

## DAFTAR PUSTAKA

Purnomo, E., & (2015). (2015). Mikrokontroler AVR ATMEGA32.

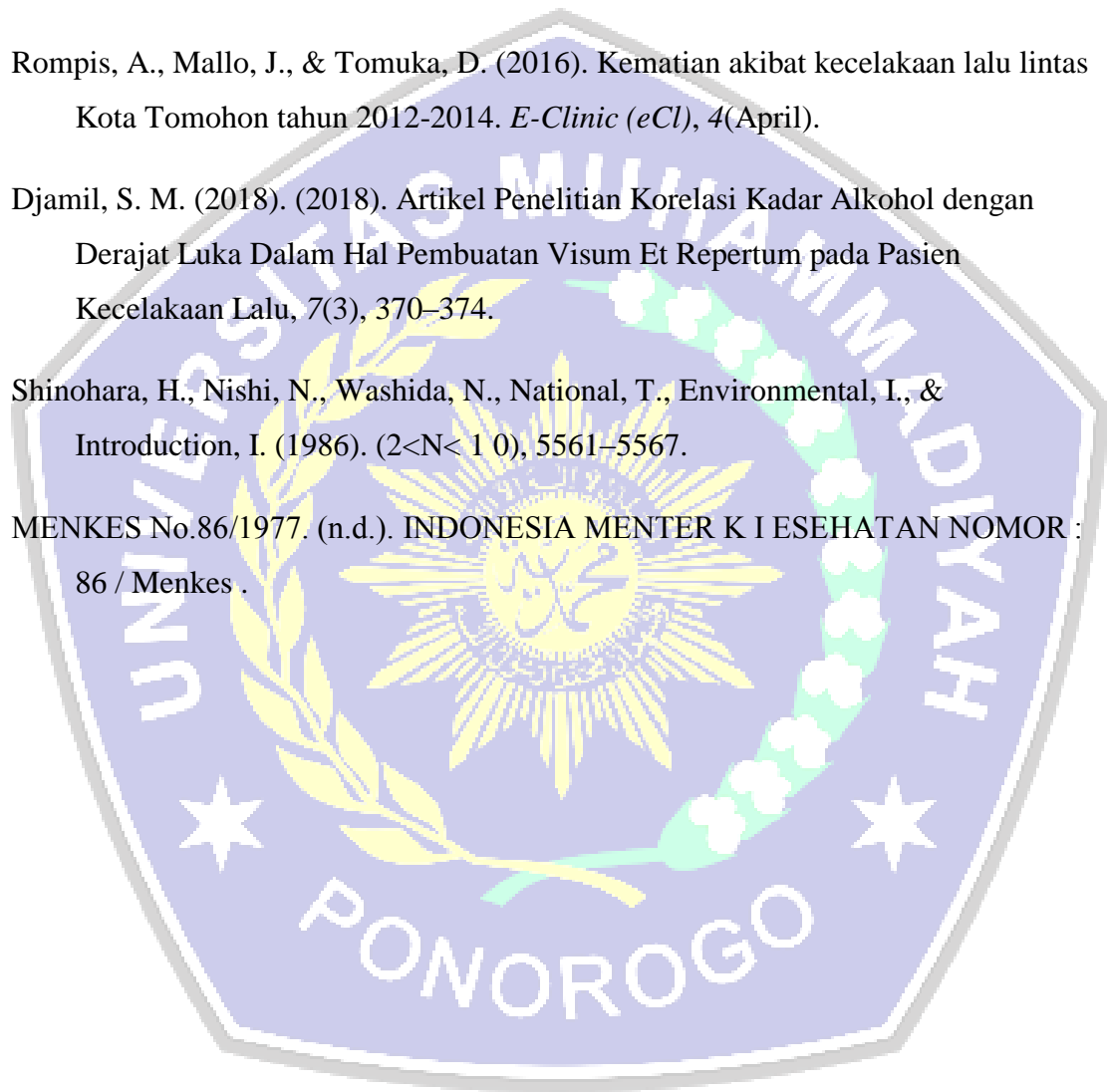
Fígaro USA INC. (n.d.). TGS 2620 for the detection of Solvent Vapors. *Product Information*.

