Laporan Praktikum II Sistem Version Control dan Kanbar Board

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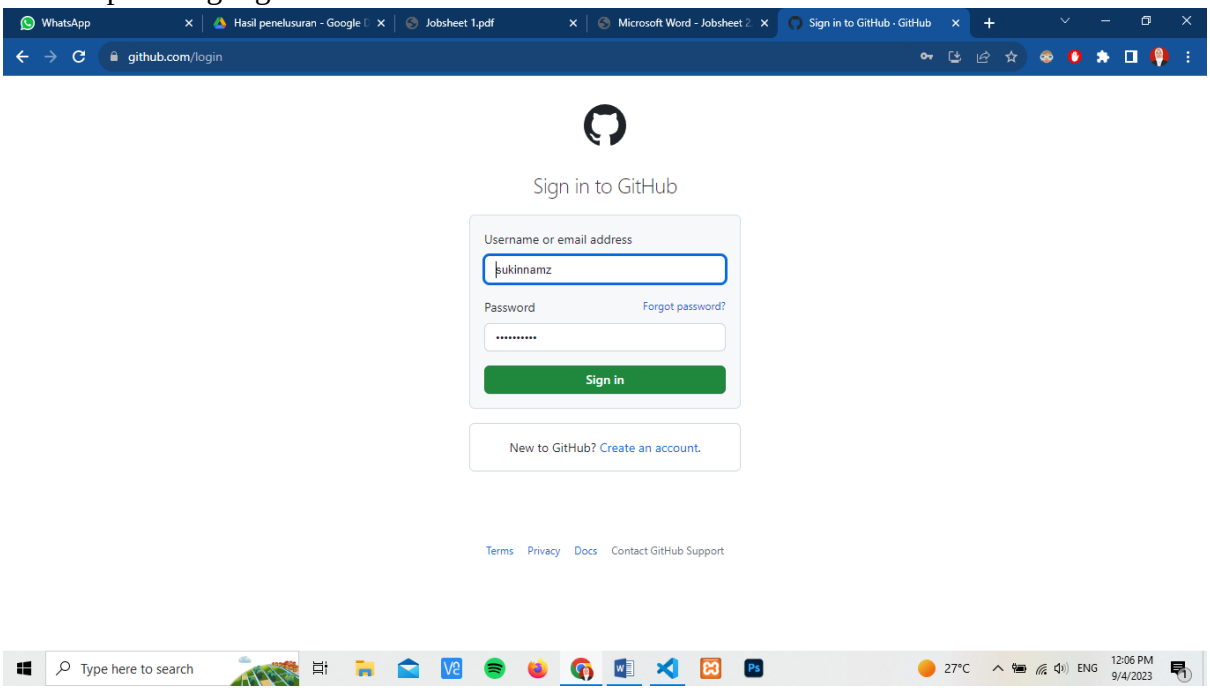
Kelas : 1B

