

PUPUT DEBBYLA WALZAHRA

51421182_4IA06

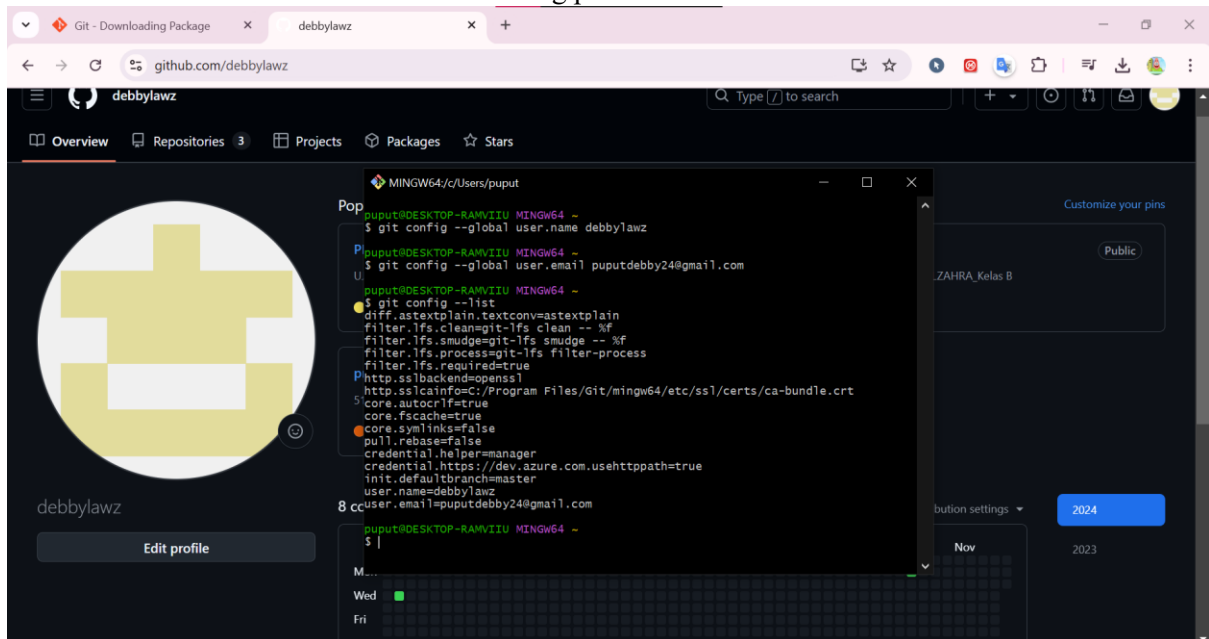
Rekayasa Perangkat Lunak 2

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

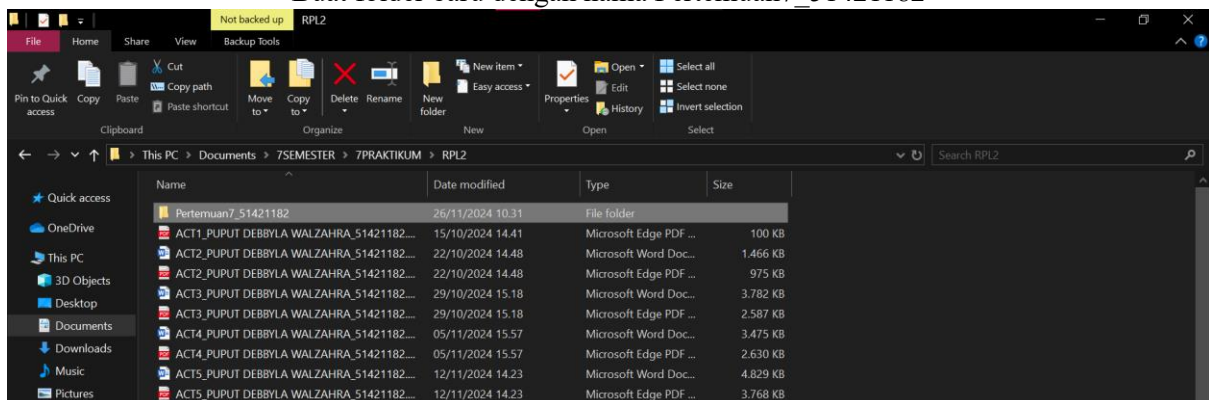
1. Screenshot langkah-langkah dari pembuatan repository, clone repository, git push dan git pull hingga branching repository sesuai dengan video di praktikum.

