PRAKTIKUM SISTEM OPERASI MODUL 1



Disusun Oleh:

NAMA: SURYA SUMIRAT

NIM : L200190217

KELAS : F

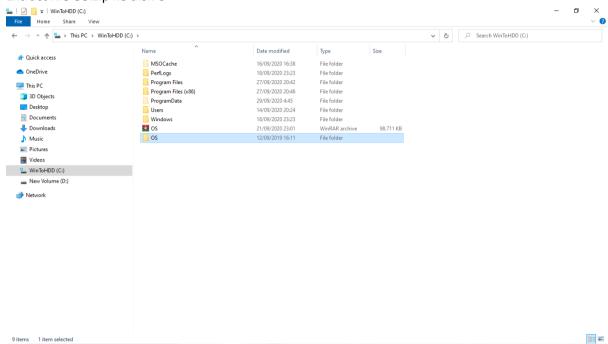
INFORMATIKA

FAKULTAS KOMUNIKASI DAN INFORMATIKA
UNIVERSITAS MUHAMMADIYAH SURAKARTA
2020 / 2021

Langkah Kerja

Menuju ke Direktori Kerja

1. Extract file OS.zip ke disk C



2. Jalankan program "Command Promp" atau "cmd". Kemudian ketik C:\OS (enter)



3. ketik perintah 'dir' untuk melihat isi folder OS

```
## Stressoft Microsoft Corporation. All rights reserved.

C:\Users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underli
```

4. ketik perintah 'setpath' untuk menjalankan setpath

5. Menuju ke folder LAB1 dengan perintah 'cd LAB\LAB1'

```
### Comparison 10-0-18363.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

**C.Uusers\Auss_amb>cd c:\OS

**Logory of c:\OS
```

6. Ketik perintah 'dir' untuk melihat isi folder LAB1

```
C:\OS\dIP
C:\OS\dIP
C:\OS\dIP
C:\OS\dIP
C:\OS\dIP
C:\OS\dIP
C:\OS\dIP
Column in drive C is MinroHD
Volume serial Number is 7436-E297

Directory of C:\OS
Directory of C:\OS\dIP
Directory of C:\OS\d
```

7. Ketik perintah 'del floppya.img' untuk menghapus file floppy.img

8. Untuk melakukan kompilasi source code program 'boot.asm' dengan perintah 'make fp.disk' lalu akan muncul output boot.bin yang isinya disalin ke floppy.img