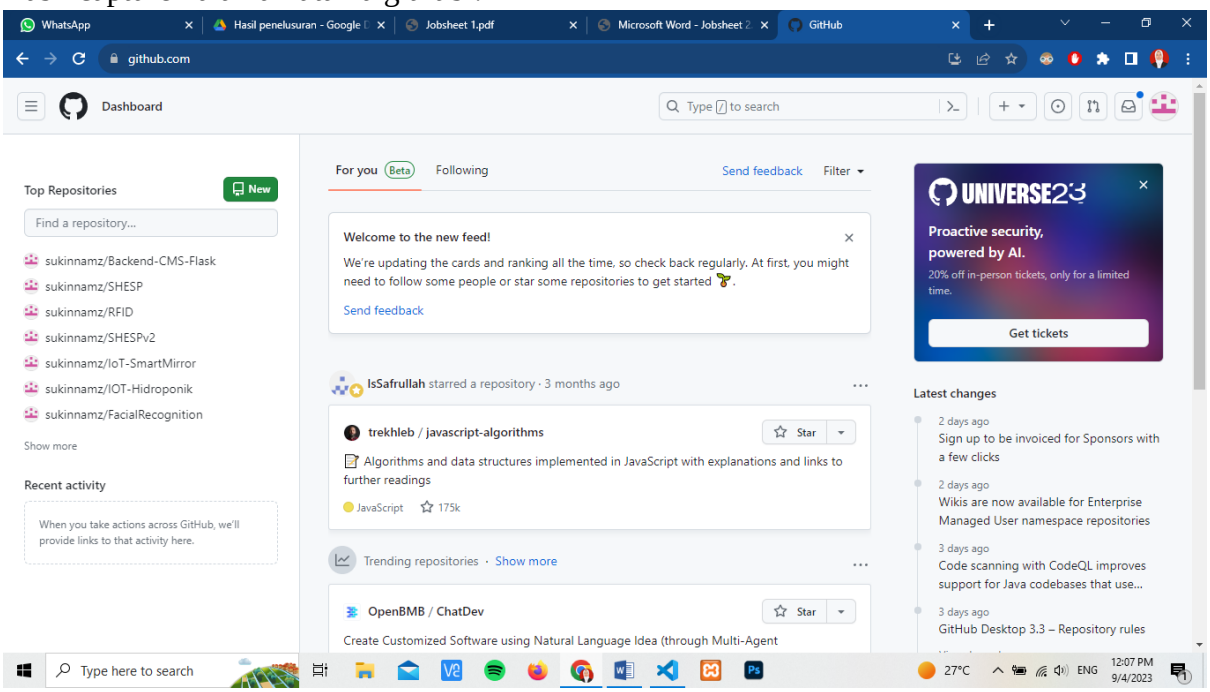
Prodi : D-IV Teknik Informatika

1. Percobaan 1

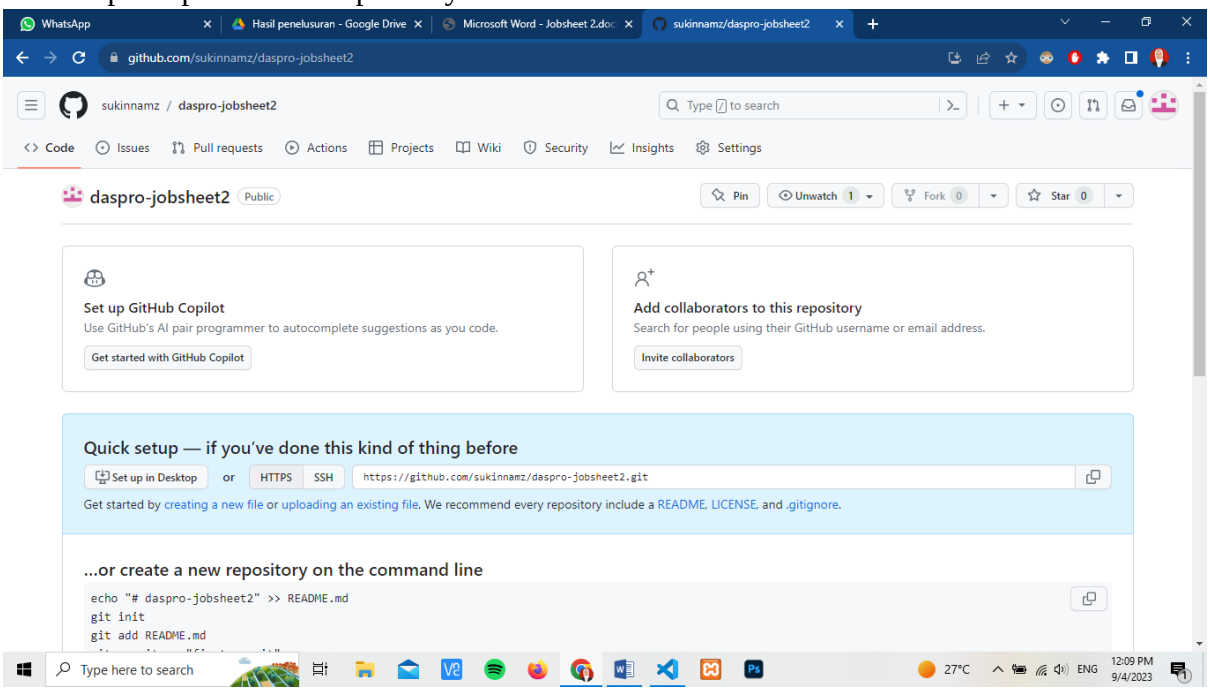
Hasil capture login github :



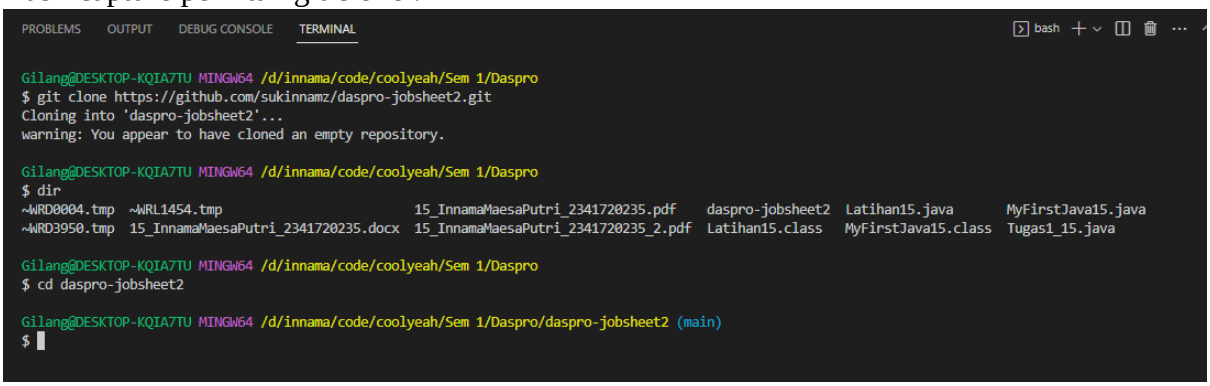
Hasil capture halaman utama github :



