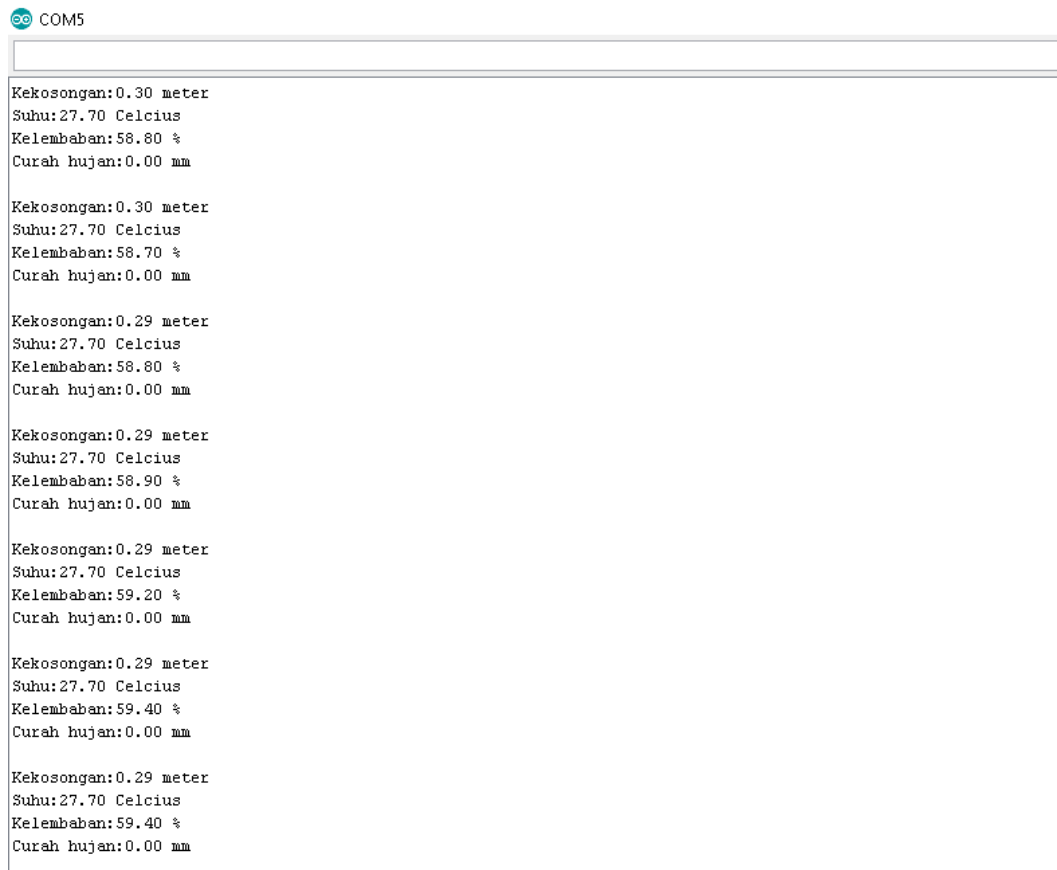


## III.2 Simulasi

### III.2.1 Simulasi Bagian Monitoring

Simulasi saat ini berupa pembacaan sensor, pembacaan informasi waktu, dan keberhasilan memori sd card dalam menyimpan data pada serial monitor *Arduino*

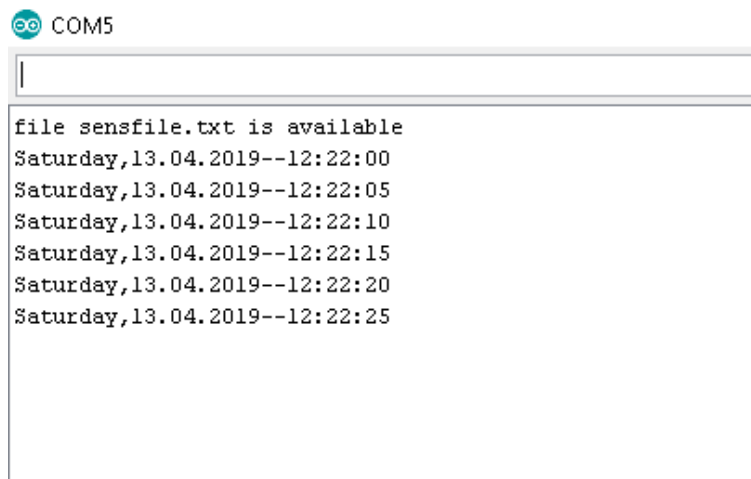


The screenshot shows a serial monitor window titled 'COM5'. It displays a series of sensor readings repeated seven times. Each line of data is as follows:

```
Kekosongan:0.30 meter  
Suhu:27.70 Celcius  
Kelembaban:58.80 %  
Curah hujan:0.00 mm
```

The values for 'Kekosongan' and 'Kelembaban' vary slightly between readings, while 'Suhu' and 'Curah hujan' remain constant.

**Gambar III.1** Simulasi Monitoring Keseluruhan Sensor



The screenshot shows a serial monitor window titled 'COM5'. It displays the following text:

```
file sensfile.txt is available  
Saturday,13.04.2019--12:22:00  
Saturday,13.04.2019--12:22:05  
Saturday,13.04.2019--12:22:10  
Saturday,13.04.2019--12:22:15  
Saturday,13.04.2019--12:22:20  
Saturday,13.04.2019--12:22:25
```

This indicates that the file 'sensfile.txt' is available on the SD card and that the system is logging time-based data.

**Gambar III.2** Simulasi Pembacaan RTC dan penyimpanan SD Card