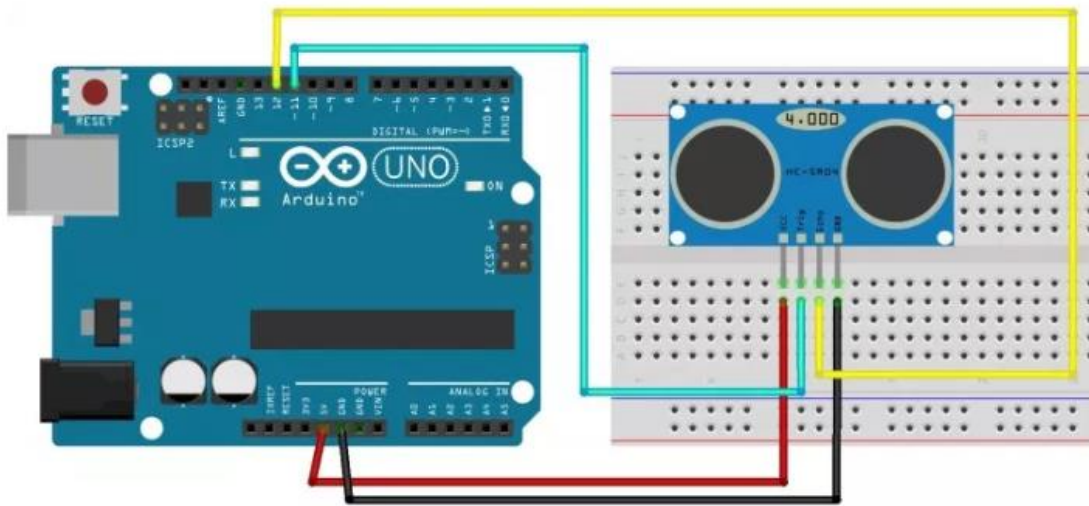


PRAKTIKUM 1

Wiring :



UNO	ULTRASONIK
VCC	VCC
GND	GND
11	TRIGGER
12	ECHO

Code :

```
int trigPin = 11;
int echoPin = 12;
long duration, cm, inches;

void setup() {
  Serial.begin (9600);
  pinMode(trigPin, OUTPUT);
  pinMode(echoPin, INPUT);
}

void loop() {
  digitalWrite(trigPin, LOW);
  delayMicroseconds(5);
  digitalWrite(trigPin, HIGH);
  delayMicroseconds(10);
  digitalWrite(trigPin, LOW);

  pinMode(echoPin, INPUT);
  duration = pulseIn(echoPin, HIGH);
```

```
    cm = (duration/2) / 29.1;  
    inches = (duration/2) / 74;  
    Serial.print("Jarak = ");  
    Serial.print(inches);  
    Serial.print("in, ");  
    Serial.print(cm);  
    Serial.println("cm");  
  
    delay(250);  
}
```

Tampilan Serial Monitor :