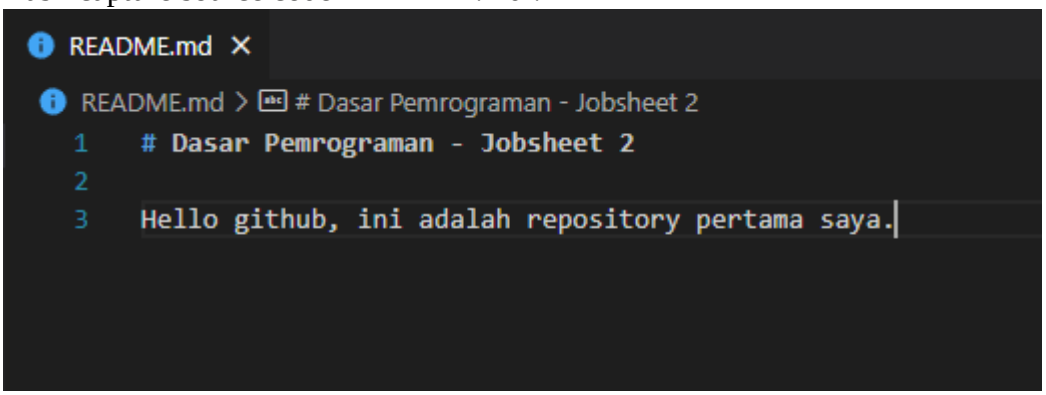
Hasil capture pembuatan repository baru :



Hasil capture perintah git clone :



Hasil capture source code README.md :



Hasil capture perintah git add dang it commit :

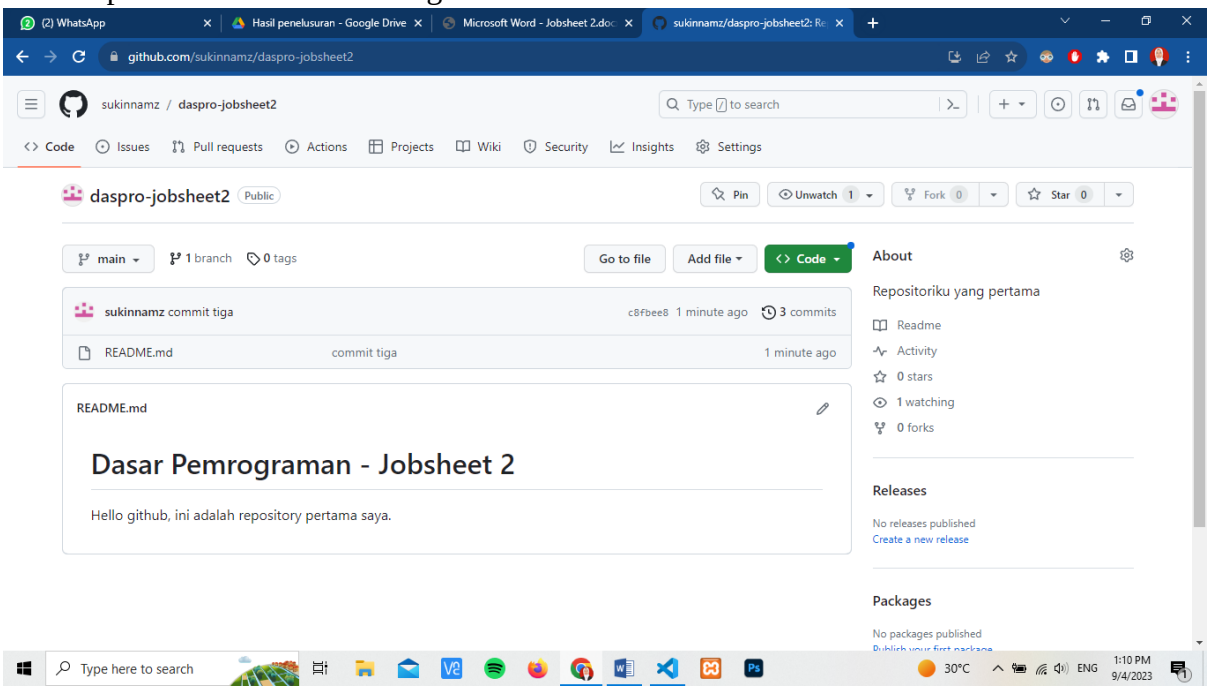
```
Gilang@DESKTOP-KQIA7TU MINGW64 /d/innama/code/coolyeah/Sem 1/Daspro/daspro-jobsheet2 (main)
$ git add .

Gilang@DESKTOP-KQIA7TU MINGW64 /d/innama/code/coolyeah/Sem 1/Daspro/daspro-jobsheet2 (main)
$ git commit -m "commit pertama saya lho"
[main (root-commit) e2c3c3c] commit pertama saya lho
 1 file changed, 1 insertion(+)
 create mode 100644 README.md
```

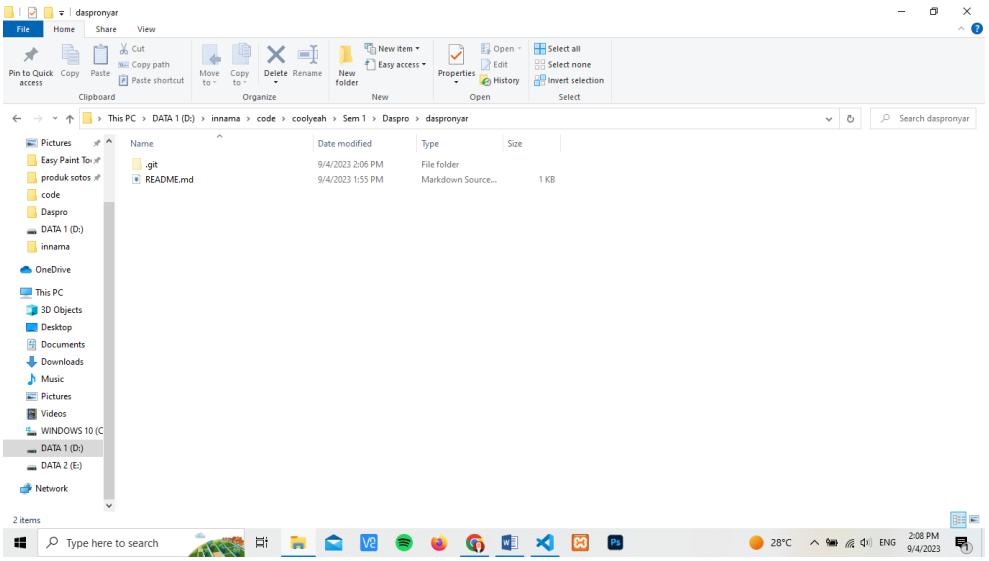
Hasil capture git push :

```
Gilang@DESKTOP-KQIA7TU MINGW64 /d/innama/code/coolyeah/Sem 1/Daspro/daspro-jobsheet2 (main)
$ git push origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 273 bytes | 273.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/sukinnamz/daspro-jobsheet2.git
 * [new branch]      main -> main
```

