



```
int TMP36= A0;
```

```
#define buzzer 6
```

```
#include <LiquidCrystal.h>
```

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

```
void setup ()
```

```
{
```

```
  Serial.begin(9600);
```

```
  pinMode(buzzer, OUTPUT);
```

```
  pinMode(8, OUTPUT);
```

```
  lcd.begin(16, 2);
```

```
}
```

```
void loop ()
```

```

{
    int i;

    int reading = analogRead(TMP36);
    float voltage = reading * 5.0;
    voltage = voltage/1024.0;

    float suhu = (voltage - 0.5) * 100;
    Serial.print(suhu); Serial.println(" C");

    if (suhu > 100){
        tone (buzzer, 15);

        digitalWrite(8, HIGH);

        lcd.setCursor(4, 0);
            lcd.print("KEBAKARAN");
        lcd.setCursor(0, 1);
        lcd.print("Evakuasi Darurat");

        for (int i = 0; i < 13; i++) {
            lcd.scrollDisplayLeft();
            delay(150);
        }

        for (int i = 0; i < 29; i++) {
            lcd.scrollDisplayRight();
            delay(150);
        }

        for (int i = 0; i < 16; i++) {
            lcd.scrollDisplayLeft();

```

```
    delay(150);  
  }  
  
  else  
    noTone (buzzer);  
  
  digitalWrite(8, LOW);  
  
    lcd.print(" ");  
  delay (1000);  
  
  delay (1000);  
}
```