Rompis, A., Mallo, J., & Tomuka, D. (2016). Kematian akibat kecelakaan lalu lintas Kota Tomohon tahun 2012-2014. *E-Clinic (eCl)*, 4(April).

Djamil, S. M. (2018). (2018). Artikel Penelitian Korelasi Kadar Alkohol dengan Derajat Luka Dalam Hal Pembuatan Visum Et Repertum pada Pasien Kecelakaan Lalu, 7(3), 370–374.

Shinohara, H., Nishi, N., Washida, N., National, T., Environmental, I., & Introduction, I. (1986). (2<N< 1 0), 5561–5567.

MENKES No.86/1977. (n.d.). INDONESIA MENTER K I ESEHATAN NOMOR : 86 / Menkes .



```
$regfile = "m32def.dat"
```

```
$crystal = 11059200
```

```
$baud = 9600
```

```
Config Lcdpin = Pin , Rs = Portc.0 , E = Portc.1 , Db4 = Portc.2
```

```
Config Lcdpin = Pin , Db5 = Portc.3 , Db6 = Portc.4 , Db7 = Portc.5
```

```
Config Lcd = 16 * 2
```

```
Cursor Off Noblink
```

```
Cls
```

```
Config Adc = Single , Prescaler = Auto , Reference = Avcc
```

```
Dim Dataadc As Word
```

```
Dim Gas_ref As Word
```

```
Dim Gas As Single
```

```
Dim Lpg As String * 5
```

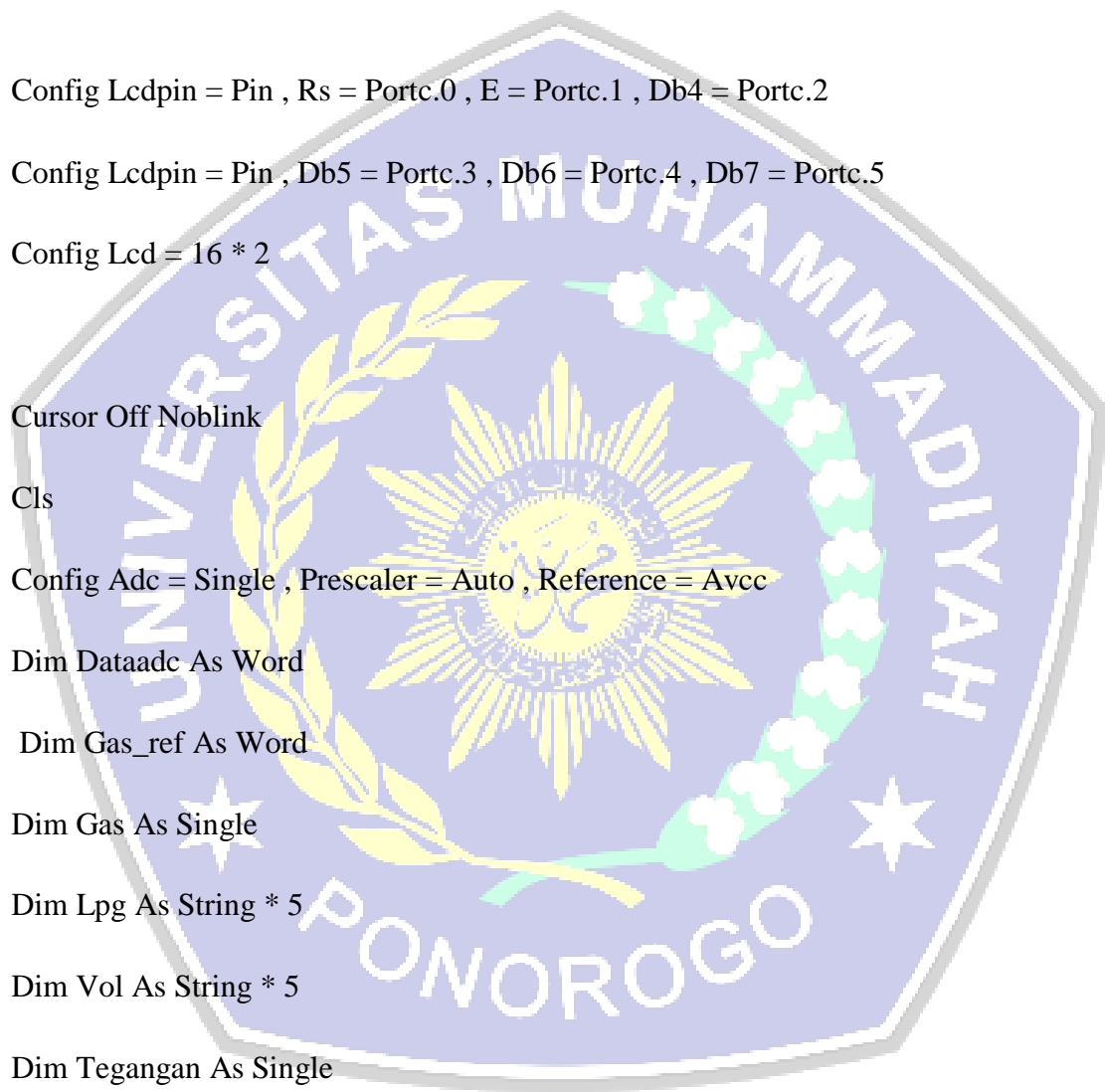
```
Dim Vol As String * 5
```

```
Dim Tegangan As Single
```

```
Dim Teganganx As Single
```

```
Dim A As Single
```

```
Dim Vo As Single
```



