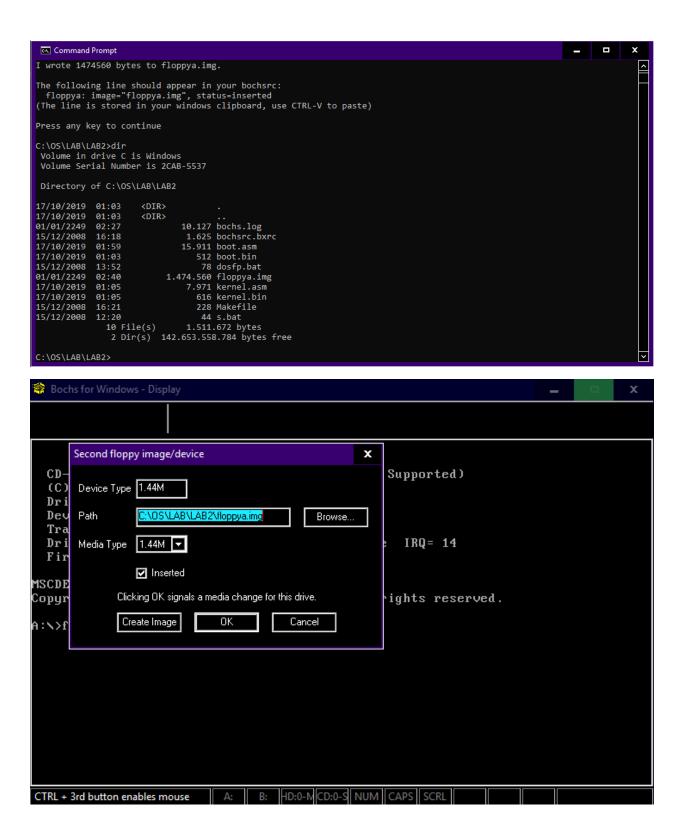
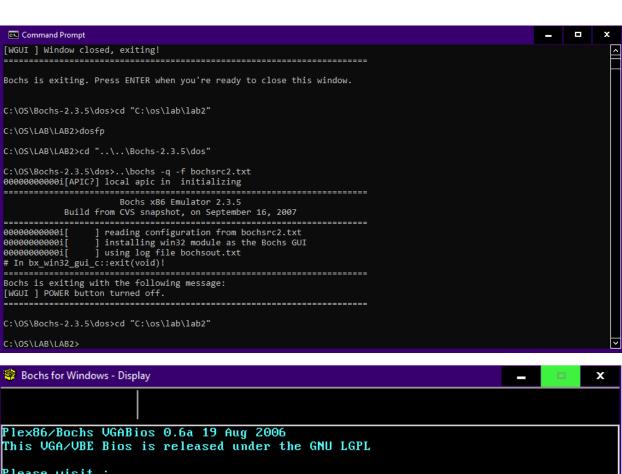
Nama: Resya Lusiara	Dosen: Heru Setiya Nugraha, S.T, M.Kom.
NIM: L200210273	
KELAS: Paktikum SO E	Nilai:

```
Command Prompt
                                                                                                                                           •
 C:\Users\Person>cd/
C:\>cd os
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
C:\OS\LAB>cd lab2
C:\OS\LAB\LAB2>dir
 Volume in drive C is Windows
Volume Serial Number is 2CAB-5537
 Directory of C:\OS\LAB\LAB2
17/10/2019 01:03
17/10/2019 01:03
01/01/2249 02:27
                         <DIR>
                                   10.127 bochs.log
1.625 bochsrc.bxrc
15/12/2008
              16:18
01:59
17/10/2019
                                    15.911 boot.asm
17/10/2019
                                       512 boot.bin
                                78 dosfp.bat
1.474.560 floppya.img
15/12/2008
17/10/2019
              01:06
                                     7.971 kernel.asm
17/10/2019
              01:05
                                       616 kernel.bin
228 Makefile
17/10/2019
              01:05
15/12/2008
              16:21
15/12/2008
                                        44 s.bat
              12:20
                10 File(s)
                                     1.511.672 bytes
```

```
Command Prompt
                                                                                                                                                              2 Dir(s) 142.656.344.064 bytes free
C:\OS\LAB\LAB2>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
   cy1=80
   heads=2
   sectors per track=18
   total sectors=2880
   total bytes=1474560
What should I name the image?
[a.img] floppya.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.
```