9. Ketik perintah 'bximage' untuk membuat file floppy.img baru

10. Ketik 'fd' untuk memilih type file fd karena yang lebih kecil

11. Pilih type flppy dengan kapasitas 1.44 MB dengan mengetik '1.44'

12. Ketik 'floppya.img' untuk memberi nama image

13. Ketik perintah 'yes' untuk me-replace floppya.img lama dengan yang baru

```
Command Prompt

CVOSTUBELIES assiste fp. disk

CVOSTUBELIES assiste fp. disk

CVOSTUBELIES assiste fp. disk

disf-boot. Alls is find

disf-boot. Alls is find

disf-boot. Alls is find

disf-boot. Alls is find

mitten by John Newbight of pight. swim.edu.au>

This program is covered by the GPL. See copying.txt for details

lew records out

Disk image Covered by the GPL. See copying.txt for details

lew records out

Disk image Covered by the GPL. See copying.txt for details

lew records out

Disk image Covered by the GPL. See copying.txt for details

lew records out

Do you want to create a floppy disk image or a hand disk image?

Please type hd or di. [Ind] fd

Choose the size of floppy disk image to create, in megabytes.

Please type 9.16, 0.18, 0.32, 0.36, 0.72, 1.2, 1.44, 1.68, 1.72, or 2.88.

I will create a floppy mage with

(yl-180

sectors per track-18

total bytes-1874560

Mat should I name the image?

[a-img] floppya-img

The disk image 'floppya-ing' already exists. Are you sure you want to replace it?

please type yes or no. [no] yes

Ariting: [] Done.

I wrote 1474560 bytes to floppya-ing, status-inserted

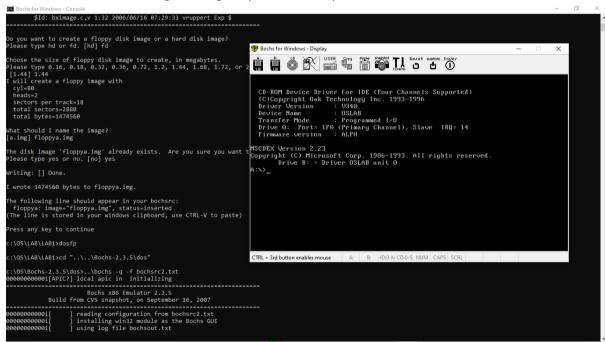
(The line is stored in your windows clipboard, use CTRL-V to paste)

Press any key to continue

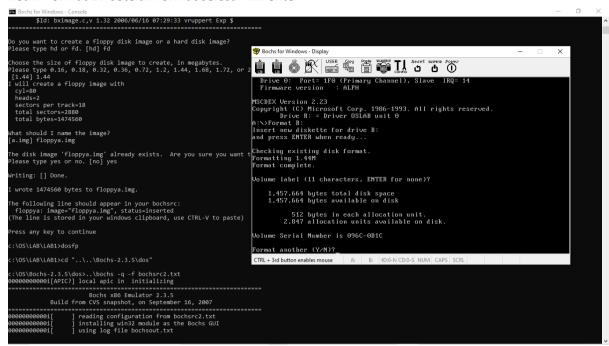
CVOSUABALBASI

CVOSUABALBASI
```

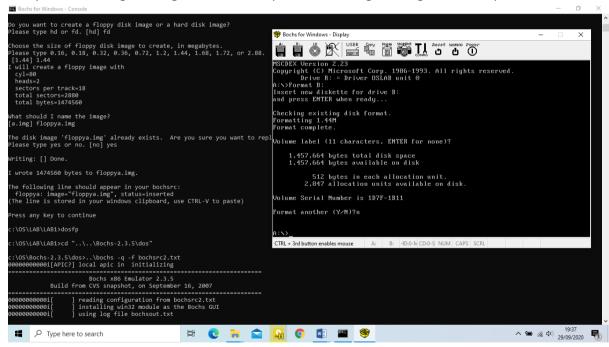
14. Jalankan PC-Simulator dengan mengetik perintah 'dosfp'



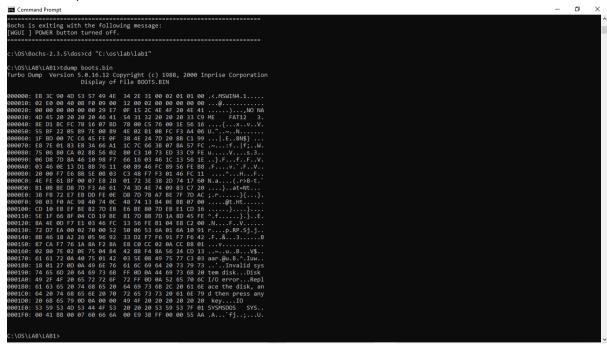
15. Ketik 'Format B:' setelah format selesai klik enter



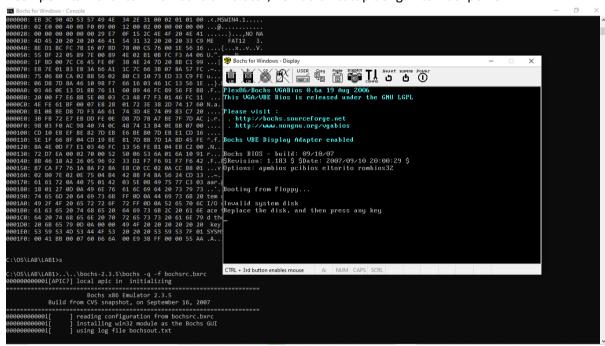
16. Tutup kembali dengan mengetik 'n' lalu tutup simulator dengan mengklik tombol power