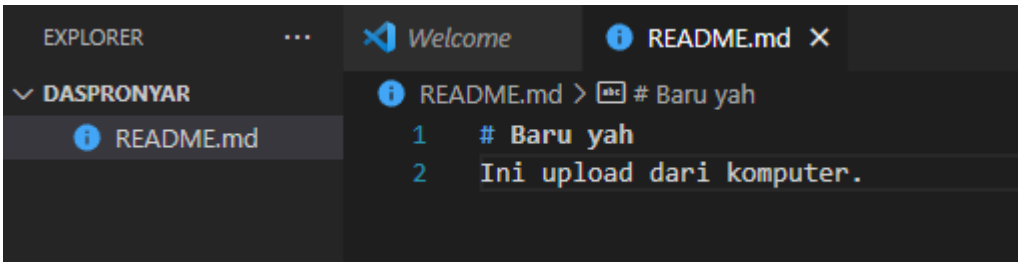
Hasil capture setelah melakukan git commit :



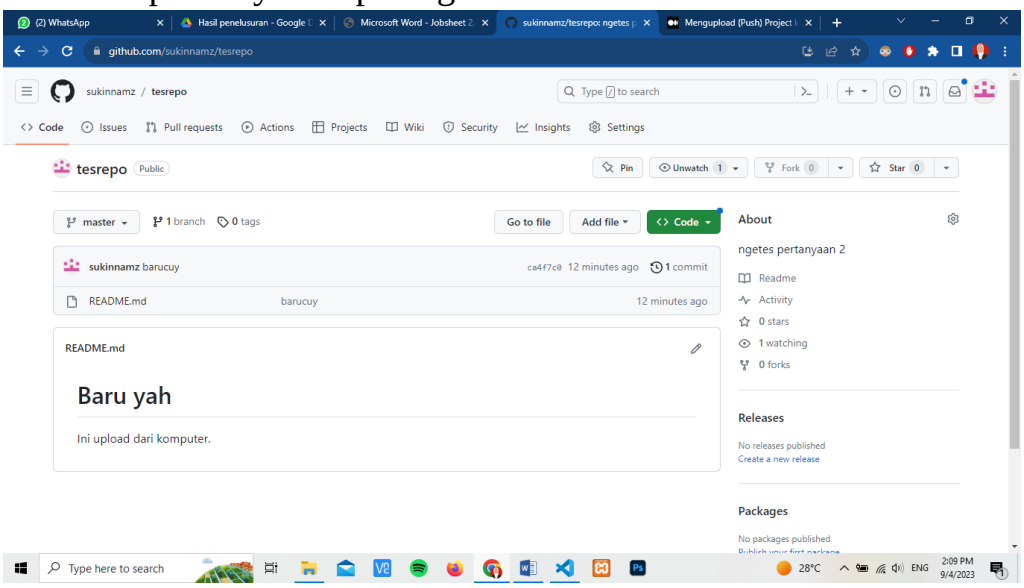
1. Jelaskan perbedaan perintah git commit dan git push?
   Jawab : Git commit digunakan untuk menyimpan perubahan yang telah terjadi pada repository sedangkan git push digunakan mengupload perubahan yang telah dilakukan ke repository github online.
2. Apakah bisa alurnya dibalik, membuat folder atau projek terlebih dahulu kemudian upload (push) ke Github? Jika bisa, buktikan!
   Jawab : Bisa, dengan langkah-langkah sebagai berikut :
   1. Buat folder baru di komputer



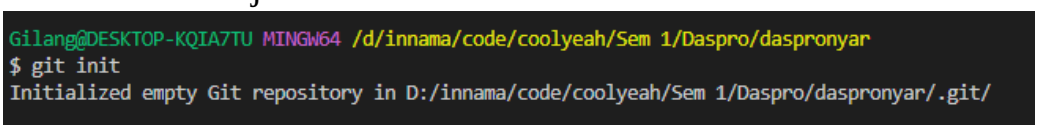
2. Tambahkan file readme dalam folder tersebut



3. Buat repository baru pada github



4. Ketikkan perintah git init untuk menjadikan folder yang telah dibuat menjadi folder master



5. Ketikkan perintah git add . untuk menambahkan file dalam folder

```
Gilang@DESKTOP-KQIA7TU MINGW64 /d/innama/code/coolyeah/Sem 1/Daspro/daspronyar (master)
$ git add .
```