Dim X As Single

Dim Y As Single

Dim Rs As Single

Dim D As Single

Dim E As Single

Dim Ppm As Single

Dim Ro As Single

Config Portc.6 = Input

Config Portc.7 = Output

Config Porta.1 = Output

Portc = 255

Portc.7 = 1

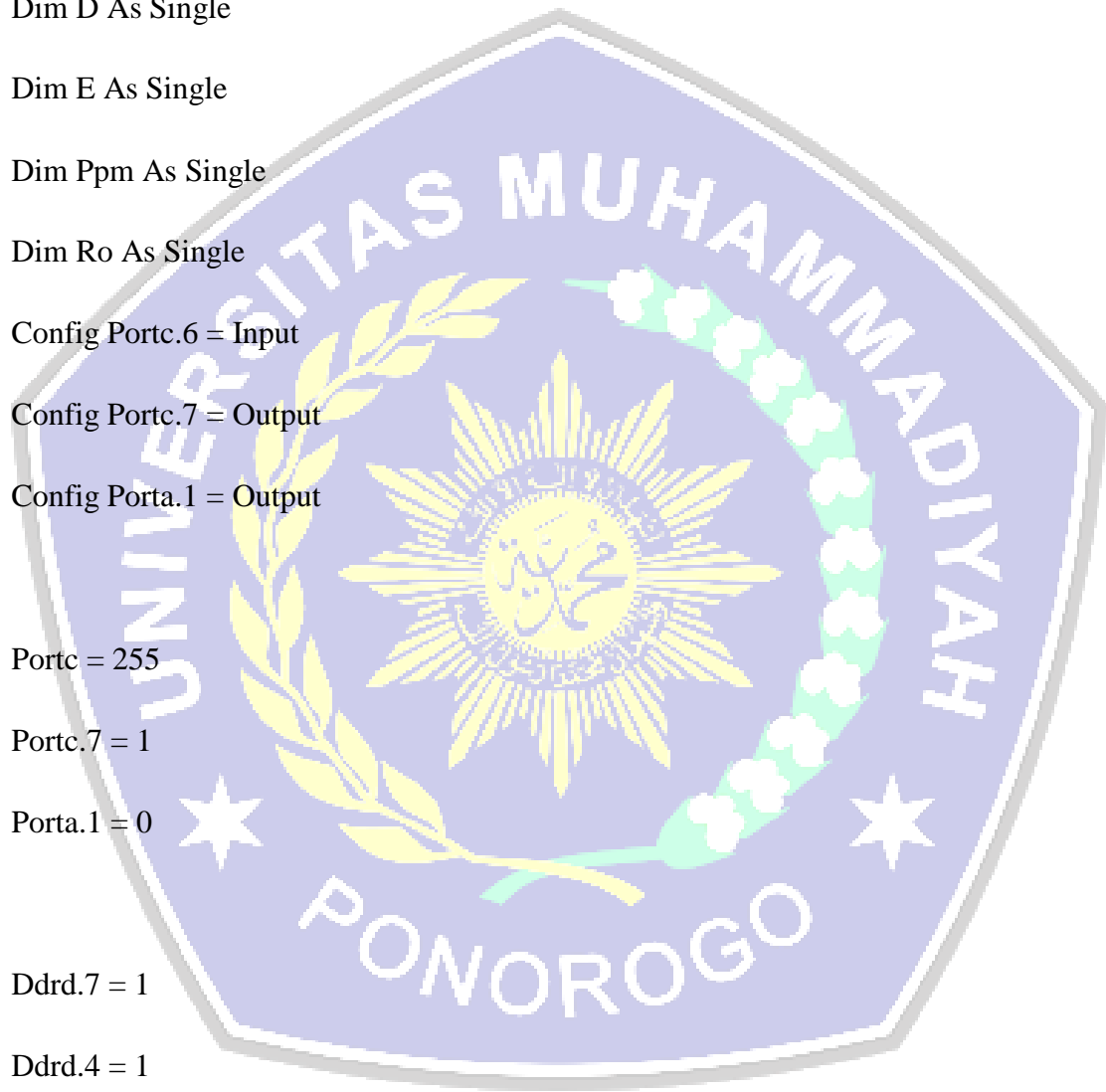
Porta.1 = 0

Ddrd.7 = 1

Ddrd.4 = 1

Portd.7 = 0

Portd.4 = 0



Ddrb.0 = 1

Ddrb.1 = 1

Start Adc

Do

Gas\_ref = Getadc(0)

