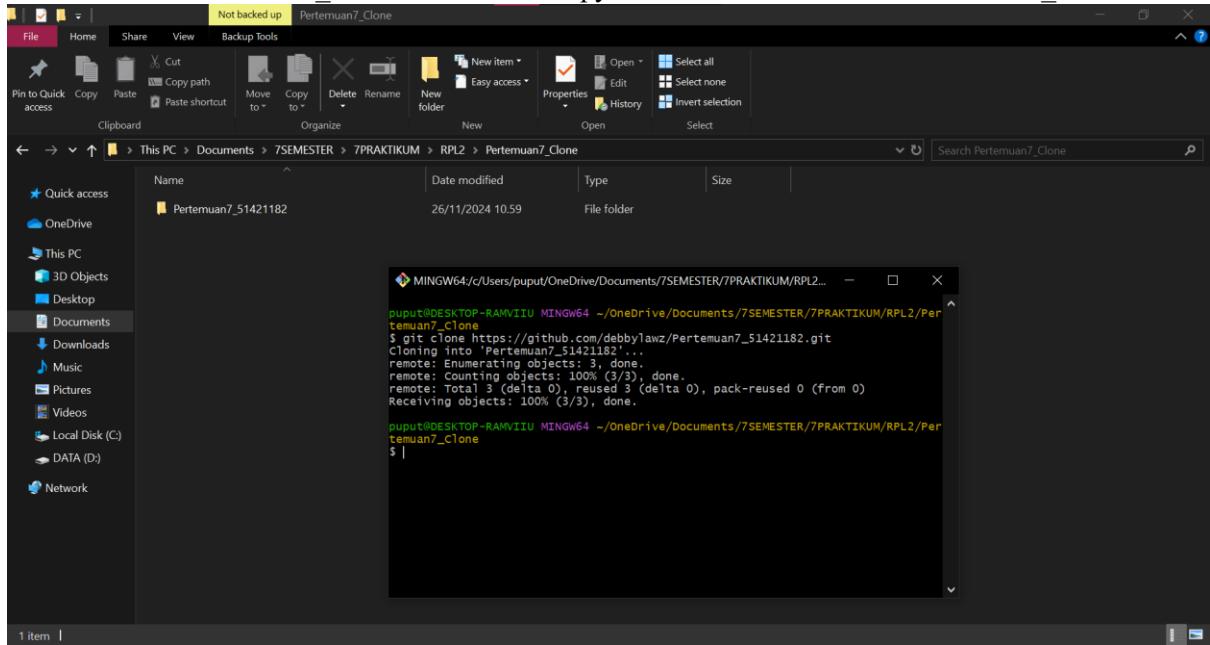
Buat folder baru untuk copy repository dengan nama Pertemuan7_Clone