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

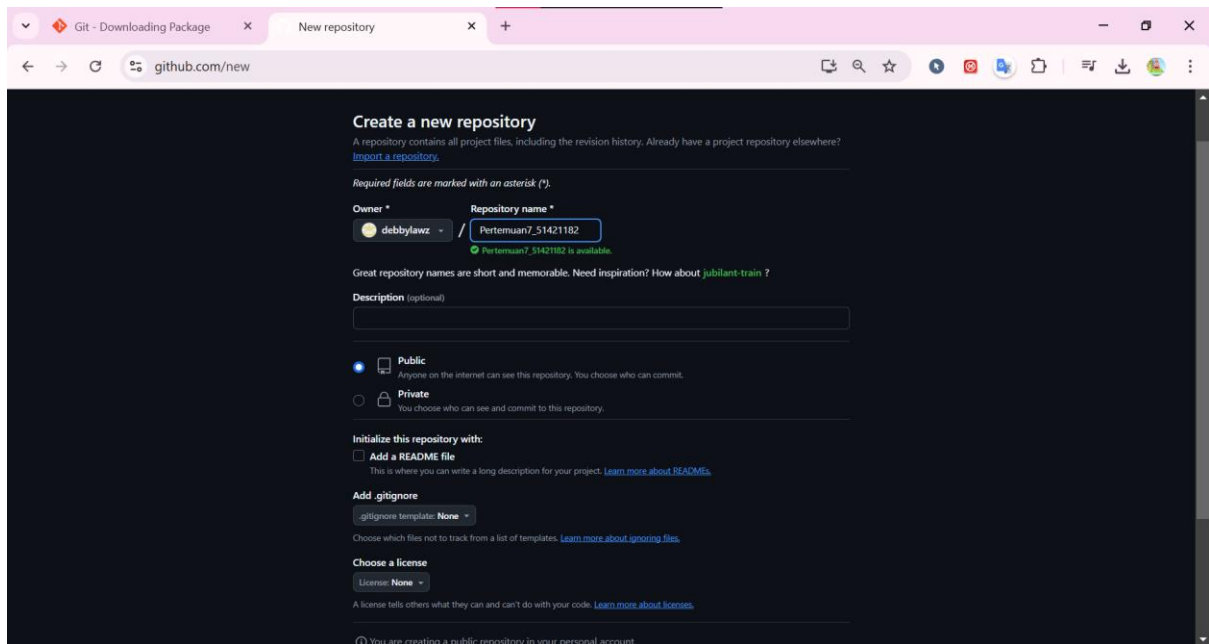
Config pada GitBash



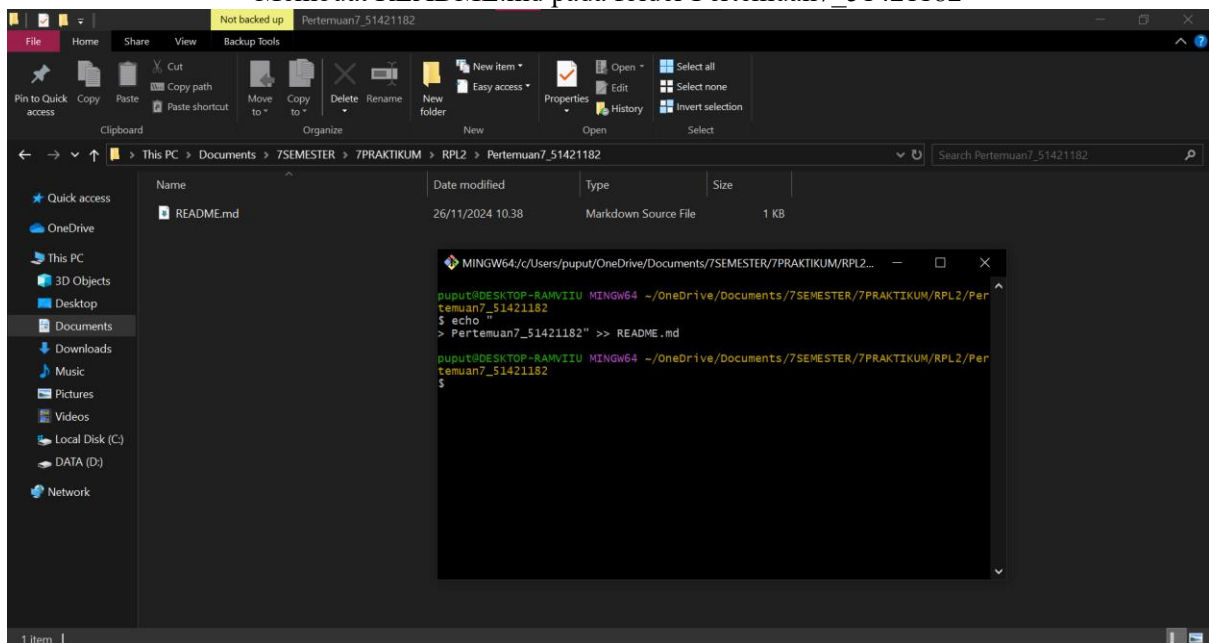
Buat folder baru dengan nama Pertemuan7_51421182



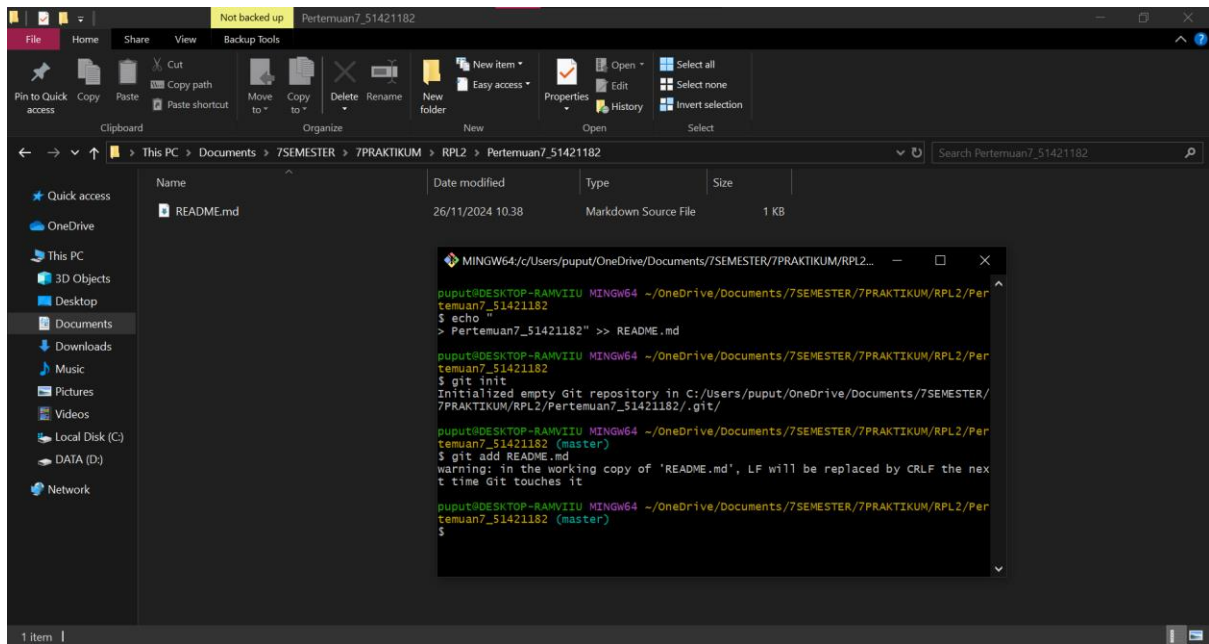
Buat New Repository di GitHub dengan nama Pertemuan7_51421182



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

Git - Downloading Package x debbylawz/Pertemuan7_51421182 x +

github.com/debbylawz/Pertemuan7_51421182

Pertemuan7_51421182

Set up GitHub Copilot

Use GitHub's AI pair programmer to autocomplete suggestions as you type.

