LAPORAN PRAKTIKUM SISTEM OPERASI

MODUL 1

PENGENALAN SISTEM PENGEMBANGAN OS DENGAN PC SIMULATOR ‘BOSCH’

TIARA KARTIKA

L200190124

PRAKTIKUM SO D

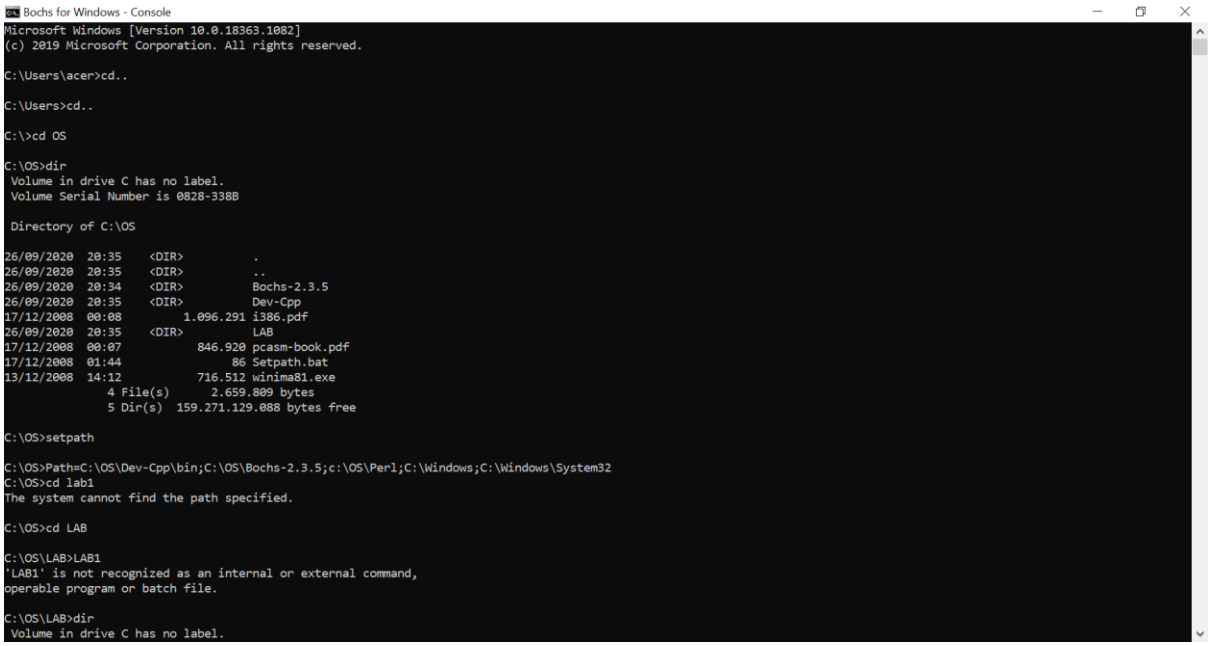