17. Ketik 'tdump boots.bin' untuk memindah data



18. Ketik perintah 's' untuk membuka simulator, kemudian tutup dengan tombol power



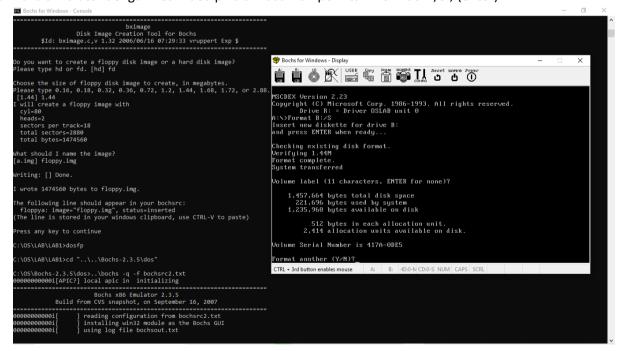
19. Boot invalid karena floppy.img belum diisi system file atau kernel, kemudian ketik perintah 'del floppy.img',untuk membuat img baru dengan perintah 'bximage' lalu pilih type fd dan ukuran 1.44 MB. Lalu beri nama 'floppy.img'

```
The Command Prompt

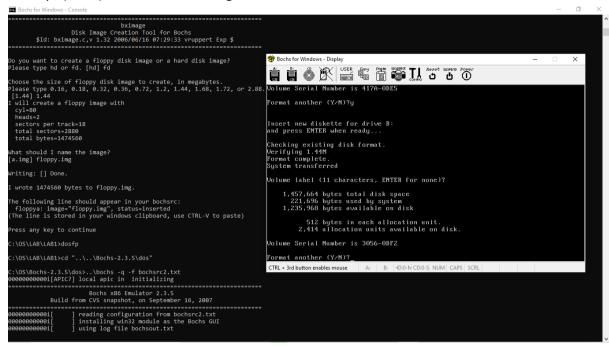
December of the Command Prompt

December o
```

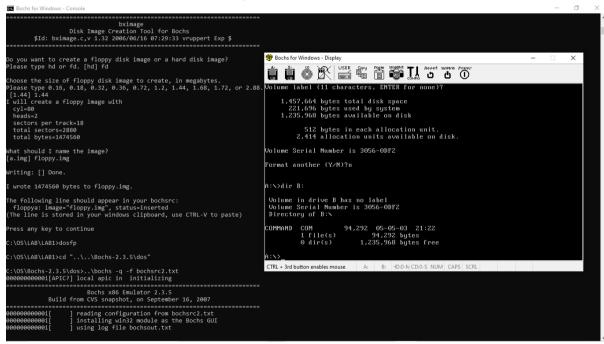
20. Buka simulator dengan ketik 'dosfp' lalu masukkan perintah 'Format B:/S', (enter)



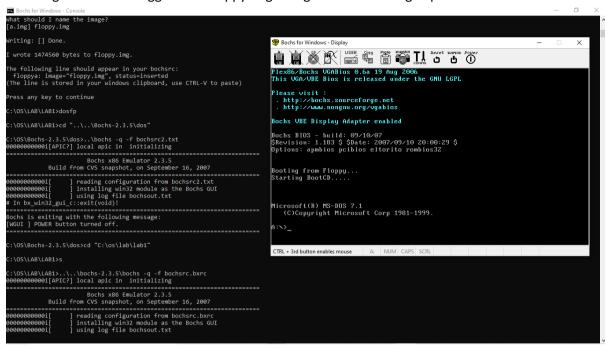
21. Ketik 'y', (enter) untuk menformat lagi



22. karena format selesai, lalu ketik 'n', untuk mengecek bahwa floppy.img telah terisi system file ketik 'dir B:' lalu klik tombol power off.



23. sekarang mencoba menggunakan floppy.img sebagai boot.disk dengan perintah 's'



24. Selesai.