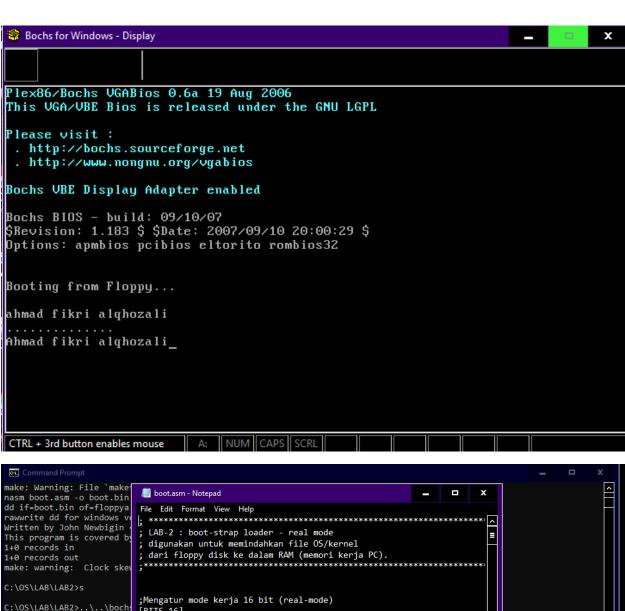




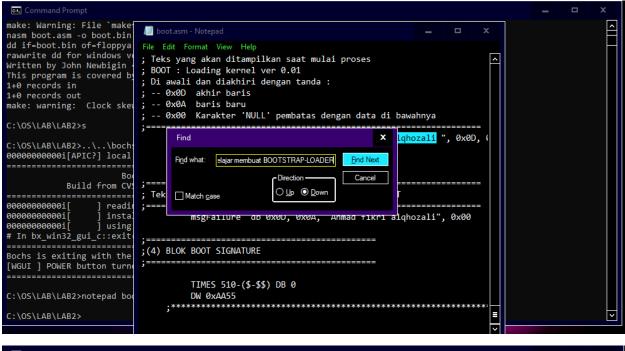
Command Prompt	-	×
# In bx_win32_gui_c::exit(void)! Bochs is exiting with the following message:		
[WGUI] POWER button turned off.		
C:\OS\Bochs-2.3.5\dos>cd "C:\os\lab\lab2"		
C:\OS\LAB\LAB2>s		
C:\OS\LAB\LAB2>\\bochs-2.3.5\bochs -q -f bochsrc.bxrc 0000000000[APIC?] local apic in initializing		
Bochs x86 Emulator 2.3.5 Build from CVS snapshot, on September 16, 2007		
0000000000i[] reading configuration from bochsrc.bxrc 0000000000i[] installing win32 module as the Bochs GUI 00000000000[] using log file bochs.log # In bx_win32_gui_c:exit(void)!		
Bochs is exiting with the following message: [WGUI] POWER button turned off		~
Command Prompt	-	X
0000000000i[APIC?] local apic in initializing		Ė
Bochs x86 Emulator 2.3.5 Build from CVS snapshot, on September 16, 2007		
0000000000i[] reading configuration from bochsrc.bxrc 00000000000i[] installing win32 module as the Bochs GUI 000000000000[] using log file bochs.log # In bx_win32_gui_c::exit(void)!		
Bochs is exiting with the following message: [WGUI] POWER button turned off.		
C:\OS\LAB\LAB2>make fp.disk make: Current time: Timestamp out of range; substituting 1970-01-01 07:00:00 make: Warning: File `makefile' has modification time 1,2e+009 s in the future nasm boot.asm -o boot.bin -f bin dd if=boot.bin of=floppya.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</jn@it.swin.edu.au>		