INFORMATIKA

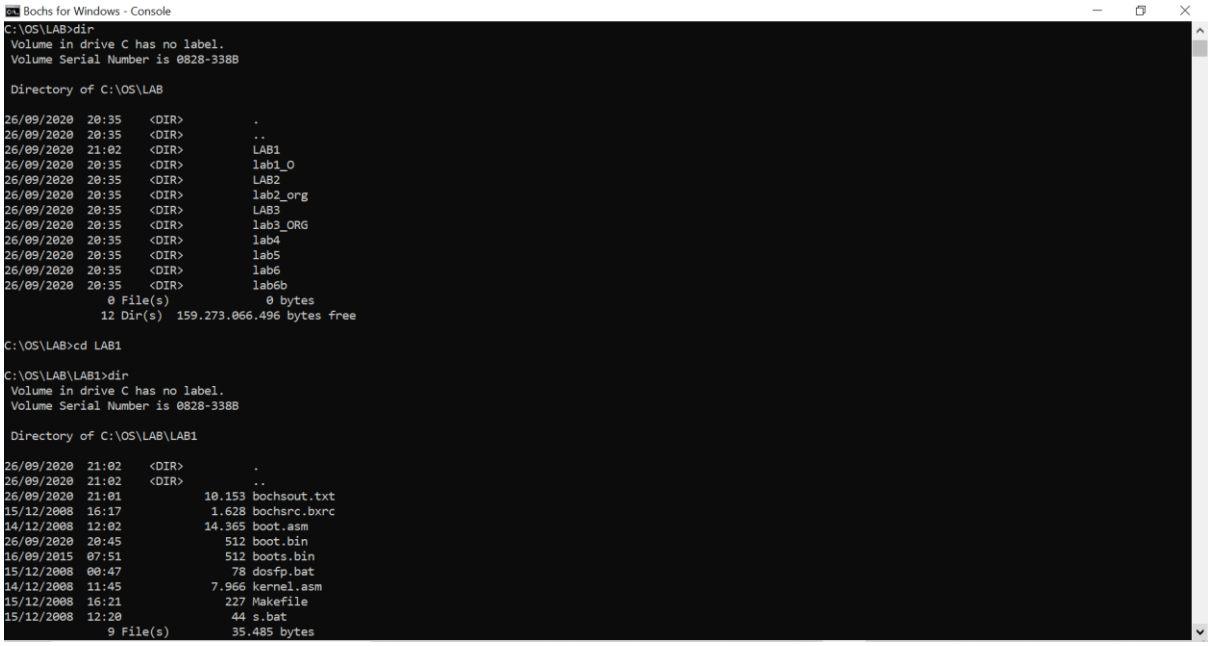
KOMUNIKASI DAN INFORMATIKA

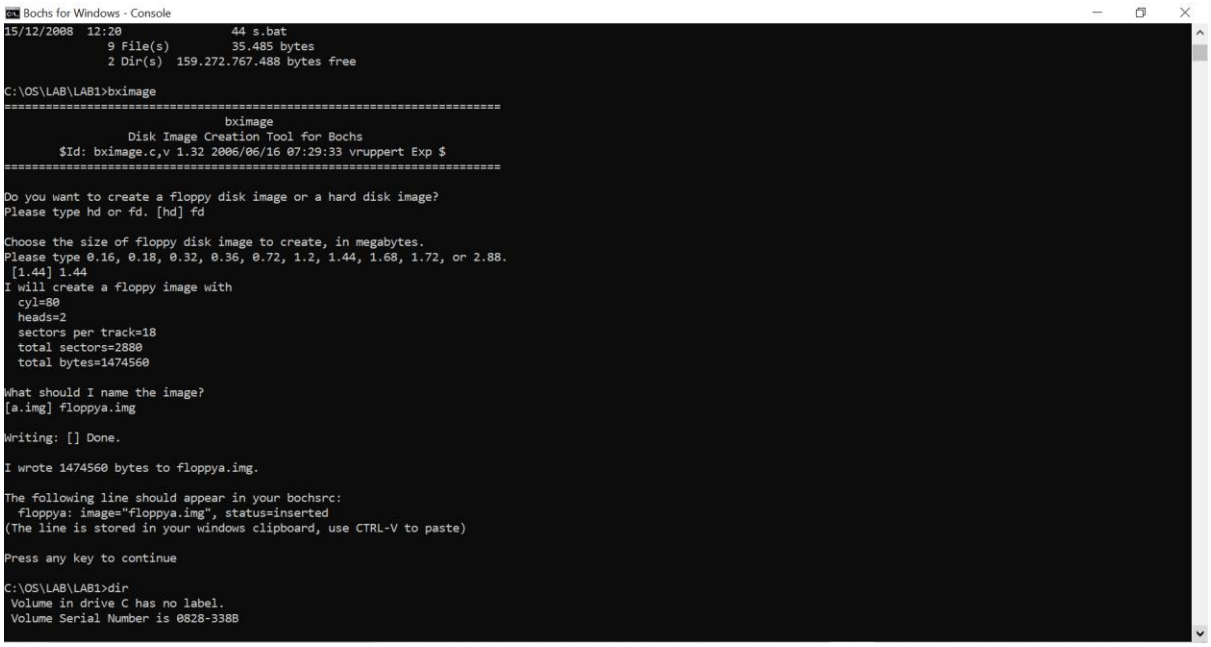
UNIVERSITAS MUHAMMADIYAH SURAKARTA

2020

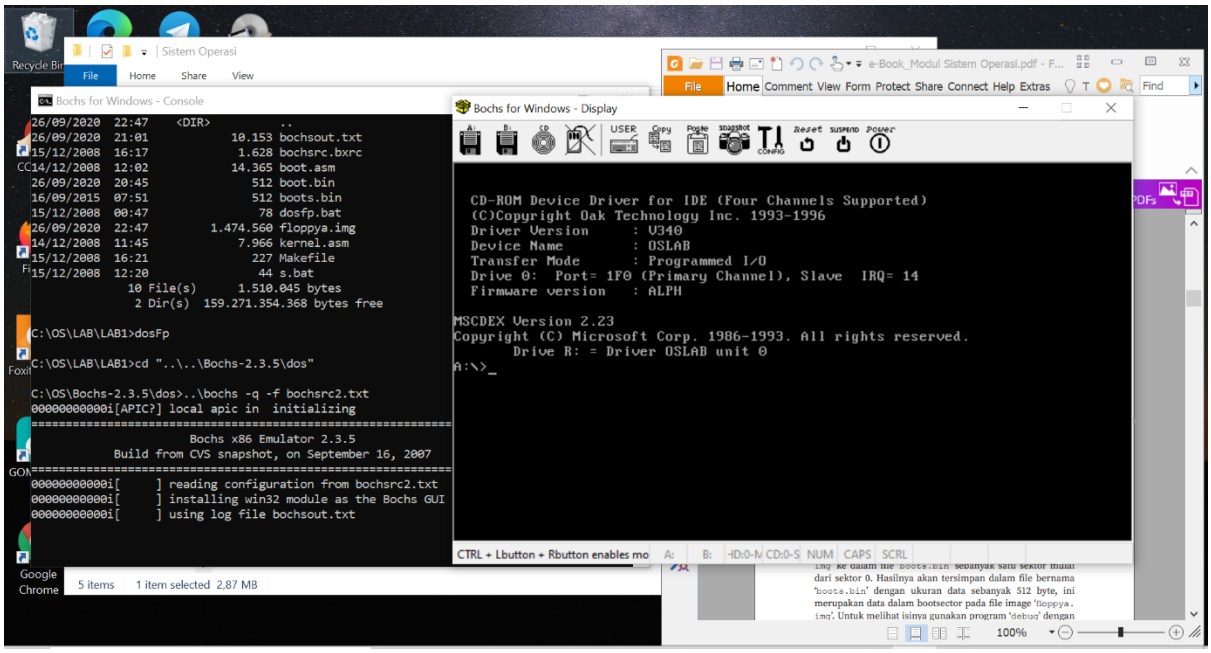
HASIL KEGIATAN MODUL 1 :







Membuka Bochs



```
Bochs for Windows - Console

 Directory of C:\OS\LAB\LAB1

26/09/2020  22:47    <DIR>          .
26/09/2020  22:47    <DIR>          ..
