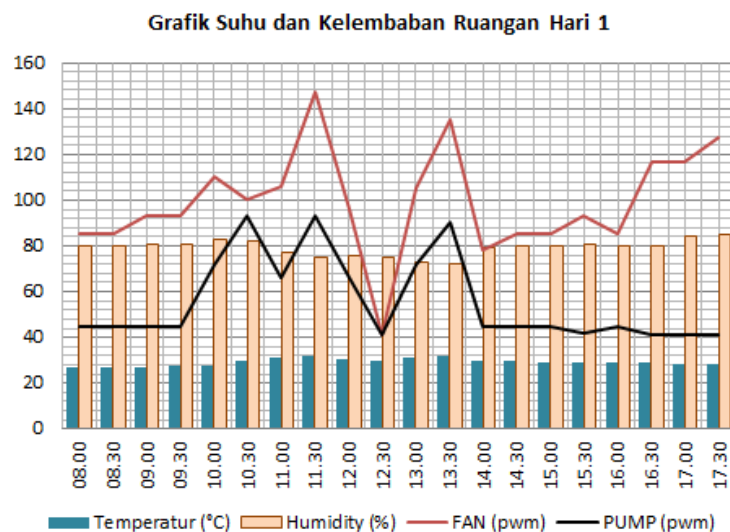


### Hasil Pengujian pada Suhu dan Kelembaban Ruangan Hari Pertama

| Waktu (WIB) | Temperatur (°C) | Humidity (%) | FAN (pwm) | PUMP (pwm) |
|-------------|-----------------|--------------|-----------|------------|
| 08.00       | 26,6            | 80           | 85        | 45         |
| 08.30       | 26,7            | 80           | 85        | 45         |
| 09.00       | 27              | 81           | 93        | 45         |
| 09.30       | 28              | 81           | 93        | 45         |
| 10.00       | 28              | 83           | 110       | 72         |
| 10.30       | 30              | 82           | 100       | 93         |
| 11.00       | 31              | 77           | 106       | 66         |
| 11.30       | 31,8            | 75           | 147       | 93         |
| 12.00       | 30,8            | 76           | 96        | 66         |
| 12.30       | 30              | 75           | 41        | 41         |
| 13.00       | 31              | 73           | 105       | 72         |
| 13.30       | 31,6            | 72           | 135       | 90         |
| 14.00       | 30              | 79           | 78        | 45         |
| 14.30       | 29,8            | 80           | 85        | 45         |
| 15.00       | 29,3            | 80           | 85        | 45         |
| 15.30       | 28,9            | 81           | 93        | 42         |
| 16.00       | 28,8            | 80           | 85        | 45         |
| 16.30       | 28,8            | 80           | 117       | 41         |
| 17.00       | 28,6            | 84           | 117       | 41         |
| 17.30       | 28,5            | 85           | 127       | 41         |