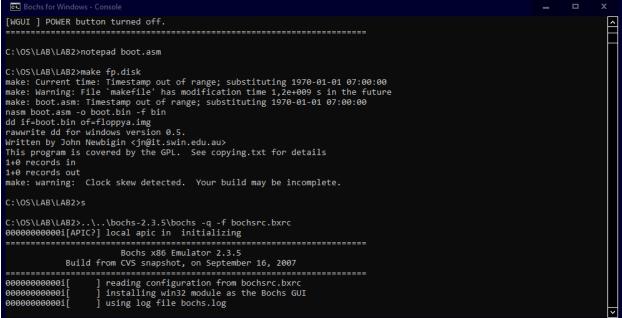
1+0 records out 1+0 records out make: warning: Clock skew detected. Your build may be incomplete.

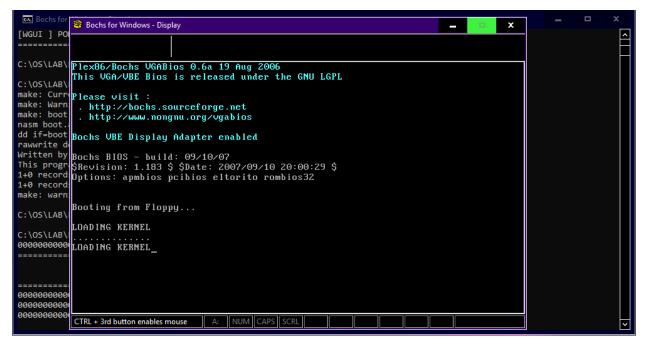
C:\OS\LAB\LAB2>





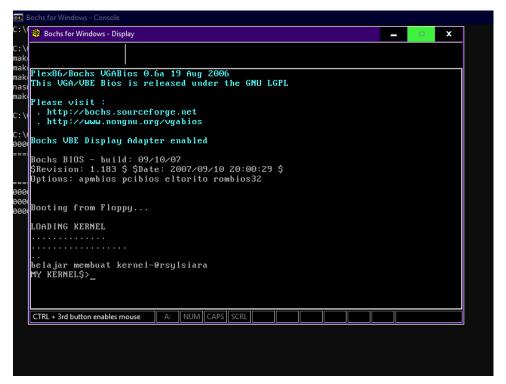






```
Command Prompt
 C:\OS\LAB\LAB2>kernel.asm
C:\OS\LAB\LAB2>make kernel
make: Warning: File `makefile' has modification time 1,2e+009 s in the future nasm kernel.asm -o kernel.bin -f bin make: warning: Clock skew detected. Your build may be incomplete.
C:\OS\LAB\LAB2>dir
 Volume in drive C is Windows
Volume Serial Number is 2CAB-5537
 Directory of C:\OS\LAB\LAB2
17/10/2019 01:03
                              <DIR>
17/10/2019 01:03
01/01/2249 03:07
                                          10.154 bochs.log
                                          1.625 bochsrc.bxrc
15.897 boot.asm
15/12/2008
01/01/2249 03:04
01/01/2249 03:05
                                     51.897 boot.asm
512 boot.bin
78 dosfp.bat
1.474.560 floppya.img
7.971 kernel.asm
15/12/2008
01/01/2249
                03:05
17/10/2019
                 01:05
01/01/2249
                                              616 kernel.bin
15/12/2008
                                               228 Makefile
15/12/2008
                    10 File(s) 1.511.685 bytes
2 Dir(s) 142.652.116.992 bytes free
C:\OS\LAB\LAB2>
```

```
💡 Bochs for Windows - Display
Plex86/Bochs UGABios 0.6a 19 Aug 2006
This UGA/UBE Bios is released under the GNU LGPL
Please visit :
 . http://bochs.sourceforge.net
 . http://www.nongnu.org/vgabios
Bochs VBE Display Adapter enabled
Bochs BIOS - build: 09/10/07
$Revision: 1.183 $ $Date: 2007/09/10 20:00:29 $
.
Options: apmbios pcibios eltorito rombios32
Booting from Floppy...
LOADING KERNEL
UNIVERSITAS MUHAMMDIYAH SURAKARTA
MY KERNEL$>_
                       A: NUM CAPS SCRL
CTRL + 3rd button enables mouse
```

