1. Tabel Port yang terhubung ke ESP8266

|  |  |  |  |
| --- | --- | --- | --- |
| Hardware | Pin Address Hardware | Pin Address TCA9548A | Pin Address ESP8266 |
| - | - | Vin | 3V |
| GND | GND |
| SDA | D2 |
| SCL | D1 |
| MLX 90614 (1) | Vin | - | 3V |
| GND | - | GND |
| SCL | SC0 | - |
| SDA | SD0 | - |
| MLX 90614 (2) | Vin | - | 3V |
| GND | - | GND |
| SCL | SC1 | - |
| SDA | SD1 | - |
| E18-D80NK | VCC | - | 5V |
| GND | - | GND |
| OUT | - | D4 |
| Buzzer | VCC | - | 5V |
| GND | - | GND |
| OUT | - | D6 |

1. Tabel Penelitian Sensor Suhu Depan

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Front Temperature Sensor Value(°C) | Thermometer Gun  (°C) | Buzzer | Error  (%) |
| 1 | 49.34 | 48.3 | Off | 2.15 |
| 2 | 50.23 | 49.8 | Off | 0.86 |
| 3 | 51.15 | 50.4 | Off | 1.48 |
| 4 | 54.21 | 53.8 | Off | 0.76 |
| 5 | 57.35 | 56.3 | Off | 1.86 |
| 6 | 60.23 | 59.9 | Off | 0.55 |
| 7 | 62.76 | 61.8 | Off | 1.55 |
| 8 | 65.19 | 64.9 | On | 0.44 |
| 9 | 63.76 | 62.6 | Off | 1.85 |
| 10 | 60.29 | 59.7 | Off | 0.98 |
| Average error | | | | 1.24 |

1. Tabel Penelitian Sensor Suhu Belakang

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Rear Temperature Sensor Value(°C) | Thermometer Gun  (°C) | Buzzer | Error  (%) |
| 1 | 57.76 | 56.2 | Off | 2.77 |
| 2 | 59.25 | 58.7 | Off | 0.93 |
| 3 | 61.64 | 60.4 | Off | 2.05 |
| 4 | 64.87 | 63.1 | Off | 2.80 |
| 5 | 65.25 | 64.7 | On | 0.85 |
| 6 | 63.64 | 62.4 | Off | 1.98 |
| 7 | 61.43 | 60.6 | Off | 1.36 |
| 8 | 58.19 | 57.8 | Off | 0.67 |
| 9 | 57.85 | 56.1 | Off | 3.11 |
| 10 | 56.19 | 55.2 | Off | 1.79 |
| Average error | | | | 1.83 |

1. Tabel Penelitian Sensor Kecepatan

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Speed Sensor  (RPM) | Speedo Meter | Buzzer | Error |
| 1 | 65 | 62 | Off | 4.8 |
| 2 | 80 | 77 | Off | 3.8 |
| 3 | 95 | 92 | Off | 3.2 |
| 4 | 115 | 110 | Off | 4.5 |
| 5 | 120 | 116 | On | 3.4 |
| 6 | 110 | 107 | Off | 2.8 |
| 7 | 95 | 91 | Off | 4.3 |
| 8 | 80 | 77 | Off | 3.8 |
| 9 | 65 | 63 | Off | 3.1 |
| 10 | 55 | 53 | Off | 3.7 |
| Average error | | | | 3.74 |