

**LAPORAN PRAKTIKUM SISTEM OPERASI  
MODUL 1  
“PENGENALAN SISTEM PENGEMBANGAN OS DENGAN  
PC SIMULATOR BOCHS”**



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```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Se7en_Pro>cd ..
C:\Users>cd ..
C:\>cd os
C:\OS>dir
Volume in drive C is 7_Professional
Volume Serial Number is ADB5-7A80

Directory of C:\OS

09/21/2020 07:14 PM <DIR>      .
09/21/2020 07:14 PM <DIR>      ..
09/21/2020 07:14 PM <DIR>      Bochs-2.3.5
09/21/2020 07:14 PM <DIR>      Dev-Cpp
12/17/2008 12:08 AM          1,096,291 i386.pdf
09/21/2020 07:14 PM <DIR>      LAB
12/17/2008 12:07 AM          846,920 pcasm-book.pdf
12/17/2008 01:44 AM           86 Setpath.bat
12/13/2008 02:12 PM          716,512 winima81.exe
               4 File(s)          2,659,809 bytes
               5 Dir(s)      17,248,342,016 bytes free

C:\OS>setpath
C:\OS>Path=C:\OS\Dev-Cpp\bin;C:\OS\Bochs-2.3.5;c:\OS\Perl;C:\Windows;C:\Windows\
System32
C:\OS>cd lab
```

```
Administrator: C:\Windows\system32\cmd.exe
C:\OS\LAB>cd lab1
C:\OS\LAB\LAB1>dir
Volume in drive C is 7_Professional
Volume Serial Number is ADB5-7A80

Directory of C:\OS\LAB\LAB1

09/21/2020 07:14 PM <DIR>      .
09/21/2020 07:14 PM <DIR>      ..
09/10/2019 04:19 PM          10,235 bochsout.txt
12/15/2008 04:17 PM           1,628 bochsrc.bxrc
12/14/2008 12:02 PM          14,365 boot.asm
09/07/2016 11:20 AM           512 boot.bin
09/16/2015 07:51 AM           512 boots.bin
12/15/2008 12:47 AM           78 dosfp.bat
09/10/2019 03:23 PM          1,474,560 floppy.img
12/14/2008 11:45 AM           7,966 kernel.asm
12/15/2008 04:21 PM           227 Makefile
12/15/2008 12:20 PM           44 s.bat
               10 File(s)          1,510,127 bytes
               2 Dir(s)      17,249,386,496 bytes free

C:\OS\LAB\LAB1>del floppy.img
C:\OS\LAB\LAB1>make fp.disk
nasm boot.asm -o boot.bin -f bin
dd if=boot.bin of=floppy.img
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
```

```
Administrator: C:\Windows\system32\cmd.exe

C:\OS\LAB\LAB1>bximage
=====
                        bximage
                Disk Image Creation Tool for Bochs
          $Id: bximage.c,v 1.32 2006/06/16 07:29:33 vruppert Exp $
=====

Do you want to create a floppy disk image or a hard disk image?
Please type hd or fd. [hd] fd

Choose the size of floppy disk image to create, in megabytes.
Please type 0.16, 0.18, 0.32, 0.36, 0.72, 1.2, 1.44, 1.68, 1.72, or 2.88.
[1.44] 1.44
I will create a floppy image with
  cyl=80
  heads=2
  sectors per track=18
  total sectors=2880
  total bytes=1474560

What should I name the image?
[a.img] floppy.a.img

The disk image 'floppya.img' already exists. Are you sure you want to replace it?
Please type yes or no. [no] yes

Writing: [] Done.

I wrote 1474560 bytes to floppya.img.

The following line should appear in your bochsrc:
```

```
Bochs for Windows - Display
CD-ROM Device Driver for IDE (Four Channels Supported)
(C)Copyright Oak Technology Inc. 1993-1996
Driver Version : 0340
Device Name : OSLAB
Transfer Mode : Programmed I/O
Drive 0: Port= 1F0 (Primary Channel), Slave IRQ= 14
Firmware version : ALPH

MSCDEX Version 2.23
Copyright (C) Microsoft Corp. 1986-1993. All rights reserved.
Drive B: = Driver OSLab unit 0
A:\>_

Bochs-2.3.5
Dev-Cpp
Bochs for Windows - Console
bytes=1474560
What should I name the image?
floppya.img
The disk image 'floppya.img' already exists. Are you sure you want to replace it?
Please type yes or no. [no] yes
[ ] Done.
1474560 bytes to floppya.img.
The following line should appear in your bochsrc:
a: image="floppya.img", status=inserted
The image is stored in your windows clipboard, use CTRL-U to paste>
Press any key to continue
B\LAB1>dosfp
B\LAB1>cd ".\..\Bochs-2.3.5\dos"
Bochs-2.3.5\dos>.\bochs -q -f bochsrc2.txt
0001[APIC?] local apic in initializing
=====
Build from CVS snapshot, on September 16, 2007
0001f 1 reading configuration from bochsrc2.txt
0001f 1 installing win32 module as the Bochs GUI
0001f 1 using log file bochsout.txt
```

yang terdapat di dalam file