Gas = Gas\_ref

Ro = 633750

Teganganx = Gas\_ref / 1023

Tegangan = Teganganx \* 5.15

X = 5.15 - Tegangan

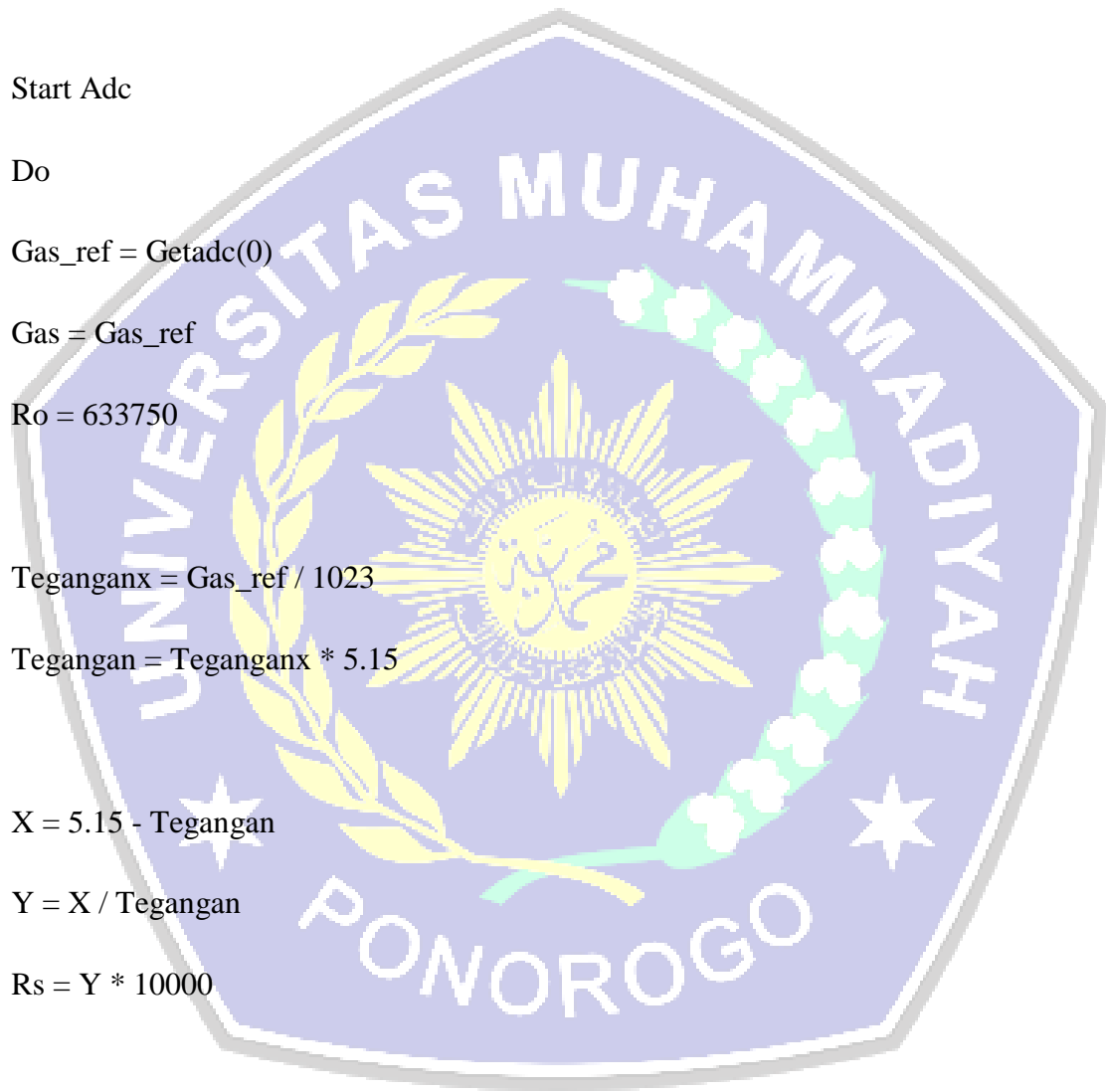
Y = X / Tegangan

Rs = Y \* 10000

D = Rs / Ro

E = 325.0 / D

Ppm = E ^ 0.649



Vol = Fusing(tegangan , "#.##")

Locate 1 , 1

Lcd "Vol= " ; Vol ; " "

Locate 2 , 1

Lcd "PPM= " ; Fusing(ppm , "#.##") ; " "