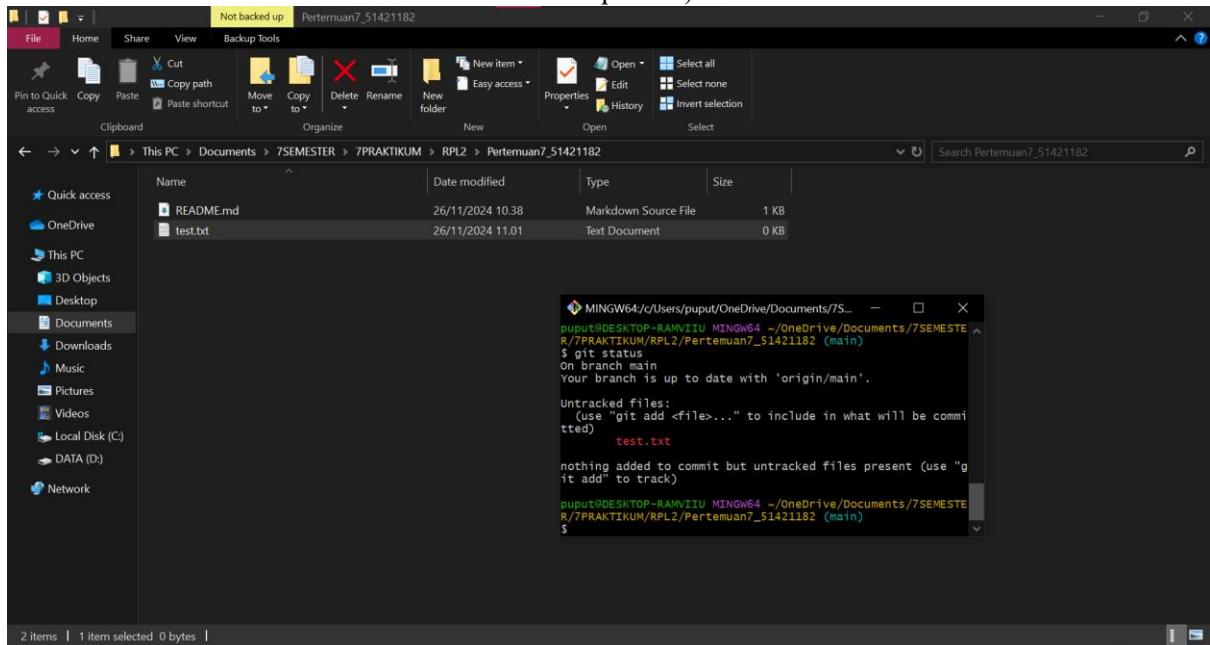
Copy URL pada GitHub



Folder Pertemuan7_51421182 sudah dicopy dan ada di dalam folder Pertemuan7_Clone



Hasil pada GitBash menyatakan bahwa file test.txt tidak ada pada GitHub online (hanya tersimpan di folder pribadi)



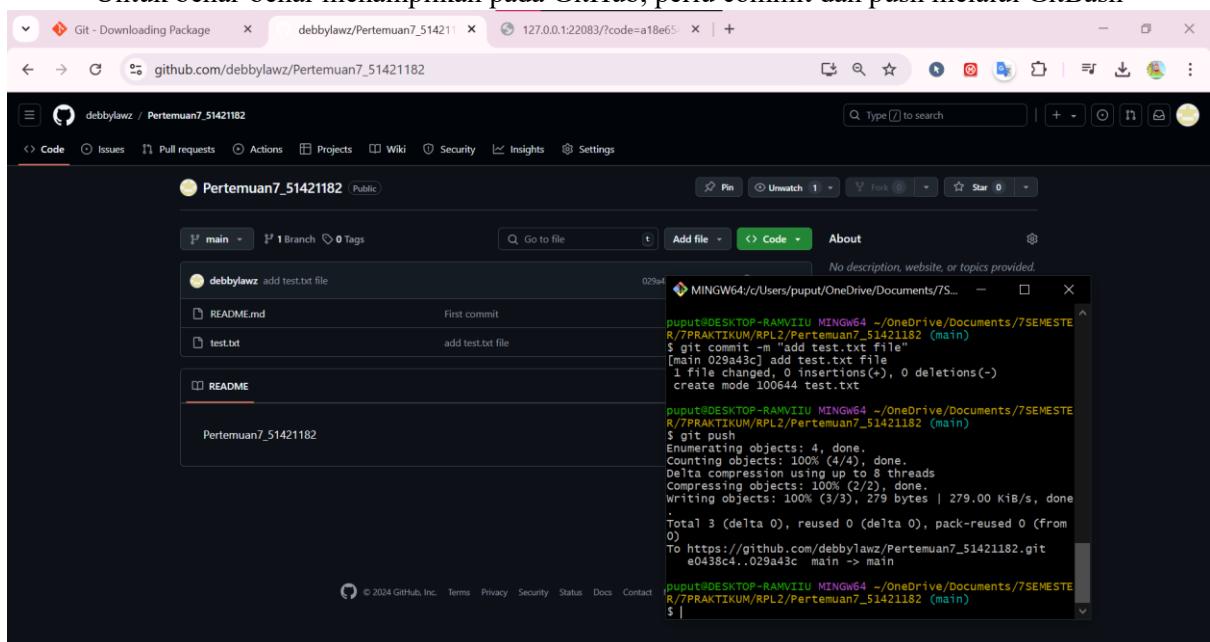
Lalu untuk menambahkan test.txt pada GitHub, hanya perlu melakukan “git add test.txt” (hanya untuk file test.txt) atau “git add .” (untuk semua file yang belum ditambahkan) pada GitBash

```
MINGW64:/c/Users/puput/OneDrive/Documents/7S... — □ X
R/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (main)
$ git add .

puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTE
R/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   test.txt
```