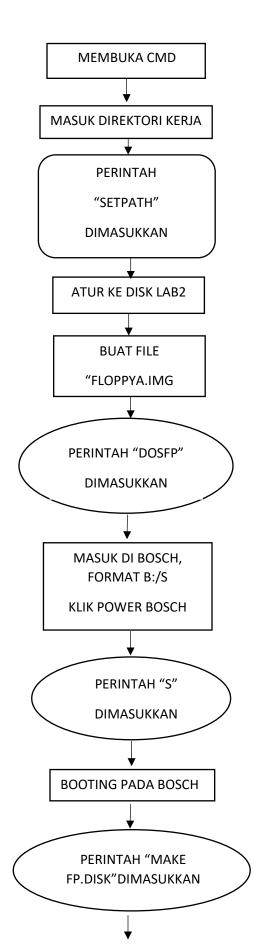


```
Command Prompt
 :\OS\LAB\LAB2>s
C:\OS\LAB\LAB2>..\..\bochs-2.3.5\bochs -q -f bochsrc.bxrc
00000000000[APIC?] local apic in initializing
                              Bochs x86 Emulator 2.3.5
                Build from CVS snapshot, on September 16, 2007
00000000000i[ ] reading configuration from bochsrc.bxrc
00000000000i[ ] installing win32 module as the Bochs GUI
0000000000i[ ] using log file bochs.log
# In bx_win32_gui_c::exit(void)!
Bochs is exiting with the following message:
[WGUI ] POWER button turned off.
          ______
C:\OS\LAB\LAB2>notepad boot.asm
C:\OS\LAB\LAB2>make fp.disk
make: Current time: Timestamp out of range; substituting 1970-01-01 07:00:00
make: Warning: File `makefile' has modification time 1,2e+009 s in the future
make: boot.asm: Timestamp out of range; substituting 1970-01-01 07:00:00
nasm boot.asm -o boot.bin -f bin
dd if=boot.bin of=floppya.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
 make: warning: Clock skew detected. Your build may be incomplete.
 :\OS\LAB\LAB2>s
C:\OS\LAB\LAB2>..\..\bochs-2.3.5\bochs -q -f bochsrc.bxrc
00000000000[APIC?] local apic in initializing
                              Bochs x86 Emulator 2.3.5
                Build from CVS snapshot, on September 16, 2007
00000000000i[
                         ] reading configuration from bochsrc.bxrc
                          installing win32 module as the Bochs GUI using log file bochs.log
00000000000i
 00000000000i
```

```
Command Prompt
C:\OS\LAB\LAB2>s
C:\OS\LAB\LAB2>..\..\bochs-2.3.5\bochs -q -f bochsrc.bxrc
00000000000i[APIC?] local apic in initializing
------
                    Bochs x86 Emulator 2.3.5
           Build from CVS snapshot, on September 16, 2007
______
0000000000i[ ] reading configuration from bochsrc.bxrc
             ] installing win32 module as the Bochs GUI
] using log file bochs.log
00000000000i[
0000000000i[
# In bx_win32_gui_c::exit(void)!
Bochs is exiting with the following message:
[WGUI ] POWER button turned off.
______
C:\OS\LAB\LAB2>make kernel
make: Current time: Timestamp out of range; substituting 1970-01-01 07:00:00 make: Warning: File `makefile' has modification time 1,2e+009 s in the future nasm kernel.asm -o kernel.bin -f bin
make: warning: Clock skew detected. Your build may be incomplete.
C:\OS\LAB\LAB2>kernel.asm
C:\OS\LAB\LAB2>make kernel
make: Current time: Timestamp out of range; substituting 1970-01-01 07:00:00
make: Warning: File `makefile' has modification time 1,2e+009 s in the future
nasm kernel.asm -o kernel.bin -f bin
make: warning: Clock skew detected. Your build may be incomplete.
C:\OS\LAB\LAB2>dir
Volume in drive C is Windows
 Volume Serial Number is 2CAB-5537
Directory of C:\OS\LAB\LAB2
17/10/2019 01:03
                   <DIR>
17/10/2019 01:03
                   <DIR>
01/01/2249 03:07
                           10.154 bochs.log
15/12/2008 16:18
                           1.625 bochsrc.bxrc
01/01/2249 03:04
                           15.897 boot.asm
01/01/2249 03:05
                            512 boot.bin
15/12/2008 13:52
                            78 dosfp.bat
```