Get started with GitHub Copilot

Add collaborators to this repository

Quick setup — if you've done this kind of thing before

Get started by creating a new file or uploading an existing file. We'll create a new repository for you.

...or create a new repository on the command line

```
echo "# Pertemuan7_51421182" >> README.md
git init
git add README.md
git commit -m "first commit"
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
```

MINGW64/c/Users/puput/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182

```
puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Per
temuan7_51421182 (master)
$ git status
On branch master
nothing to commit, working tree clean

puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Per
temuan7_51421182 (master)
$ git branch -M main

puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Per
temuan7_51421182 (main)
$ git remote add origin https://github.com/debbylawz/Pertemuan7_51421182.git

puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Per
temuan7_51421182 (main)
$ git push -u origin main
```

Git - Downloading Package x debbylawz/Pertemuan7_51421182 x Authorize application x +

github.com/login/oauth/authorize?response_type=code&client_id=0120e057bd645470c1ed&state=2047b7b9...

Authorize Git Credential Manager

Git Credential Manager by Git Ecosystem

wants to access your debbylawz account

Gists Read and write access

Repositories Public and private

Workflow Update GitHub Action Workflow files

Cancel Authorize git-ecosystem

Authorizing will redirect to <http://127.0.0.1:22083>

Owned & operated by GitHub Created 5 years ago More than 1K GitHub users

Learn more about OAuth

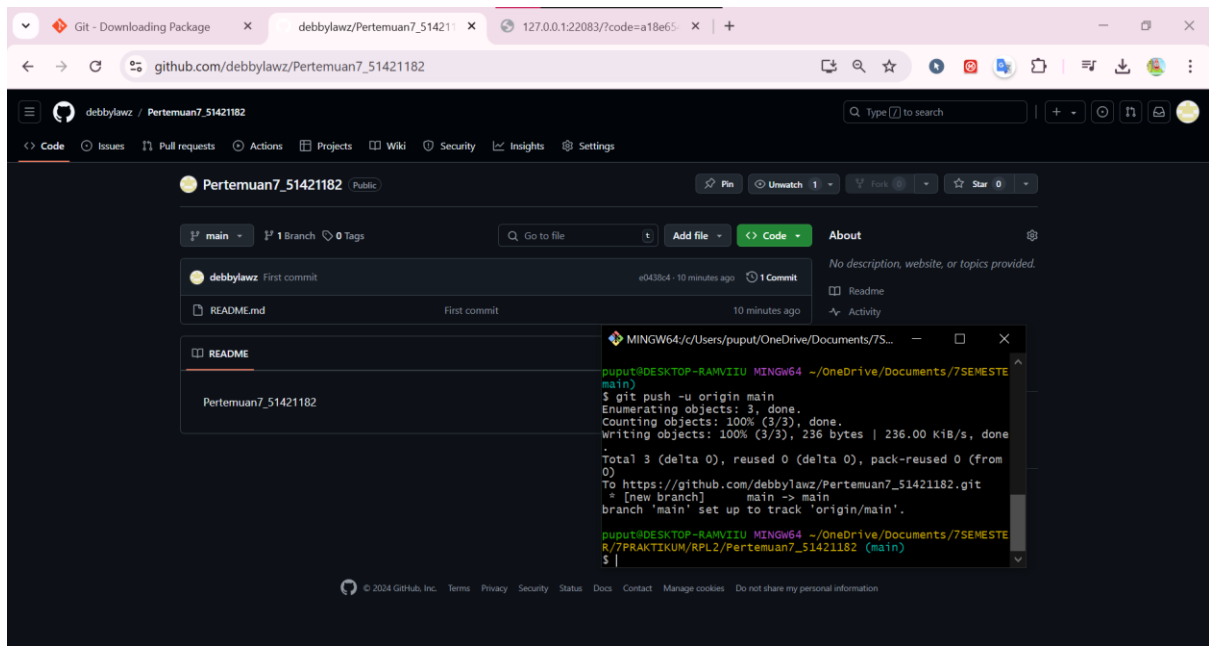
MINGW64/c/Users/puput/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Pertemuan7_51421182

```
temuan7_51421182 (master)
$ git status
On branch master
nothing to commit, working tree clean

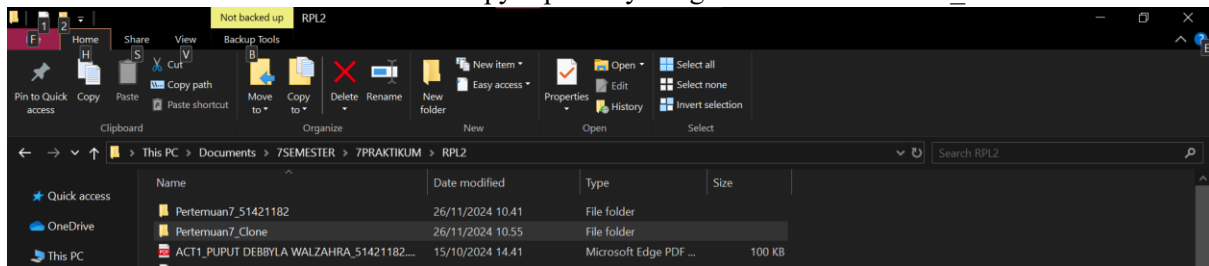
puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Per
temuan7_51421182 (master)
$ git branch -M main

puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Per
temuan7_51421182 (main)
$ git remote add origin https://github.com/debbylawz/Pertemuan7_51421182.git

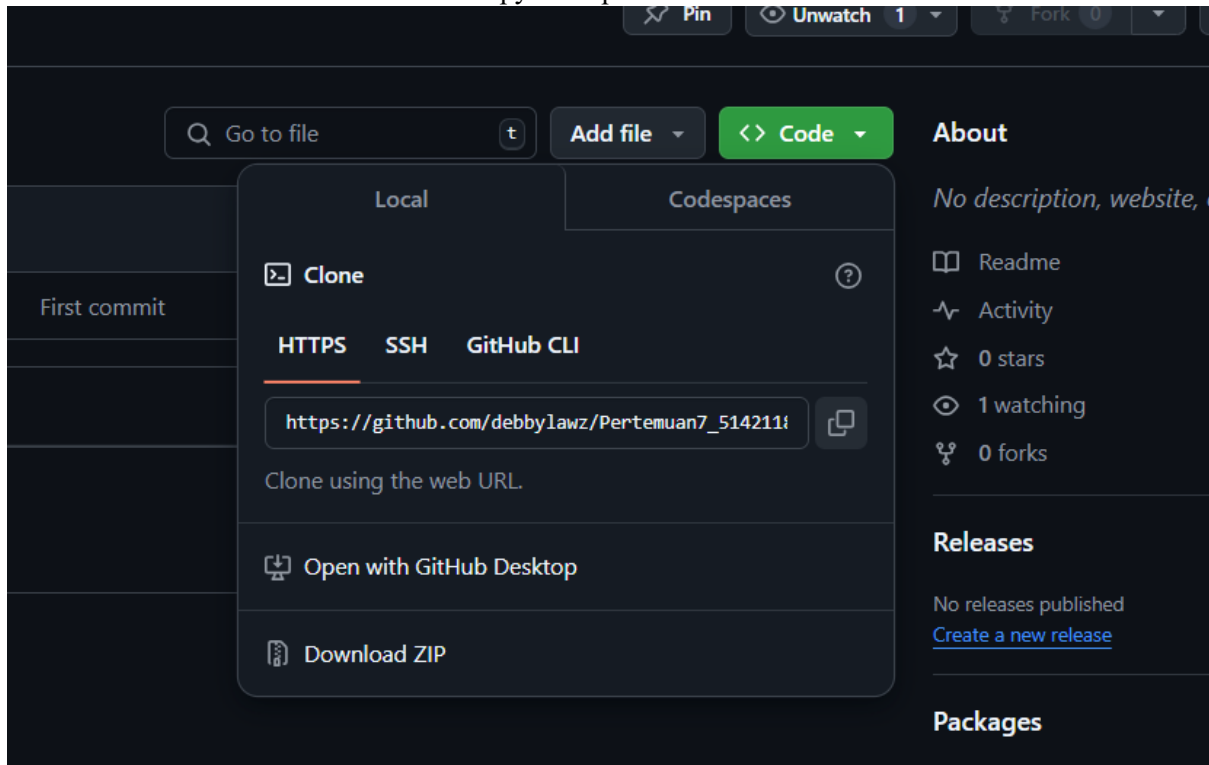
puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTER/7PRAKTIKUM/RPL2/Per
temuan7_51421182 (main)
$ git push -u origin main
```