26/09/2020  21:01            10.153 bochsout.txt
15/12/2008  16:17             1.628 bochsrc.bxrc
14/12/2008  12:02            14.365 boot.asm
26/09/2020  20:45               512 boot.bin
16/09/2015  07:51               512 boots.bin
15/12/2008  00:47                78 dosfp.bat
26/09/2020  22:47         1.474.560 floppya.img
14/12/2008  11:45             7.966 kernel.asm
15/12/2008  16:21               227 Makefile
15/12/2008  12:20                44 s.bat
              10 File(s)      1.510.045 bytes
               2 Dir(s)  159.271.354.368 bytes free

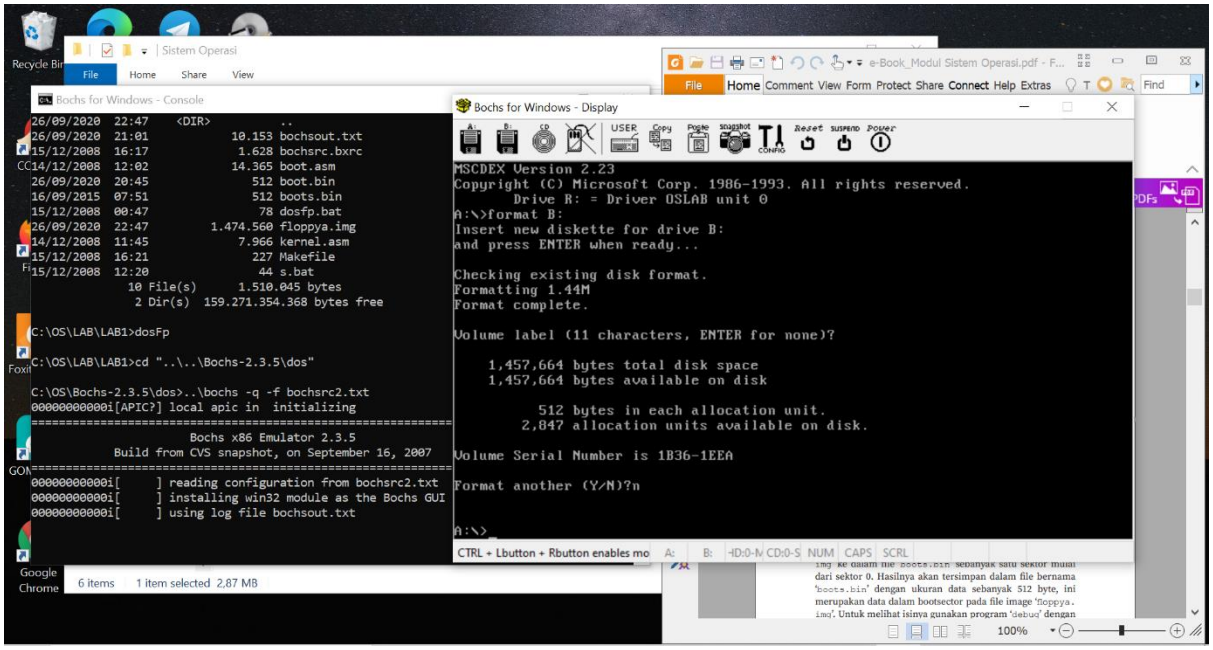
C:\OS\LAB\LAB1>dosFp

C:\OS\LAB\LAB1>cd "..\..\Bochs-2.3.5\dos"

C:\OS\Bochs-2.3.5\dos>..\bochs -q -f bochsrc2.txt
00000000000i[APIC?] local apic in  initializing
========================================================================
                       Bochs x86 Emulator 2.3.5
            Build from CVS snapshot, on September 16, 2007
========================================================================
00000000000i[     ] reading configuration from bochsrc2.txt
00000000000i[     ] installing win32 module as the Bochs GUI
00000000000i[     ] using log file bochsout.txt
# In bx_win32_gui_c::exit(void)!
========================================================================
Bochs is exiting with the following message:
[WGUI ] POWER button turned off.
========================================================================

C:\OS\Bochs-2.3.5\dos>cd "C:\os\lab\lab1"

C:\OS\LAB\LAB1>dd if=floppya.img of=boots.bin count=1
rawwrite dd for windows version 0.5.