6. Ketikkan git commit untuk menyimpan perubahan pada repository

```
Gilang@DESKTOP-KQIA7TU MINGW64 /d/innama/code/coolyeah/Sem 1/Daspro/daspronyar (master)
$ git commit -m "barucuy"
[master (root-commit) ca4f7c0] barucuy
 1 file changed, 2 insertions(+)
 create mode 100644 README.md
```

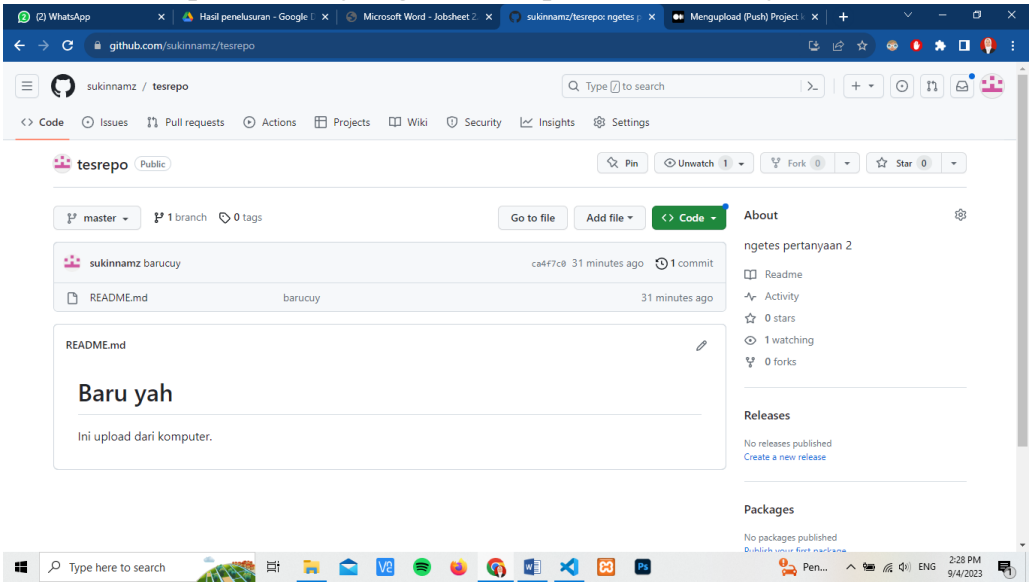
7. Ketikkan git remote add untuk menambah file pada repository

```
Gilang@DESKTOP-KQIA7TU MINGW64 /d/innama/code/coolyeah/Sem 1/Daspro/daspronyar (master)
$ git remote add dasprobaru https://github.com/sukinnamz/tesrepo.git
```

8. Ketikkan git push untuk mengupload perubahan pada repository

```
Gilang@DESKTOP-KQIA7TU MINGW64 /d/innama/code/coolyeah/Sem 1/Daspro/daspronyar (master)
$ git push -u dasprobaru master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 251 bytes | 251.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/sukinnamz/tesrepo.git
 * [new branch]      master -> master
branch 'master' set up to track 'dasprobaru/master'.
```

9. Akan terupload file yang telah di push sebelumnya



2. Percobaan 2

Membuat branch baru :

```
Gilang@DESKTOP-KQIA7TU MINGW64 /d/innama/code/coolyeah/Sem 1/Daspro/daspro-jobsheet2 (main)
$ git branch devel
```

Mengganti branch main ke branch devel :

```
Gilang@DESKTOP-KQIA7TU MINGW64 /d/innama/code/coolyeah/Sem 1/Daspro/daspro-jobsheet2 (main)
$ git checkout devel
Switched to branch 'devel'
```

Membuat file java :

README.md | MyFirstJavaGithub15.java U

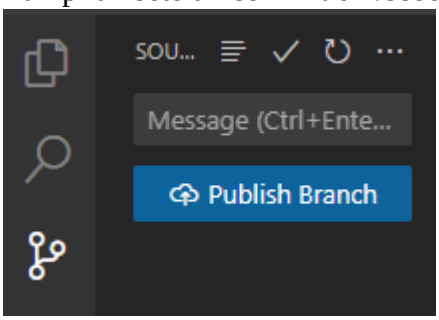
MyFirstJavaGithub15.java > MyFirstJavaGithub15 > main(String[])

```
1  public class MyFirstJavaGithub15 {
       Run | Debug
2      public static void main(String[] args) {
3          System.out.println(x:"Hello from github");
4      }
5  }
```

