LAMPIRAN

```arduino
#include <LiquidCrystal.h>


int speakerPin=6;

const int analogInPin = A0;

int sensorValue = 0;

int batas = 0;

int Level = 0;


LiquidCrystal lcd(12, 11, 5, 4, 3, 2);


void setup()
{
  lcd.begin(16,2);

  lcd.print("Warming Up");
delay (7000);
  lcd.clear();

  lcd.setCursor(0,0);

  lcd.print("Pengujian");

  lcd.setCursor(0,1);

  lcd.print("Kadar Alkohol");
delay(7000);
 lcd.clear();

 lcd.clear();

  lcd.setCursor(0,0);
```

```
  lcd.print("HENDRI K");

  lcd.setCursor(0,1);

  lcd.print("20143010089");

delay(5000);

  sensorValue = analogRead(analogInPin);

  batas=sensorValue;//batas bawah sensor


lcd.clear();

  pinMode(speakerPin,OUTPUT);

  Serial.begin(9600);

}


void loop()

{

  sensorValue = analogRead(analogInPin);

  Level = map(sensorValue, batas, 1023, 0, 100);

  lcd.setCursor(0,0);

  lcd.print("Kadar=   ");

lcd.print(Level);

lcd.print("  %  ");


if(Level<=0)

  {

   lcd.setCursor(0,1);
```
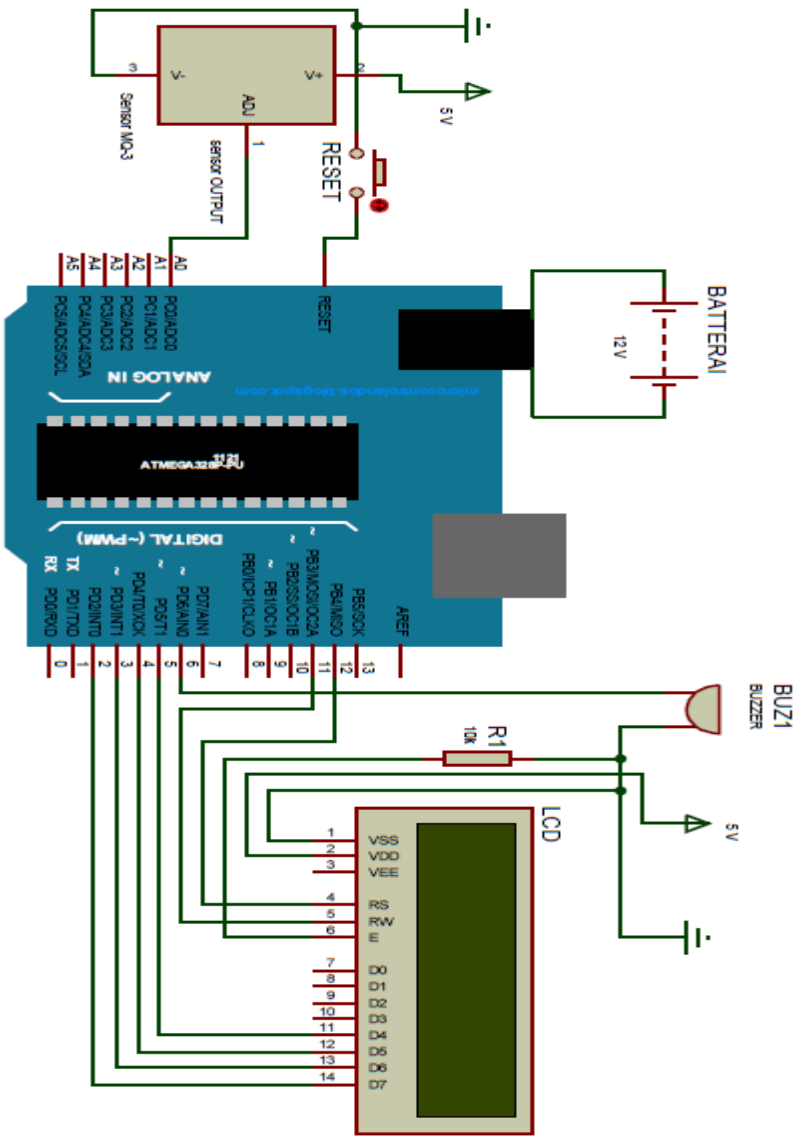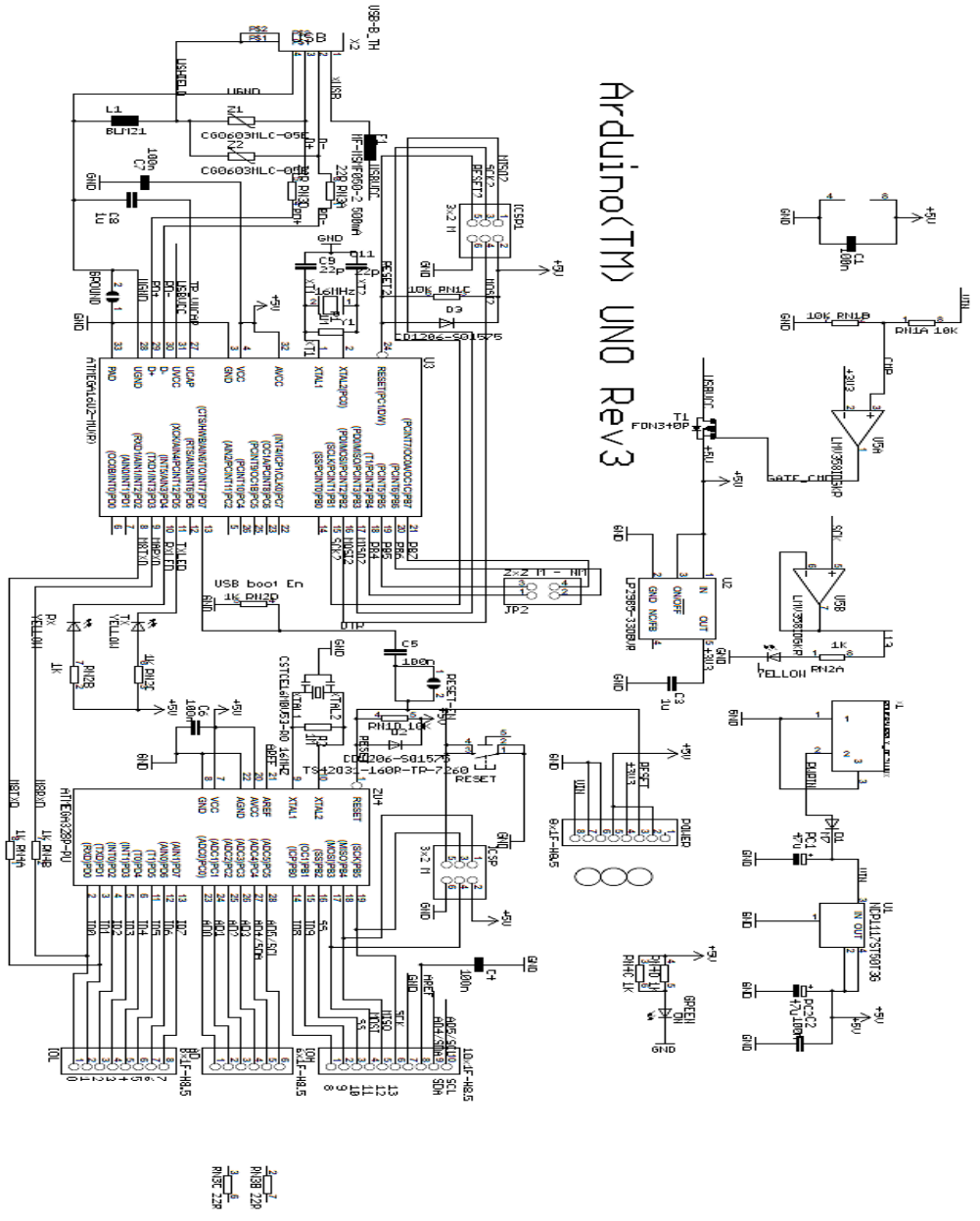
```
    lcd.print("NO ALKOHOL");

    digitalWrite(speakerPin,LOW);

