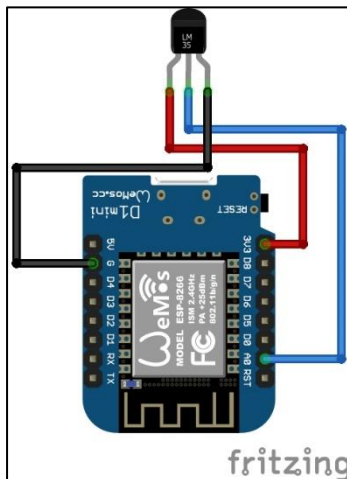
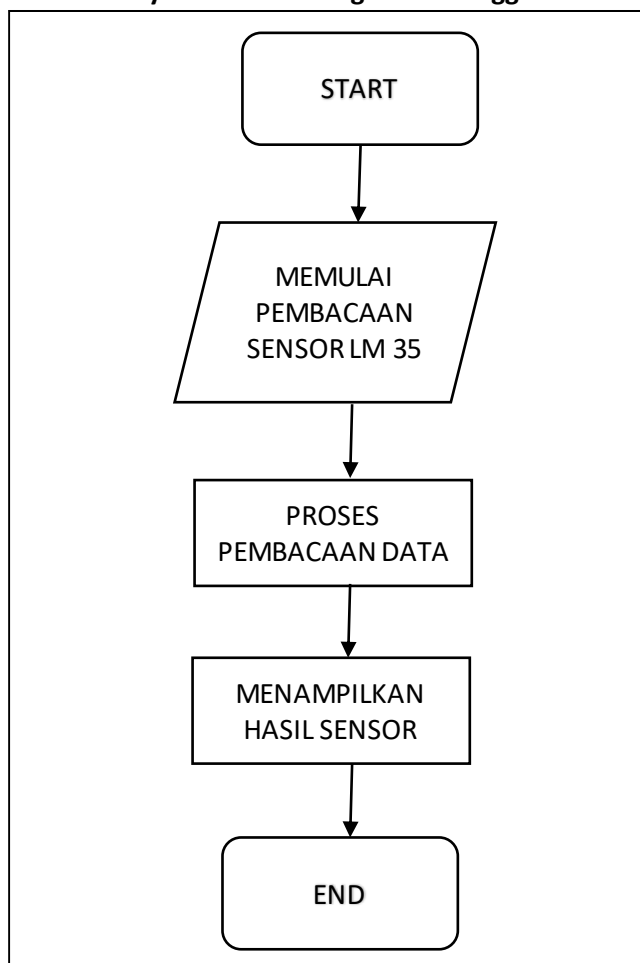


Nama : Dara Ditya
NIM / Semester : 200220008 (Shift) / V (Lima)
Mata Kuliah : Pemrograman 5 (Arduino UNO)
Dosen : Bp. Ahmad Roihan,.M.TI
Jurusan : Sistem Informasi (SI)

1) Gambaran skema rancangan system monitoring suhu menggunakan sensor LM35



2) Flowchart system monitoring suhu menggunakan sensor LM35



3) Pseudocode

```
//initializes/defines the output pin of the LM35 temperature sensor
int outputpin= A0;
//this sets the ground pin to LOW and the input voltage pin to high
void setup()
{
  Serial.begin(115200);
}

//main loop
void loop()
{
  int rawvoltage= analogRead(outputpin);
  float millivolts= (rawvoltage/1024.0) * 3300;
  float celsius= millivolts/10;
  Serial.print(celsius);
  Serial.print(" degrees Celsius, ");

  Serial.print((celsius * 9)/5 + 32); //konversi celcius ke fahrenheit
  Serial.println(" degrees Fahrenheit");
  delay(1000);
}
```

4) Bukti prototype