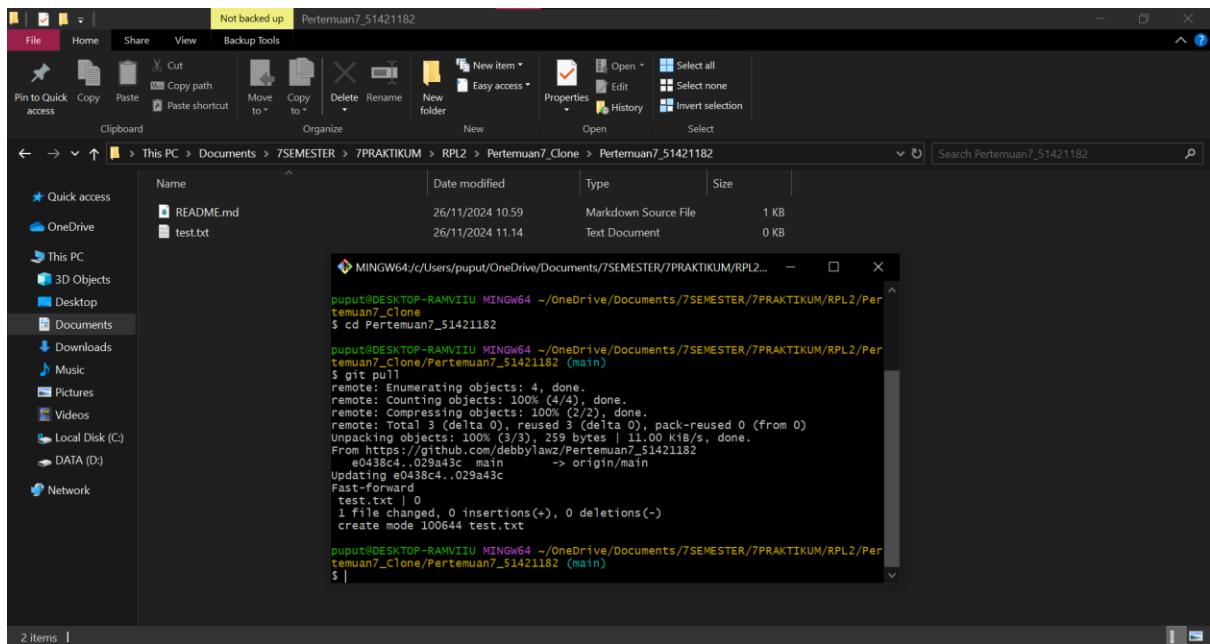
Untuk benar-benar menampilkan pada GitHub, perlu commit dan push melalui GitBash



The screenshot shows a GitHub repository page for 'debbylawz / Pertemuan7_51421182'. The repository has 1 branch and 0 tags. A file named 'test.txt' is listed under the 'main' branch, with the commit message 'add test.txt file'. Below the file listing, there is a terminal window showing the command history for adding and committing the file, followed by a successful git push operation.

```
debbylawz / Pertemuan7_51421182
Code Issues Pull requests Actions Projects Wiki Security Insights Settings
Pertemuan7_51421182 Public
main 1 Branch 0 Tags
Go to file Add file Code About
No description, website, or topics provided.
debbylawz add test.txt file
README.md First commit
test.txt add test.txt file
README
Pertemuan7_51421182
029a4 MINGW64:/c/Users/puput/OneDrive/Documents/7S... — □ X
puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTE
R/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (main)
$ git add .
[main 029a43c] add test.txt file
 1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 test.txt
puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTE
R/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (main)
$ git commit -m "add test.txt file"
Counting objects: 4, done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 279 bytes | 279.00 KiB/s, done
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/debbylawz/Pertemuan7_51421182.git
 e0438c4..029a43c main -> main
puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTE
R/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (main)
$ |
```