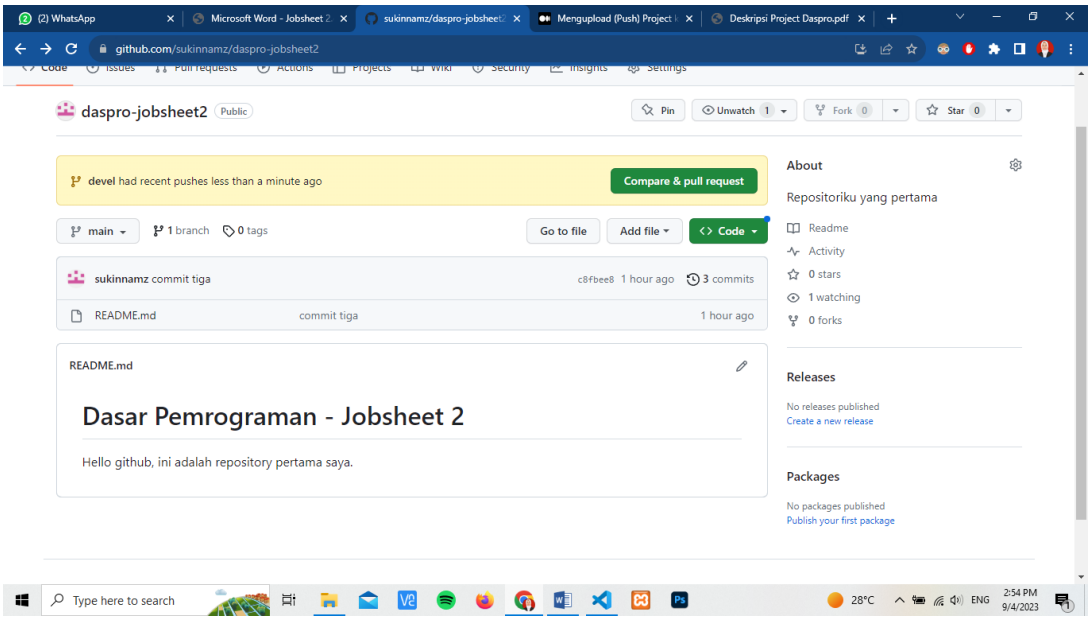
Output java :

```
PS D:\innama\code\coolyeah\Sem 1\Daspro\daspro-jobsheet2>
'-cp' 'C:\Users\Gilang\AppData\Roaming\Code\User\workspac
yFirstJavaGithub15'
Hello from github
```

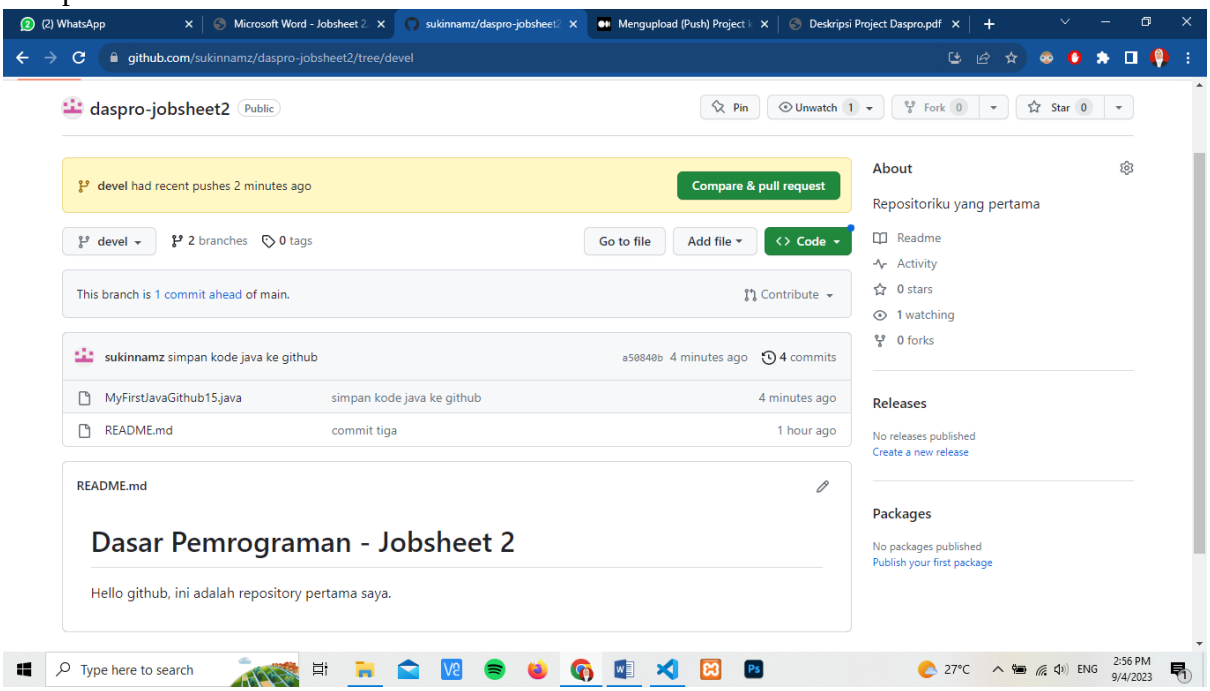
Tampilan setelah commit di vscode :