```

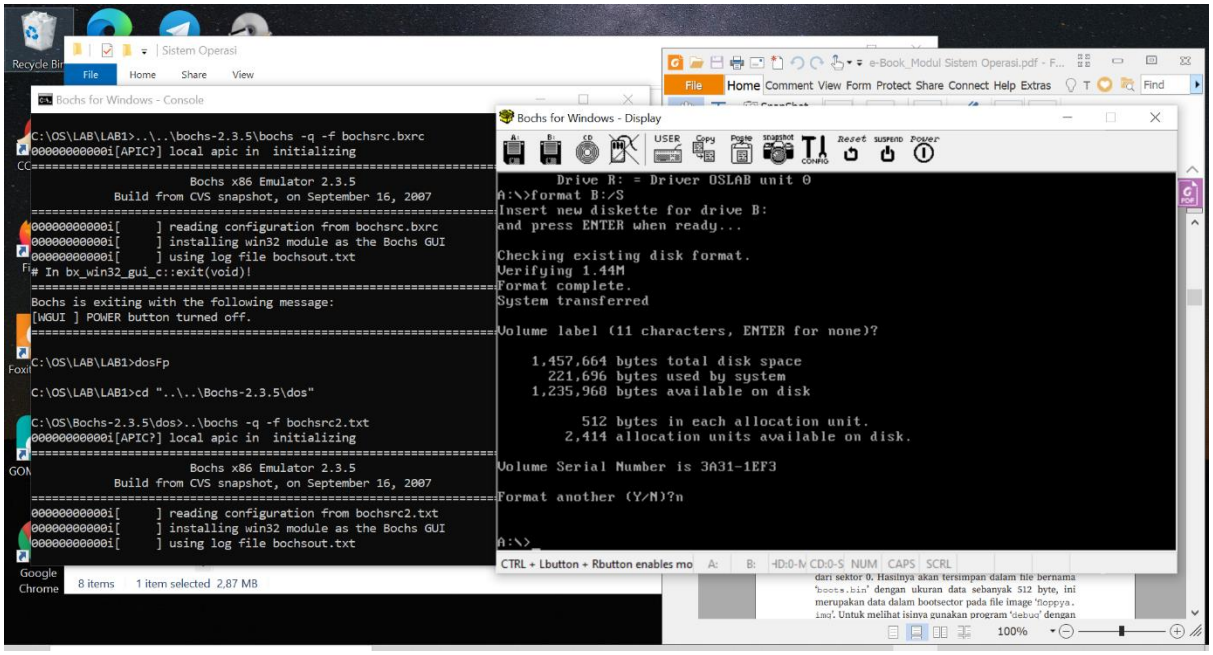


```
Bochs for Windows - Console
C:\OS\LAB\LAB1>dd if=floppya.img of=boots.bin count=1
rawwrite dd for windows version 0.5.
Written by John Newbigin <jn@it.swin.edu.au>
This program is covered by the GPL.  See copying.txt for details
1+0 records in
1+0 records out

C:\OS\LAB\LAB1>debug boots.bin
'debug' is not recognized as an internal or external command,
operable program or batch file.

C:\OS\LAB\LAB1>tdump boots.bin
Turbo Dump  Version 5.0.16.12 Copyright (c) 1988, 2000 Inprise Corporation
                  Display of File BOOTS.BIN

000000: EB 3C 90 4D 53 57 49 4E  34 2E 31 00 02 01 01 00 .<.MSWIN4.1.....
000010: 02 E0 00 40 0B F0 09 00  12 00 02 00 00 00 00 00 ...@............
000020: 00 00 00 00 00 00 29 EA  1E 36 1B 4E 4F 20 4E 41 ......)..6.NO NA
000030: 4D 45 20 20 20 20 46 41  54 31 32 20 20 20 33 C9 ME    FAT12   3.
000040: 8E D1 BC FC 7B 16 07 BD  78 00 C5 76 00 1E 56 16 ....{...x..v..V.
000050: 55 BF 22 05 89 7E 00 89  4E 02 B1 0B FC F3 A4 06 U."..~..N.......