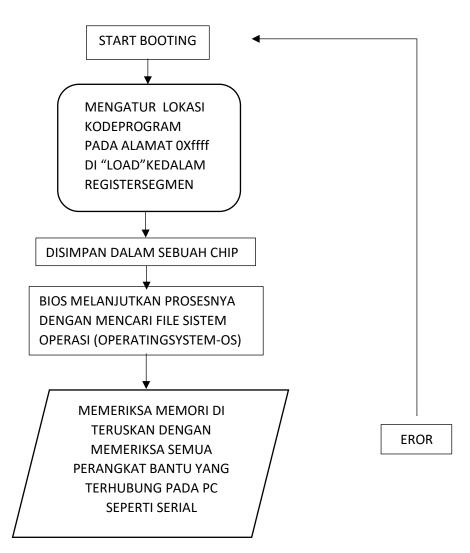
```
Command Prompt
C:\OS\LAB\LAB2>s
C:\OS\LAB\LAB2>..\..\bochs-2.3.5\bochs -q -f bochsrc.bxrc
00000000000i[APIC?] local apic in initializing
.....
                   Bochs x86 Emulator 2.3.5
         Build from CVS snapshot, on September 16, 2007
------
00000000000i[ ] reading configuration from bochsrc.bxrc
0000000000i[ ] installing win32 module as the Bochs GUI
0000000000i[ ] using log file bochs.log
# In bx_win32_gui_c::exit(void)!
______
Bochs is exiting with the following message:
[WGUI ] POWER button turned off.
C:\OS\LAB\LAB2>notepad kernel.asm
C:\OS\LAB\LAB2>make kernel
make: Current time: Timestamp out of range; substituting 1970-01-01 07:00:00 make: Warning: File `makefile' has modification time 1,2e+009 s in the future
make: kernel.asm: Timestamp out of range; substituting 1970-01-01 07:00:00
nasm kernel.asm -o kernel.bin -f bin
make: warning: Clock skew detected. Your build may be incomplete.
C:\OS\LAB\LAB2>s
C:\OS\LAB\LAB2>..\..\bochs-2.3.5\bochs -q -f bochsrc.bxrc
00000000000i[APIC?] local apic in initializing
._____
                    Bochs x86 Emulator 2.3.5
          Build from CVS snapshot, on September 16, 2007
______
0000000000i[ ] reading configuration from bochsrc.bxrc
0000000000i[ ] installing win32 module as the Bochs GUI
0000000000i[ ] using log file bochs.log
# In bx_win32_gui_c::exit(void)!
Bochs is exiting with the following message:
[WGUI ] POWER button turned off.
```

TugasFlowchart Boot.asm detail





Flowchart boot.asm global



Flowchart kernel.asm global