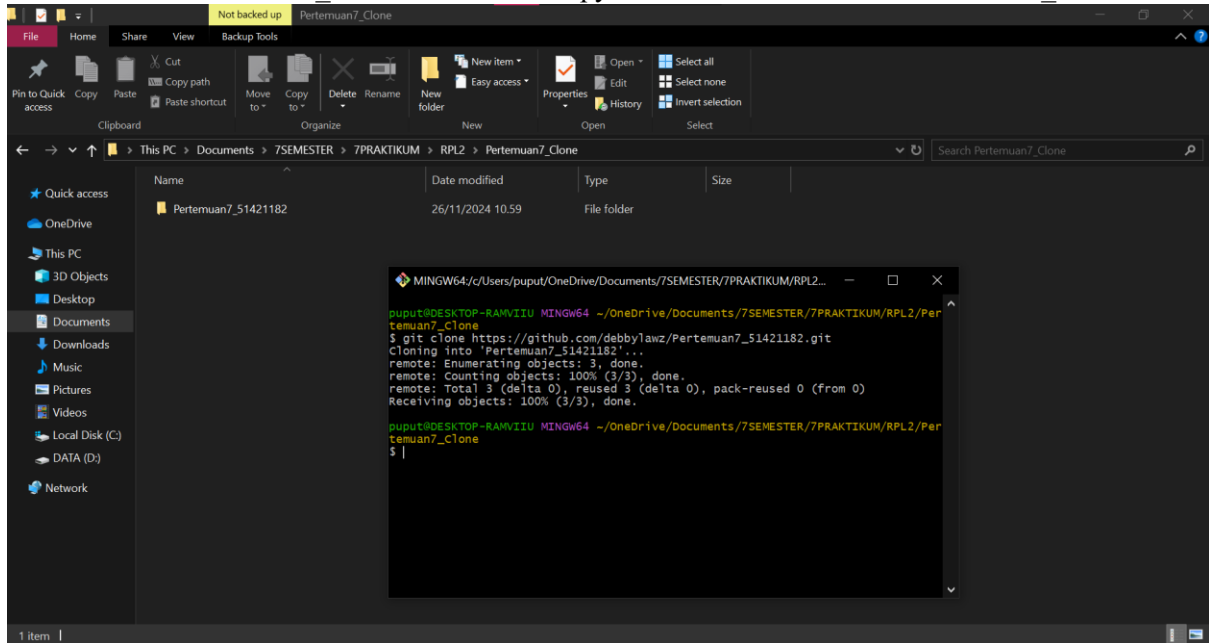
Buat folder baru untuk copy repository dengan nama Pertemuan7_Clone