000060: 1F BD 00 7C C6 45 FE 0F  38 4E 24 7D 20 8B C1 99 ...|.E..8N$} ...
000070: E8 7E 01 83 EB 3A 66 A1  1C 7C 66 3B 07 8A 57 FC .~...:f..|f;..W.
000080: 75 06 80 CA 02 88 56 02  80 C3 10 73 ED 33 C9 FE u.....V....s.3..
000090: 06 D8 7D 8A 46 10 98 F7  66 16 03 46 1C 13 56 1E ..}.F...f..F..V.
0000A0: 03 46 0E 13 D1 8B 76 11  60 89 46 FC 89 56 FE B8 .F....v.`.F..V..
0000B0: 20 00 F7 E6 8B 5E 0B 03  C3 48 F7 F3 01 46 FC 11  ....^...H...F..
0000C0: 4E FE 61 BF 00 07 E8 28  01 72 3E 38 2D 74 17 60 N.a....(.r>8-t.`
0000D0: B1 0B BE D8 7D F3 A6 61  74 3D 4E 74 09 83 C7 20 ....}..at=Nt...
0000E0: 3B FB 72 E7 EB DD FE 0E  D8 7D 7B A7 BE 7F 7D AC ;.r......}{...}.
0000F0: 98 03 F0 AC 98 40 74 0C  48 74 13 B4 0E BB 07 00 .....@t.Ht......
000100: CD 10 EB EF BE 82 7D EB  E6 BE 80 7D EB E1 CD 16 ......}....}....
000110: 5E 1F 66 8F 04 CD 19 BE  81 7D 8B 7D 1A 8D 45 FE ^.f......}.}..E.
000120: 8A 4E 0D F7 E1 03 46 FC  13 56 FE B1 04 E8 C2 00 .N....F..V......
000130: 72 D7 EA 00 02 70 00 52  50 06 53 6A 01 6A 10 91 r....p.RP.Sj.j..
000140: 8B 46 18 A2 26 05 96 92  33 D2 F7 F6 91 F7 F6 42 .F..&...3......B
000150: 87 CA F7 76 1A 8A F2 8A  E8 C0 CC 02 0A CC B8 01 ...v............
000160: 02 80 7E 02 0E 75 04 B4  42 8B F4 8A 56 24 CD 13 ..~..u..B...V$..
000170: 61 61 72 0A 40 75 01 42  03 5E 0B 49 75 77 C3 03 aar.@u.B.^.Iuw..
000180: 18 01 27 0D 0A 49 6E 76  61 6C 69 64 20 73 79 73 ..'..Invalid sys
000190: 74 65 6D 20 64 69 73 6B  FF 0D 0A 44 69 73 6B 20 tem disk...Disk
```



```
Bochs for Windows - Console
0001E0: 53 59 53 4D 53 44 4F 53  20 20 20 53 59 53 7F 01 SYSMSDOS   SYS..
0001F0: 00 41 BB 00 07 60 66 6A  00 E9 3B FF 00 00 55 AA .A...`fj..;...U.


C:\OS\LAB\LAB1>type s.bat
..\..\bochs-2.3.5\bochs -q -f bochsrc.bxrc

C:\OS\LAB\LAB1>s

C:\OS\LAB\LAB1>..\..\bochs-2.3.5\bochs -q -f bochsrc.bxrc
00000000000i[APIC?] local apic in  initializing
========================================================================
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            Build from CVS snapshot, on September 16, 2007
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[WGUI ] POWER button turned off.
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C:\OS\LAB\LAB1>dosFp

C:\OS\LAB\LAB1>cd "..\..\Bochs-2.3.5\dos"

C:\OS\Bochs-2.3.5\dos>..\bochs -q -f bochsrc2.txt
00000000000i[APIC?] local apic in  initializing
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# In bx_win32_gui_c::exit(void)!