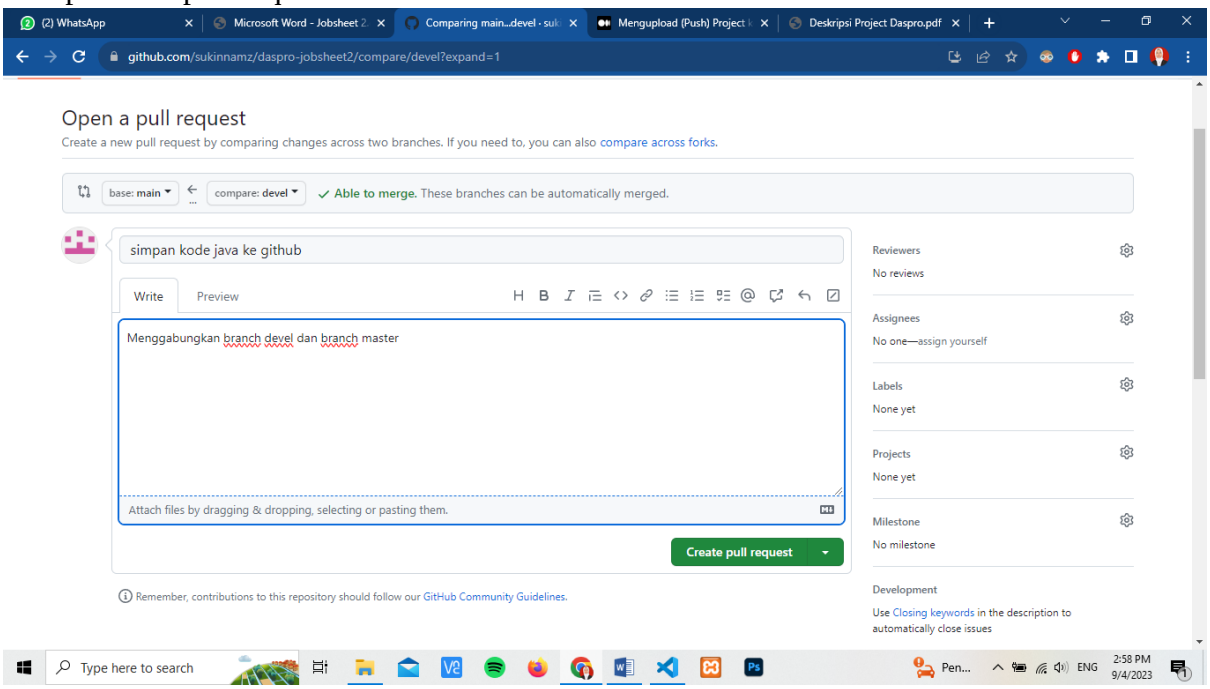
Publish branch :



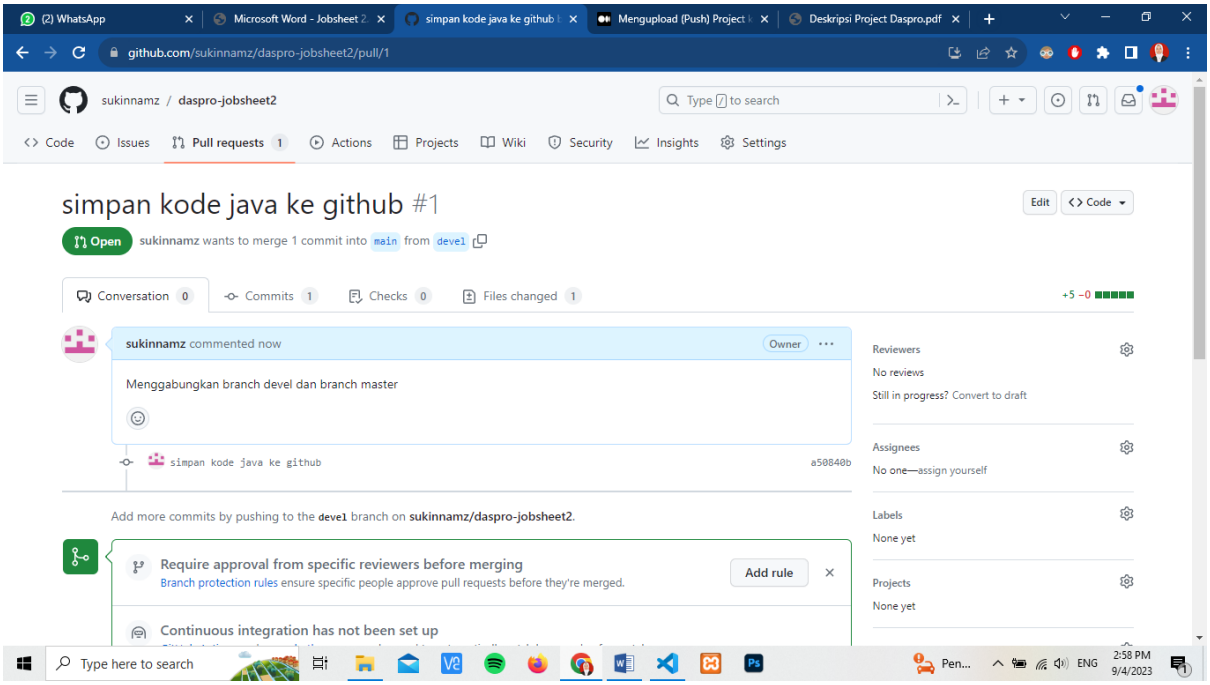
Tampilan branch devel :