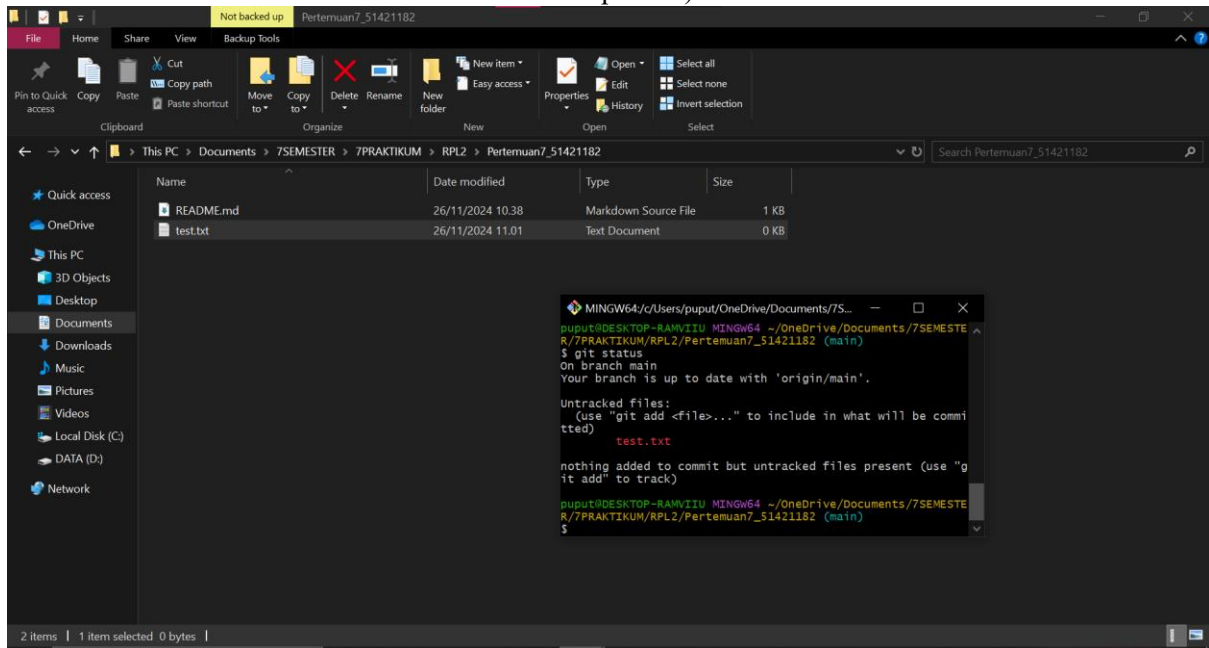
Copy URL pada GitHub



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...
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

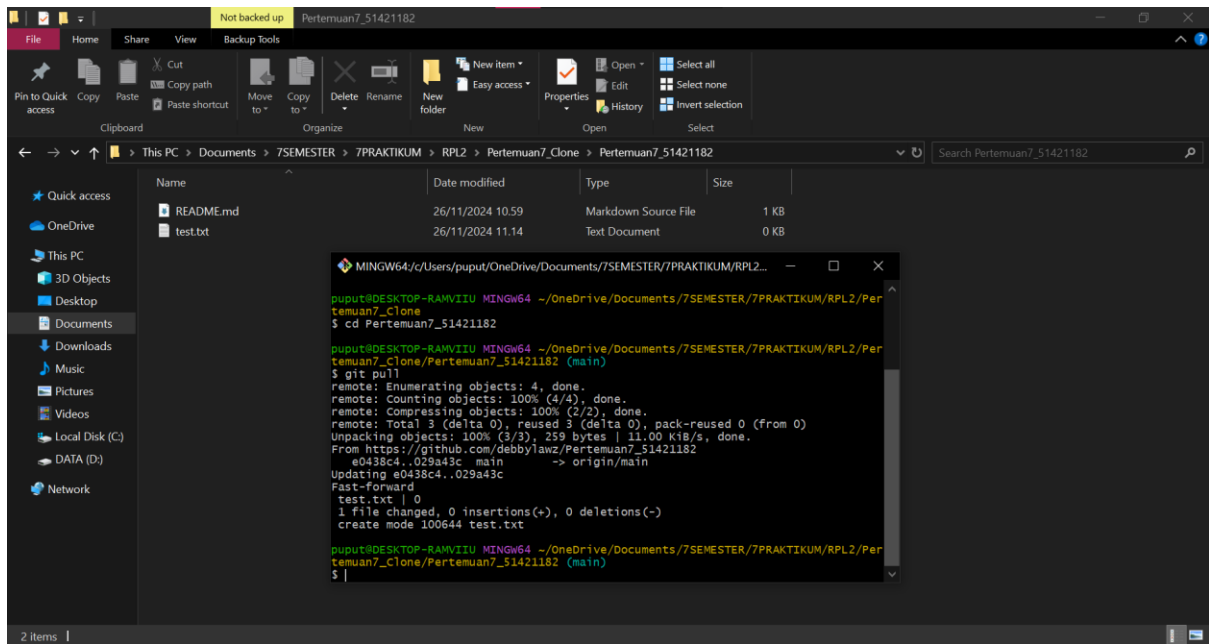
The screenshot shows a web browser with two tabs. The active tab is 'debbylawz/Pertemuan7_51421182' on GitHub. The repository page shows the file structure with 'README.md' and 'test.txt'. The 'README' file is open, showing the repository name 'Pertemuan7_51421182'. In the background, a terminal window is open, showing the following commands and output:

```
puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTE
R/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (main)
$ git commit -m "add test.txt file"
[main 029a43c] add test.txt file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 test.txt

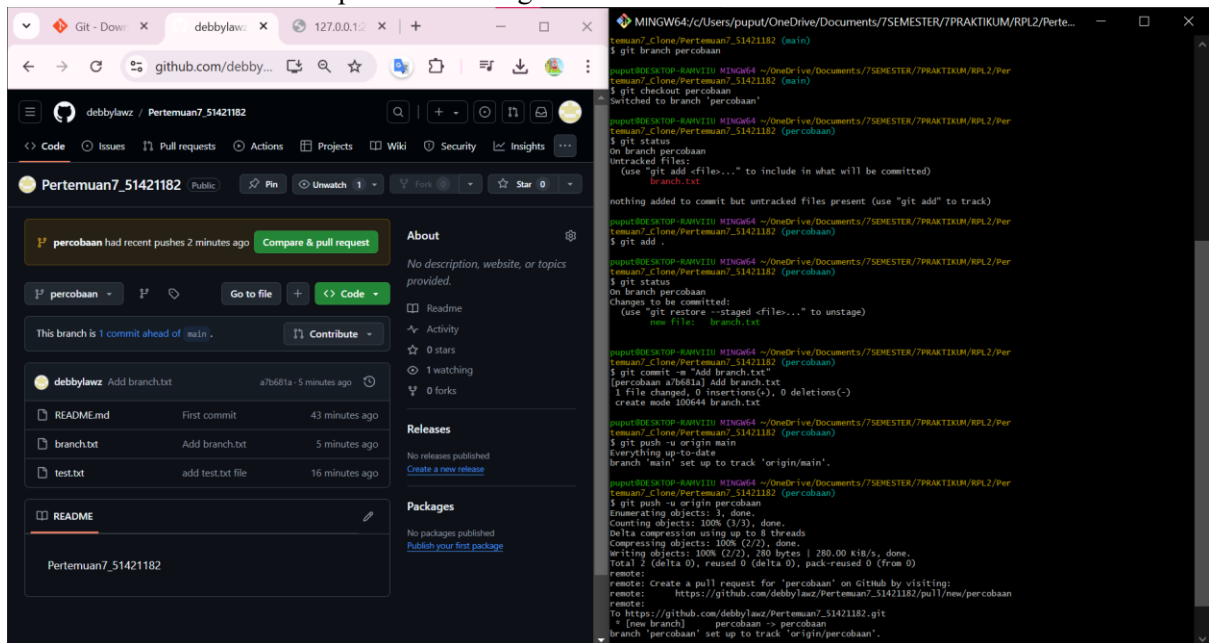
puput@DESKTOP-RAMVIIU MINGW64 ~/OneDrive/Documents/7SEMESTE
R/7PRAKTIKUM/RPL2/Pertemuan7_51421182 (main)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 279 bytes | 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)
$ |
```