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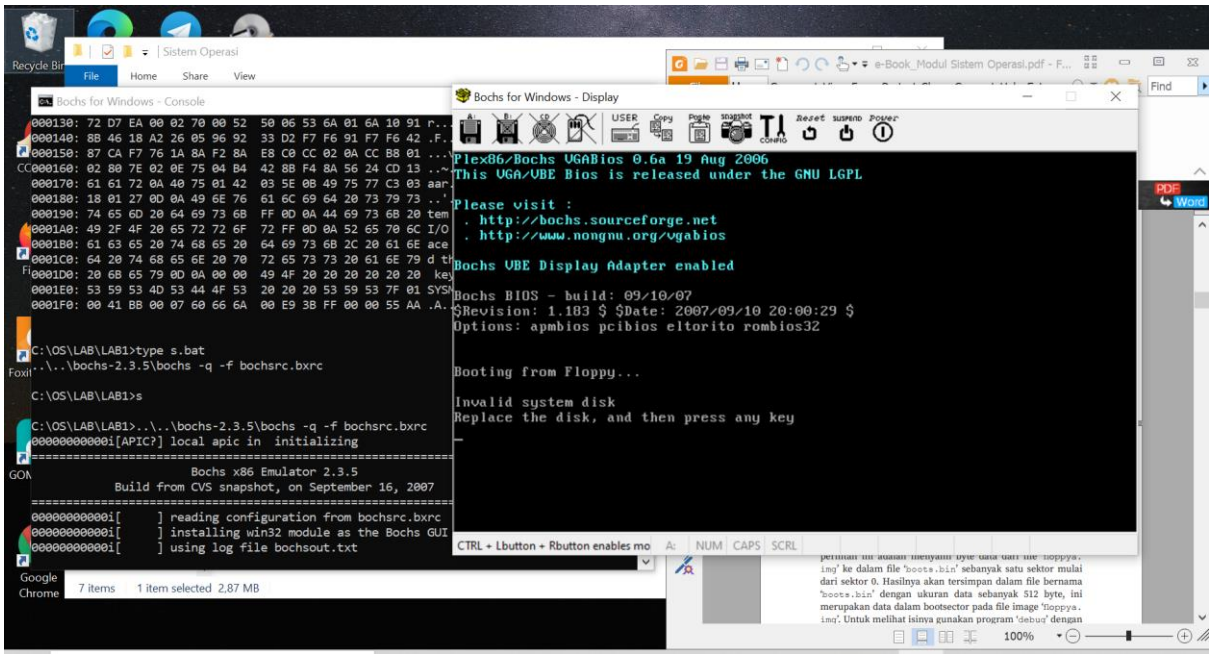
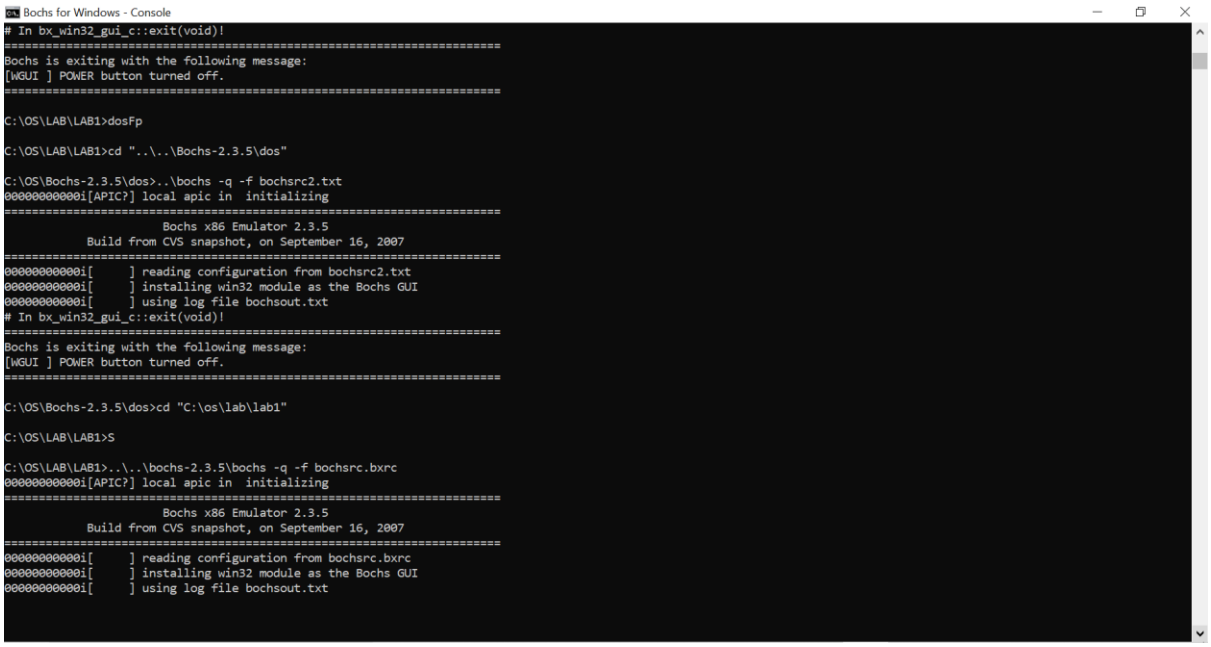