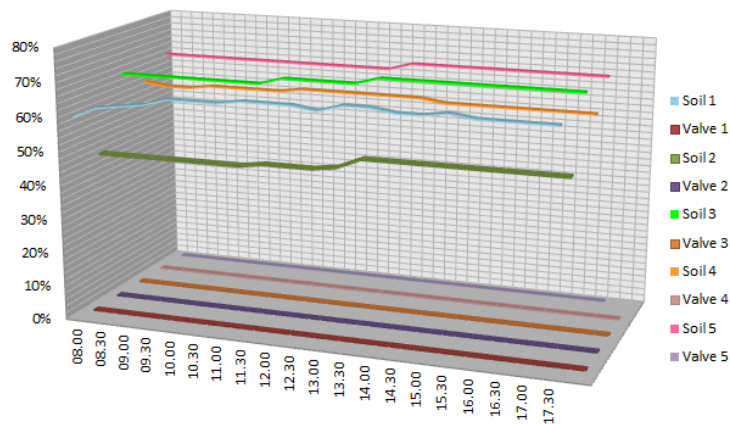


**Gambar** Grafik Suhu dan Kelembaban Ruangan Hari 1

**Tabel** Hasil Pengujian pada Kelembaban Media Tanah Tanaman Hari Pertama

| Waktu | Soil 1 | Valve 1 | Soil 2 | Valve 2 | Soil 3 | Valve 3 | Soil 4 | Valve 4 | Soil 5 | Valve 5 |
|-------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| 08.00 | 60%    | 0       | 46%    | 0       | 67%    | 0       | 62%    | 0       | 68%    | 0       |
| 08.30 | 63%    | 0       | 46%    | 0       | 67%    | 0       | 61%    | 0       | 68%    | 0       |
| 09.00 | 64%    | 0       | 46%    | 0       | 67%    | 0       | 61%    | 0       | 68%    | 0       |
| 09.30 | 65%    | 0       | 46%    | 0       | 67%    | 0       | 62%    | 0       | 68%    | 0       |
| 10.00 | 67%    | 0       | 46%    | 0       | 67%    | 0       | 62%    | 0       | 68%    | 0       |
| 10.30 | 67%    | 0       | 46%    | 0       | 67%    | 0       | 62%    | 0       | 68%    | 0       |
| 11.00 | 67%    | 0       | 46%    | 0       | 67%    | 0       | 62%    | 0       | 68%    | 0       |
| 11.30 | 68%    | 0       | 47%    | 0       | 69%    | 0       | 63%    | 0       | 68%    | 0       |
| 12.00 | 68%    | 0       | 47%    | 0       | 69%    | 0       | 63%    | 0       | 68%    | 0       |
| 12.30 | 68%    | 0       | 47%    | 0       | 69%    | 0       | 63%    | 0       | 68%    | 0       |
| 13.00 | 67%    | 0       | 48%    | 0       | 69%    | 0       | 63%    | 0       | 68%    | 0       |
| 13.30 | 69%    | 0       | 51%    | 0       | 71%    | 0       | 63%    | 0       | 70%    | 0       |
| 14.00 | 69%    | 0       | 51%    | 0       | 71%    | 0       | 63%    | 0       | 70%    | 0       |
| 14.30 | 68%    | 0       | 51%    | 0       | 71%    | 0       | 62%    | 0       | 70%    | 0       |
| 15.00 | 68%    | 0       | 51%    | 0       | 71%    | 0       | 62%    | 0       | 70%    | 0       |
| 15.30 | 69%    | 0       | 51%    | 0       | 71%    | 0       | 62%    | 0       | 70%    | 0       |
| 16.00 | 68%    | 0       | 51%    | 0       | 71%    | 0       | 62%    | 0       | 70%    | 0       |
| 16.30 | 68%    | 0       | 51%    | 0       | 71%    | 0       | 62%    | 0       | 70%    | 0       |
| 17.00 | 68%    | 0       | 51%    | 0       | 71%    | 0       | 62%    | 0       | 70%    | 0       |
| 17.30 | 68%    | 0       | 51%    | 0       | 71%    | 0       | 62%    | 0       | 70%    | 0       |

**Grafik Kelembaban Media Tanah hari 1**



**Grafik Kelembaban Soil Moisture Hari 1**

Pada penelitian hari pertama, pengujian *monitoring* dilakukan dari pagi hingga sore dimana keadaan cuaca pada hari itu kondisi lokasi setelah hujan. Terlihat pada keseluruhan *monitoring* hari pertama di dapatkan nilai tertinggi suhu dalam kondisi panas pada pukul 11.30

WIB dengan suhu 31.8°C dan suhu paling rendah pada pukul 26.6°C pada pukul 08.00 WIB. Sedangkan kelembaban terendah pada pukul 13.30 WIB dengan kelembaban 72% dan kelembaban tertinggi pada pukul 17.30 WIB sore hari pada kelembaban 85%. Pada pemantauan kondisi *soil moisture* berjalan dengan baik dalam keadaan *solenoid valve* kondisi *off* dikarenakan kondisi kelembaban pada masing-masing tanaman di kondisi *ideal*.