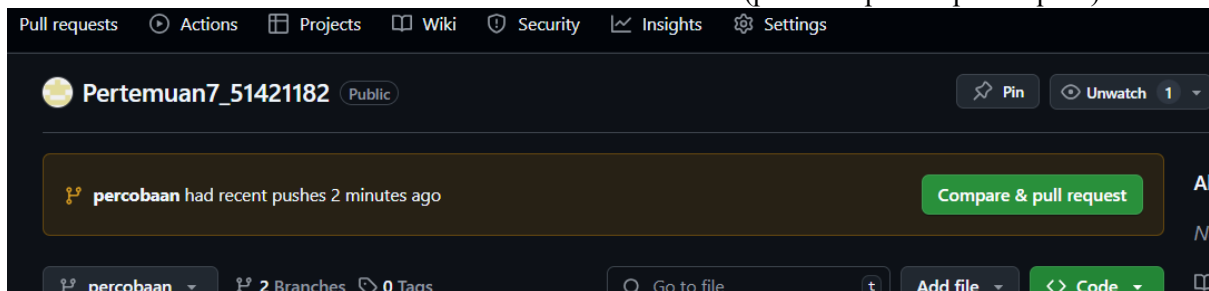
Lalu untuk menambahkan file test.txt pada folder Pertemuan7_Clone. Perlu masuk dulu ke folder Pertemuan7_Clone > Pertemuan7_51421182 melalui GitBash dan pull file test.txt.



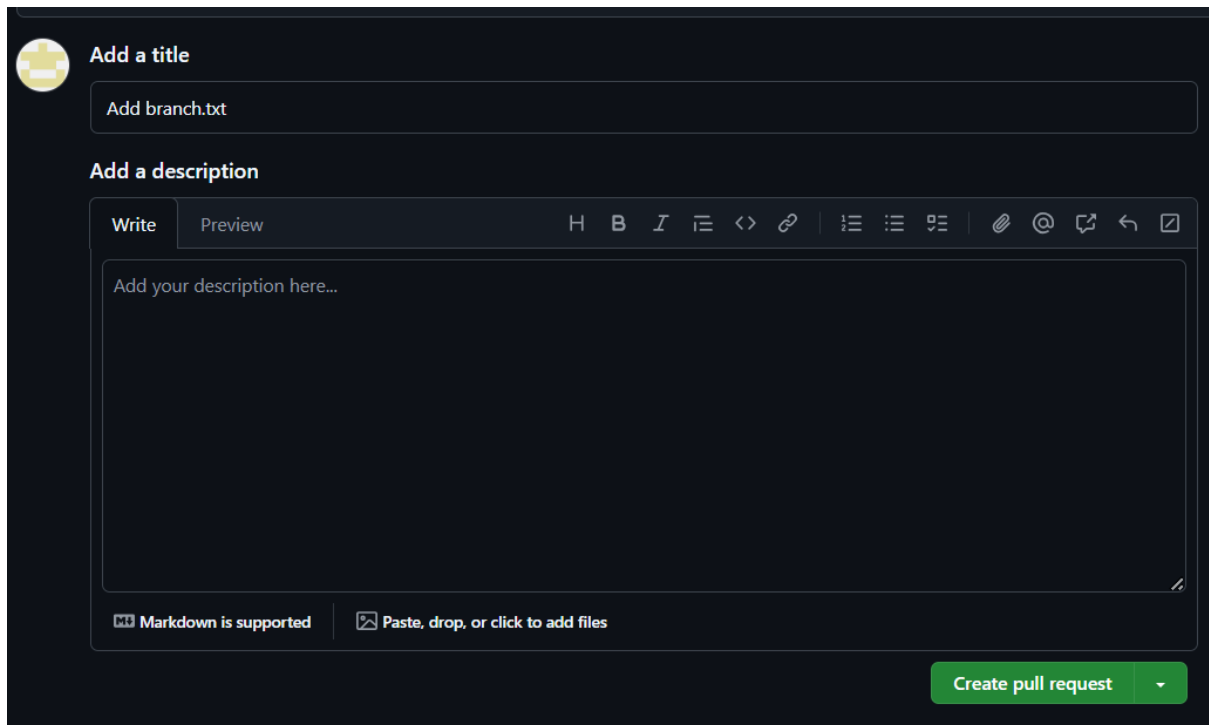
Ketikan pada GitBash agar file branch.txt ada di dalam GitHub



