

\$prog &HFF , &HC4 , &H99 , &H00 ' generated. Take care that the chip supports all fuse bytes.

\$regfile = "m16def.dat"

\$crystal = 8000000

\$hwstack = 40

\$swstack = 16

\$framesize = 32

'\$sim

'=====

Config Portd = Output

Config Lcd = 20 * 4

Config Lcdpin = Pin , Db4 = Portb.3 , Db5 = Portb.2 , Db6 = Portb.1 , Db7 = Portb.0 , E = Portb.4 , Rs = Portb.5

Config Adc = Single , Prescaler = Auto 'Mengkonfigurasi A / D converter.

'=====

Dim Sen_1 As Word : Dim X As Word : Dim Y As Word

'=====

Enable Interrupts

Cls : Cursor Off

'-----

Main:

'===== baca adc =====

Start Adc

Sen_1 = Getadc(0)

Y = Getadc(1)

'=====

Sen_1 = Sen_1 / 2

If Sen_1 <= Y Then : X = 0 : Else : X = 1 : End If

'===== tampil lcd =====

Locate 1 , 1 : Lcd " BOX PENDINGIN "

Locate 2 , 1 : Lcd "SB:" ; Sen_1 ; "C "

Locate 2 , 12 : Lcd "ST:" ; Y ; "C "

'-----

If X = 0 Then

Portd.0 = 0 : Portd.1 = 0

Portd.2 = 0 : Portd.4 = 0

Locate 3 , 1 : Lcd "F1=OFF"

Locate 3 , 12 : Lcd "F2=OFF"

Locate 4 , 1 : Lcd "F3=OFF"

Locate 4 , 12 : Lcd "F4=OFF"

Goto Main : Else : Goto Prog : End If

Return

'=====

Prog:

'-----

If Y >= 28 And X = 1 Then

Portd.0 = 0 : Portd.1 = 0

Portd.2 = 0 : Portd.4 = 0

Locate 3 , 1 : Lcd "F1=OFF "

Locate 3 , 12 : Lcd "F2=OFF"

Locate 4 , 1 : Lcd "F3=OFF"

Locate 4 , 12 : Lcd "F4=OFF"

End If

'=====

If Y < 28 And Y >= 23 And X = 1 Then

Portd.0 = 1 : Portd.1 = 0

Portd.2 = 0 : Portd.4 = 0

Locate 3 , 1 : Lcd "F1=ON "

Locate 3 , 12 : Lcd "F2=OFF"

Locate 4 , 1 : Lcd "F3=OFF"

Locate 4 , 12 : Lcd "F4=OFF"

End If

'=====

If Y < 23 And Y >= 20 And X = 1 Then

Portd.0 = 1 : Portd.1 = 1

Portd.2 = 0 : Portd.4 = 0

Locate 3 , 1 : Lcd "F1=ON "

Locate 3 , 12 : Lcd "F2=ON "

Locate 4 , 1 : Lcd "F3=OFF"

Locate 4 , 12 : Lcd "F4=OFF"

End If

'=====

If Y < 20 And Y >= 18 And X = 1 Then

Portd.0 = 1 : Portd.1 = 1

Portd.2 = 1 : Portd.4 = 0

Locate 3 , 1 : Lcd "F1=ON "

Locate 3 , 12 : Lcd "F2=ON "

Locate 4 , 1 : Lcd "F3=ON "

Locate 4 , 12 : Lcd "F4=OFF"

End If

'=====

If Y < 18 And X = 1 Then

Portd.0 = 1 : Portd.1 = 1

Portd.2 = 1 : Portd.4 = 1

Locate 3 , 1 : Lcd "F1=ON "

Locate 3 , 12 : Lcd "F2=ON "

Locate 4 , 1 : Lcd "F3=ON "

Locate 4 , 12 : Lcd "F4=ON "

End If

'=====

Goto Main

Return