    }


if(Level>=1&&Level<=5)

    {

    lcd.setCursor(0,1);

    lcd.print("GOLONGAN=A");

    digitalWrite(speakerPin,LOW);

    }
 if(Level>=6&&Level<=20)

    {

    lcd.setCursor(0,1);

    lcd.print("GOLONGAN=B");

    digitalWrite(speakerPin,LOW);

    }
 if(Level>=21&&Level<=55)

    {

    lcd.setCursor(0,1);

    lcd.print("GOLONGAN=C");

    digitalWrite(speakerPin,LOW);

    }
 if(Level>55)

    {
```

```
  lcd.setCursor(0,1);

  lcd.print("ALKOHOL  MEDIS  ");

  digitalWrite(speakerPin, HIGH);

  }

 delay(10000);


}
```

Sensor MQ-3

V- 3

ADJ

sensor OUTPUT 1

V+ 2

5V

RESET

RESET

A5 A4 A3 A2 A1 A0

PC5/ADC5/SCL
PC4/ADC4/SDA
PC3/ADC3
PC2/ADC2
PC1/ADC1
PD0/ADC0

ANALOG IN

ATMEGA328P-PU
328P

microcontrolandos.blogspot.com

BATTERAI
12V

DIGITAL (~PWM)

RX
TX

PD0/RXD
PD1/TXD
PD2/INT0
PD3/INT1
PD4/T0/XCK
PD5T1
PD6/AIN0
PD7/AIN1
PB0/ICP1/CLKO
PB1/OC1A
PB2/SS/OC1B
PB3/MOSI/OC2A
PB4/MISO
PB5/SCK
AREF

0 1 2 3 4 5 6 7 8 9 10 11 12 13

BUZ1
BUZZER

R1
10k

5V

LCD

1   VSS
2   VDD
3   VEE
4   RS
5   RW
6   E
7   D0
8   D1
9   D2
10 D3
11 D4
12 D5
13 D6
14 D7

Arduino(TM) UNO Rev3