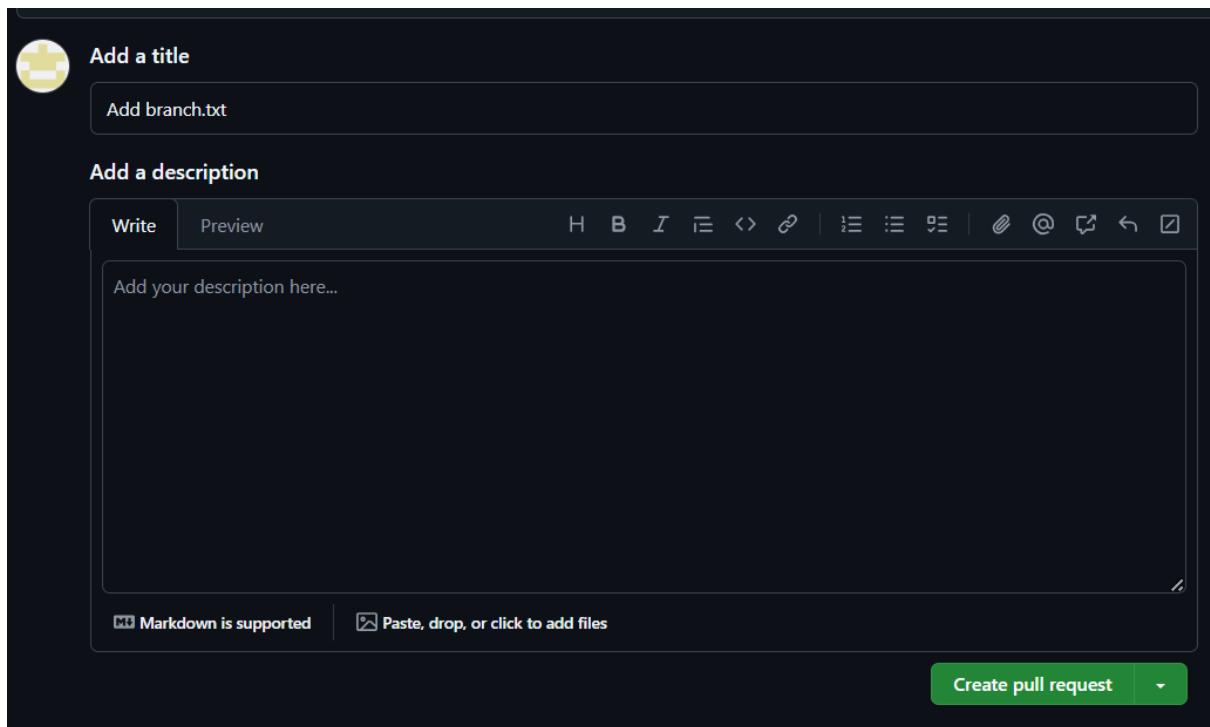
Lalu untuk menambahkan file test.txt pada folder Pertemuan7_Clone. Perlu masuk dulu ke folder Pertemuan7_Clone > Pertemuan7_51421182 melalui GitBash dan pull file test.txt.



