**TABEL PENELITIAN**

1. Tabel alamat pin komponen

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Komponen** | **Alamat Pin Komponen** | **Alamat Pin NodeMCU ESP32** |
| 1. | Sensor LDR | A0 | D35 |
| VCC | 3V3 |
| GND | GND |
| 2. | Sensor kelembapan tanah | A0 | D34 |
| VCC | 3V3 |
| GND | GND |
| 3. | Sensor Hujan | A0 | D32 |
| VCC | 3V3 |
| GND | GND |
| 4. | Modul ULN2003 | IN 1 | D19 |
| IN 2 | D18 |
| IN 3 | D5 |
| IN 4 | TX2 |
| V IN + | VIN |
| V IN - | GND |
| 5. | Motor stepper | Langsung menuju modul ULN2003 | Langsung menuju modul ULN2003 |

1. Tabel pengujian komponen

|  |  |  |
| --- | --- | --- |
| **NO** | **KOMPONEN** | **BERFUNGSI (YA/TIDAK)** |
| 1 | Mikrokontroler ESP32 | Ya |
| 2 | Sensor deteksi cahaya | Ya |
| 3 | Sensor deteksi hujan | Ya |
| 4 | Sensor kelembapan tanah | Ya |
| 5 | Motor driver ULN 2003 | Ya |
| 6 | Motor Stepper 28BYJ – 28 | Ya |

1. Tabel pengujian keseluruhan alat

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Kondisi** | **Atap** | **Perintah Telegram** | |
| 1 | Cerah | Terbuka | Bisa dibuka & ditutup |
| 2 | Mendung | Tertutup | Bisa dibuka |
| 3 | Hujan | Tertutup | Tidak bisa dibuka |
| 4 | Cerah Hujan | Tertutup | Tidak bisa dibuka |