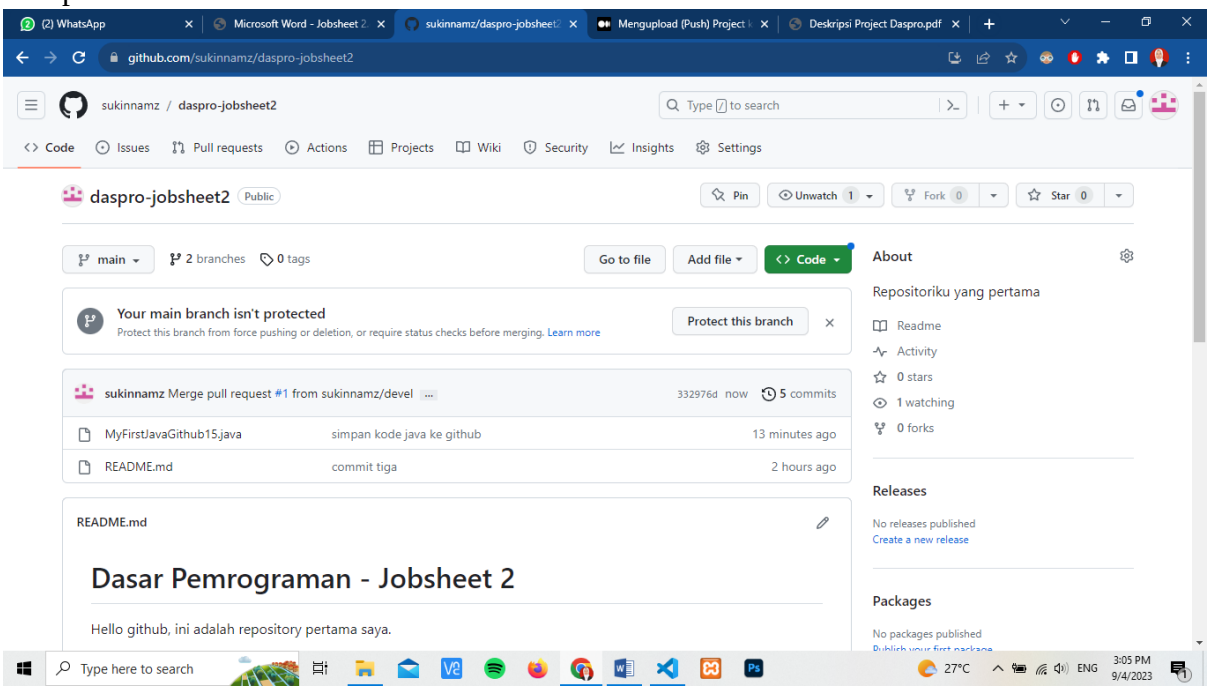
Compare and pull request :



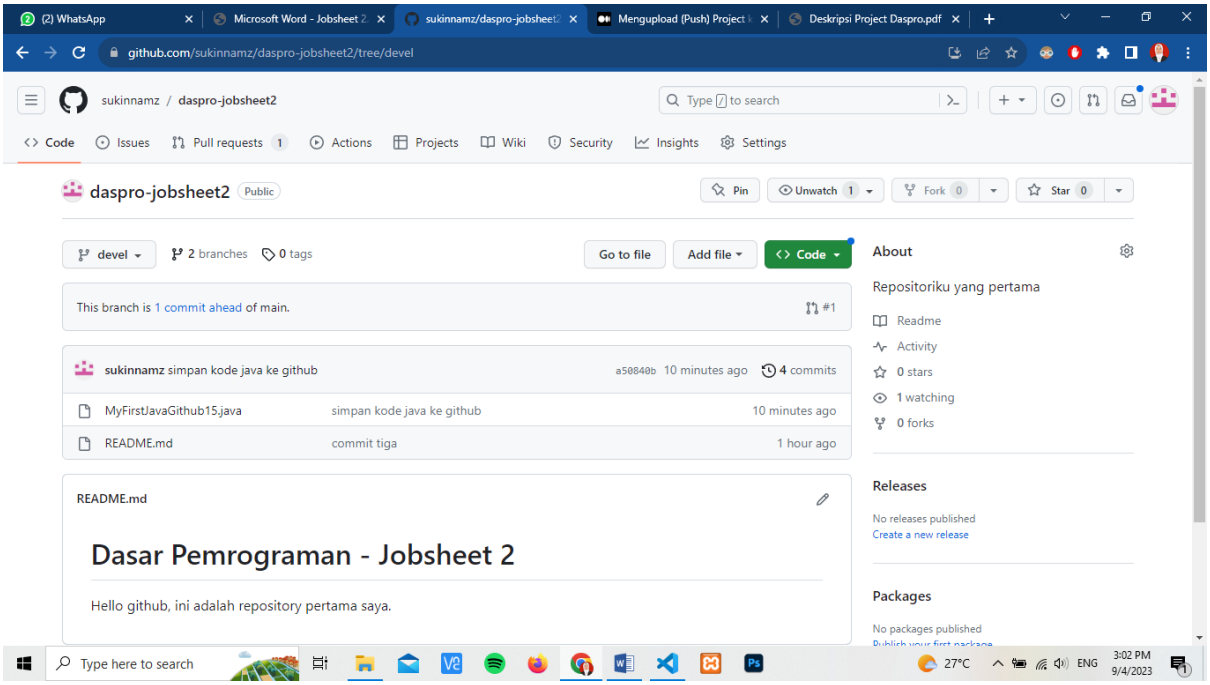
Tampilan pull request :



Tampilan branch main :



Tampilan branch devel :



1. Jelaskan fungsi dari Pull requests!
   Untuk tempat mengkonfirmasi suatu perubahan dari branch lain sebelum ditambahkan ke branch main.
2. Mengapa kita perlu membuat sebuah branch, manfaatnya apa?
   Ketika berkolaborasi agar ketika menyimpan perubahan tidak langsung ke branch main agar code utama kita tetap aman