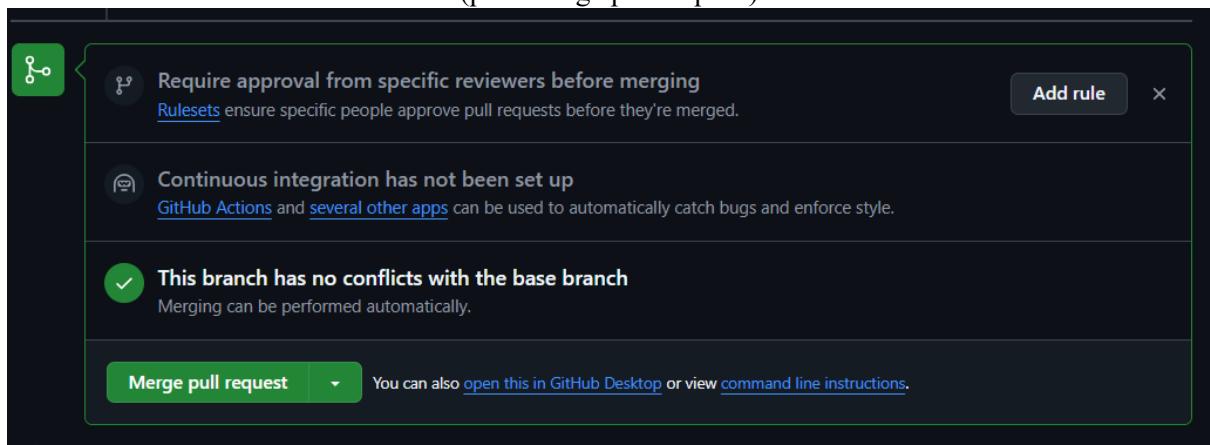
Ketikan pada GitBash agar file branch.txt ada di dalam GitHub

Lalu masukkan file branch.txt ke dalam branch main (pilih compare & pull request)

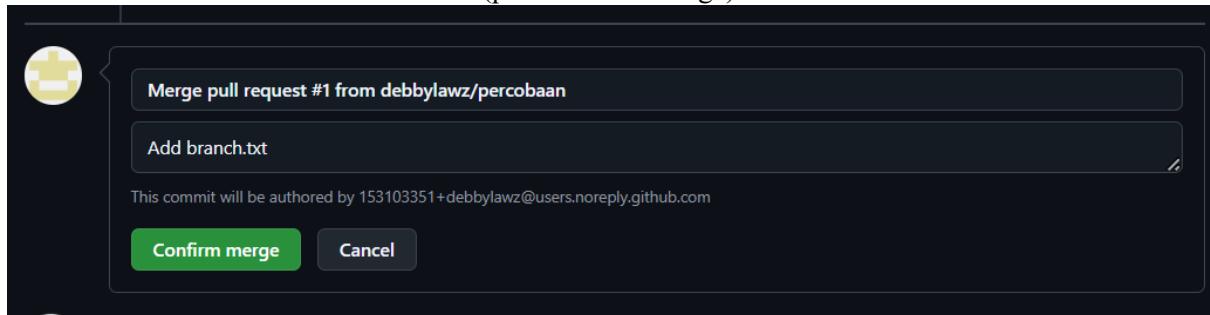
(pilih create pull request)



(pilih merge pull request)



(pilih confirm merge)



Disini bakal ada merge commit

No description provided.

Add branch.txt

debbylawz merged commit [f758b4e](#) into [main](#) now

Pull request successfully merged and closed

You're all set—the `percobaan` branch can be safely deleted.

File branch.txt berhasil masuk di branch main

Pertemuan7_51421182 Public

main 2 Branches 0 Tags

debbylawz Merge pull request #1 from debbylawz/percobaan · 1 minute ago

README.md First commit 48 minutes ago

branch.txt Add branch.txt 11 minutes ago

test.txt add test.txt file 22 minutes ago

README

Lalu masukkan file branch.txt ke dalam folder pribadi di komputer melalui GitBash

Name	Date modified	Type	Size
branch.txt	26/11/2024 11:34	Text Document	0 KB
README.md	26/11/2024 10:38	Markdown Source File	1 KB
test.txt	26/11/2024 11:01	Text Document	0 KB

```

MINGW64:/c/Users/puput/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 2 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 1.12 KiB | 63.00 KiB/s, done.
From https://github.com/debbylawz/Pertemuan7_51421182
 * [new branch]    percobaan  -> origin/percobaan
Fast-forward
 branch.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 branch.txt
MINGW64:/c/Users/puput/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182$ 

```

Banyaknya file pada masing-masing folder sudah berhasil disamakan