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

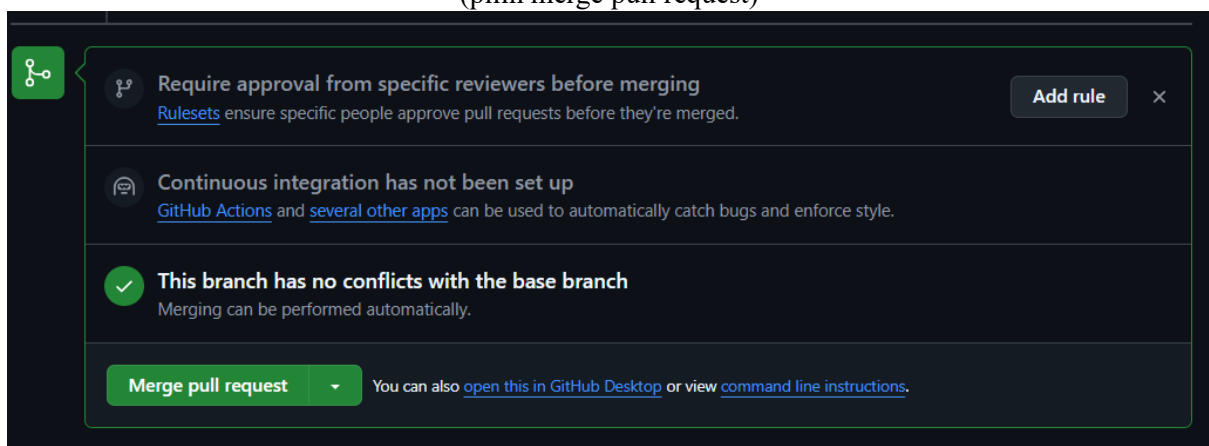


(pilih create pull request)



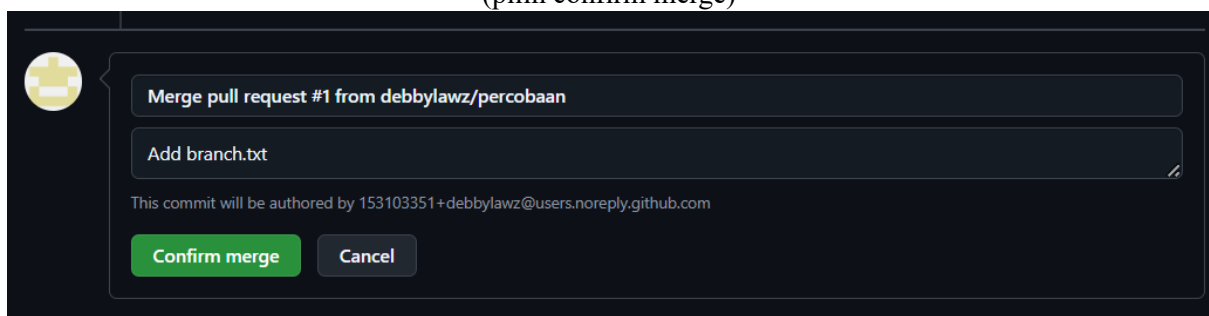
The image shows the GitHub interface for creating a pull request. At the top, there's a section 'Add a title' with a text input field containing 'Add branch.txt'. Below it is the 'Add a description' section, which has a 'Write' tab and a 'Preview' tab. The 'Write' tab is active, showing a rich text editor with a toolbar containing icons for bold, italic, code, link, and other formatting options. The text area contains the placeholder 'Add your description here...'. At the bottom right of the form is a green button labeled 'Create pull request'.

(pilih merge pull request)



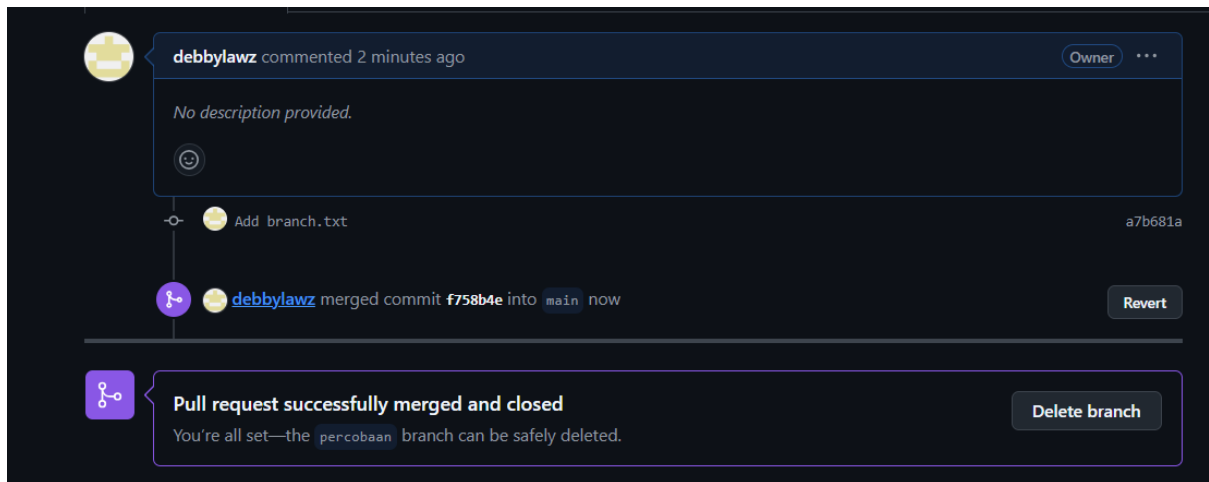
The image shows the status bar of a GitHub pull request. It contains three items: 1. 'Require approval from specific reviewers before merging' with a link to 'Rulesets' and an 'Add rule' button. 2. 'Continuous integration has not been set up' with a link to 'GitHub Actions' and 'several other apps'. 3. 'This branch has no conflicts with the base branch' with a green checkmark icon and the text 'Merging can be performed automatically.' At the bottom left is a green button labeled 'Merge pull request'. To its right is a link: 'You can also open this in GitHub Desktop or view command line instructions.'