If Ppm > 100 Then

Portb.0 = 0

Portb.1 = 1

Porta.1 = 1

Delay

Porta.1 = 0

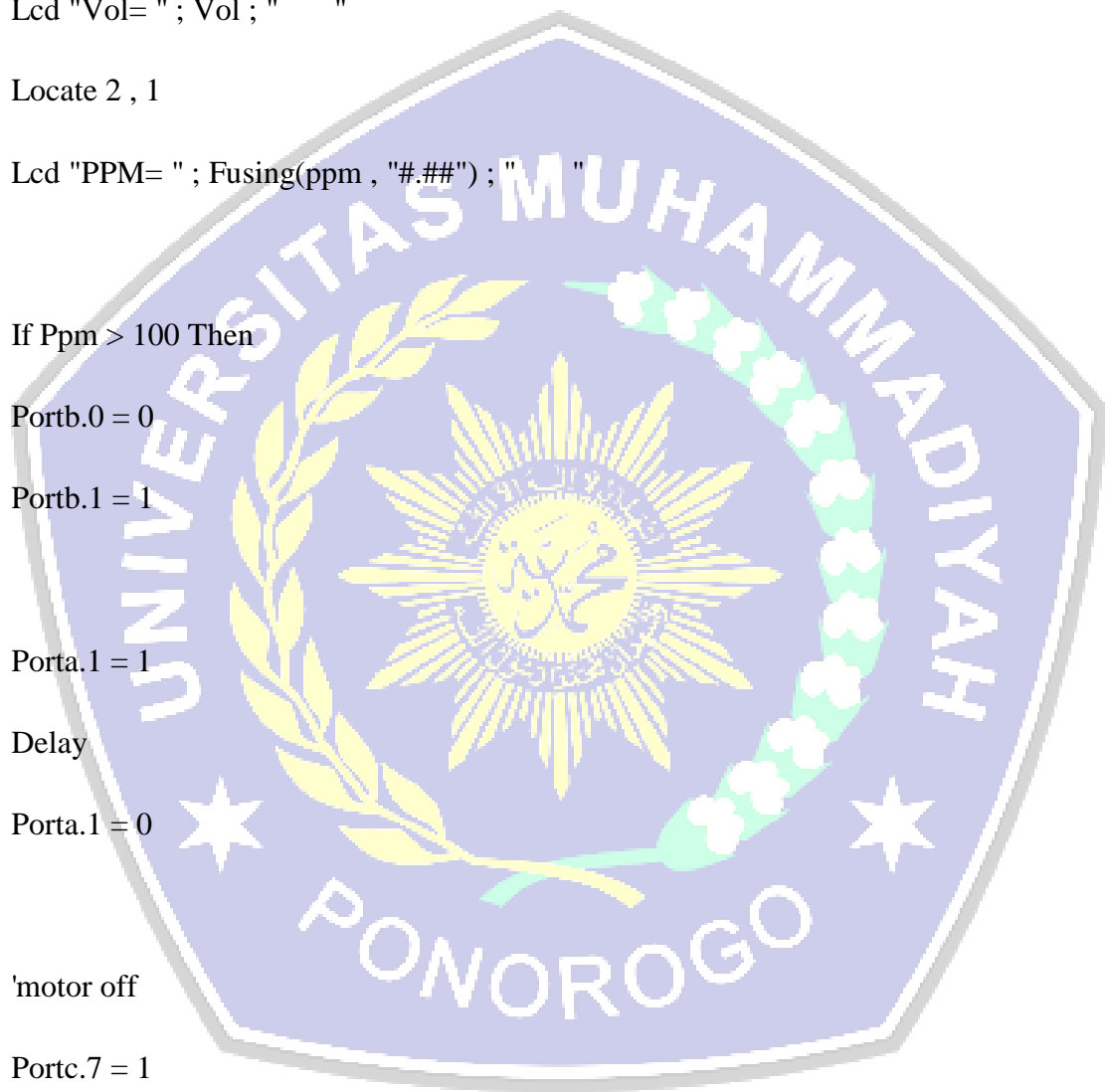
'motor off

Portc.7 = 1

'buzzer

Portd.7 = 1

Portd.4 = 0



End If

If Ppm < 100 Then

Portb.0 = 1

Portb.1 = 0

Porta.1 = 1

'buzzer

Portd.7 = 0

Portd.4 = 0

End If

If Pinc.6 = 0 Then

Portc.7 = 0

'MOTOR on

End If

Waitms 200

Loop