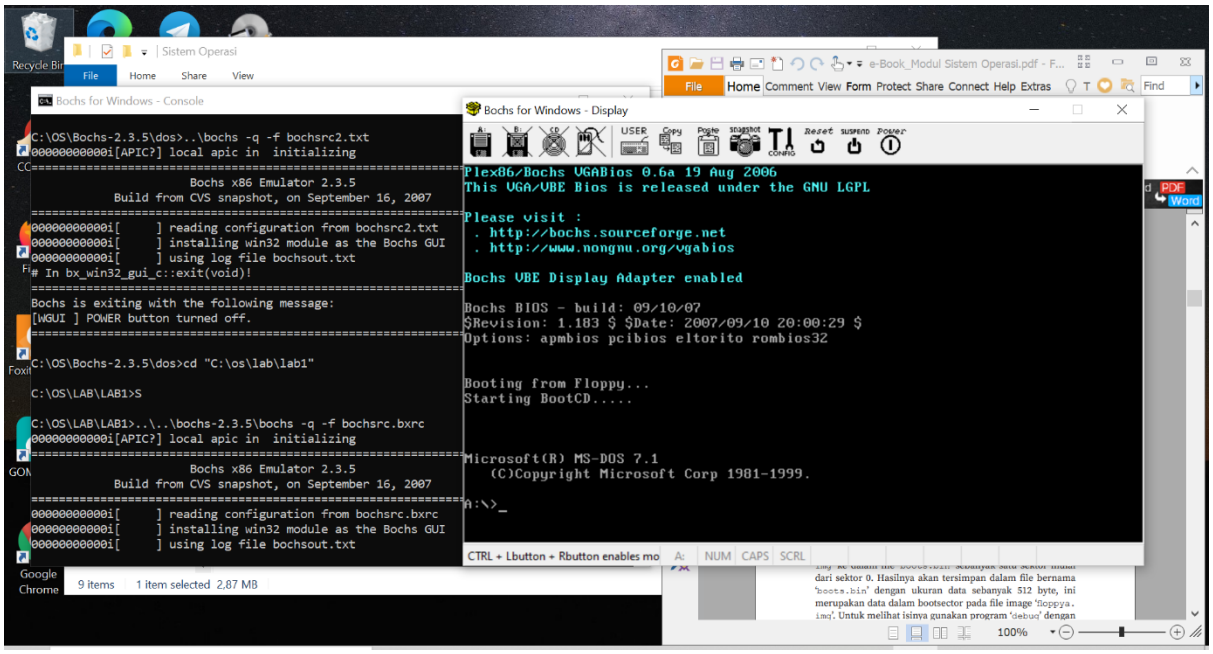
File Floppy yang belum bisa booting





File Floppy sudah bisa booting