(pilih confirm merge)

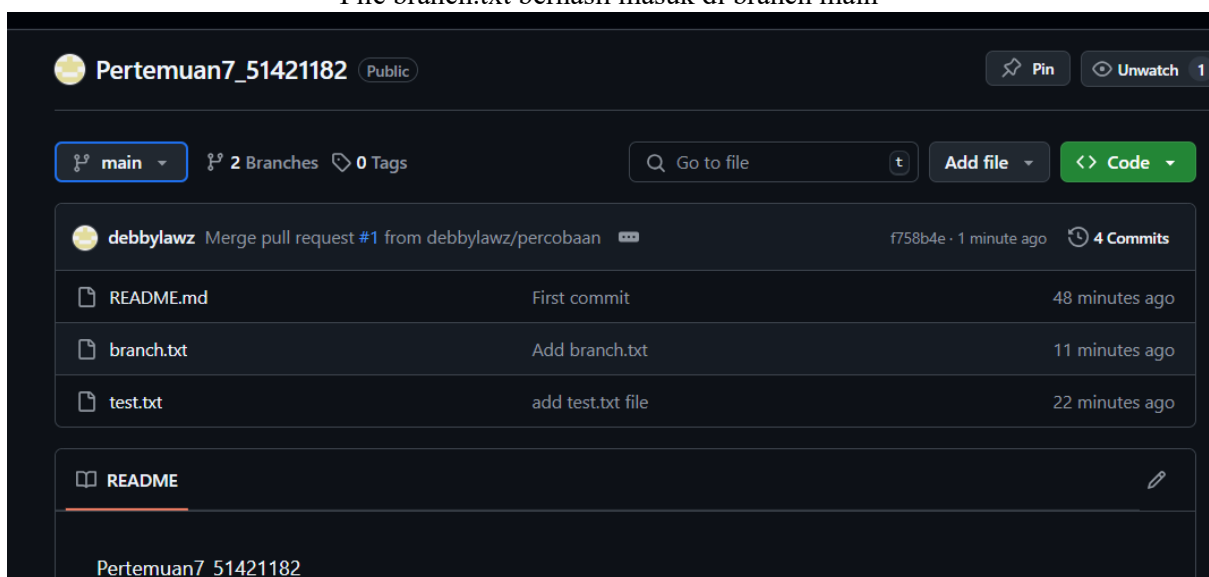


The image shows the 'Confirm merge' dialog in GitHub. It has a title bar 'Merge pull request #1 from debbylawz/percobaan'. Below the title bar is a text input field containing 'Add branch.txt'. Below the input field is a line of text: 'This commit will be authored by 153103351+debbylawz@users.noreply.github.com'. At the bottom are two buttons: a green 'Confirm merge' button and a grey 'Cancel' button.

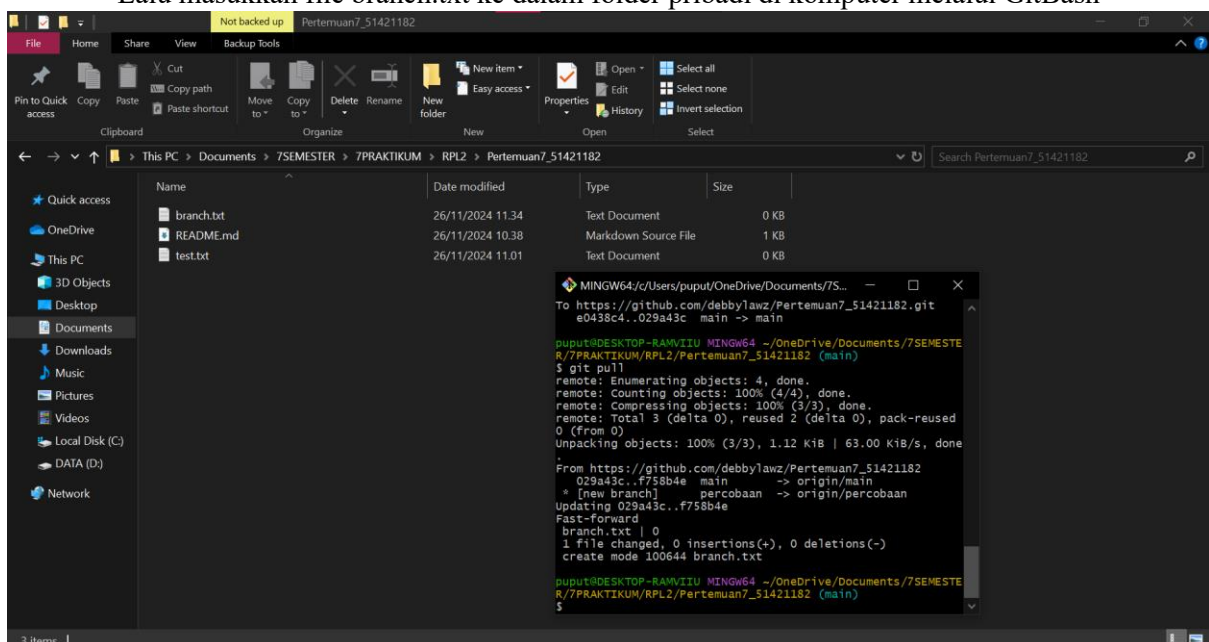
Disini bakal ada merge commit



File branch.txt berhasil masuk di branch main



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



Banyaknya file pada masing-masing folder sudah berhasil disamakan

