Data pembacaan sensor diambil tiap minggunya sekali di sore hari.

1. Ketepatan pembacaan sensor DHT dan sensor PH-4502C

Tabel 3-2 Tabel pengujian menggunakan sensor pH pada tanaman kuning

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| pengukuran kadar pH air (pH) | | | | | | | | |
| Data ke- | 7 HST | | 14 HST | | 21 HST | | 28 HST | |
| pH meter | sensor pH | pH meter | sensor pH | pH meter | sensor pH | pH meter | sensor pH |
| 1 | 7,74 |  | 7,86 |  | 7,62 |  | 8,45 |  |
| 2 | 6,92 |  | 8,8 |  | 8,92 |  | 7,93 |  |
| 3 | 8,68 |  | 7,82 |  | 9,24 |  | 9,64 |  |
| 4 | 7,12 |  | 8,7 |  | 7,47 |  | 6,92 |  |
| 5 | 8,29 |  | 7,87 |  | 6,52 |  | 7,36 |  |
| 6 | 7,81 |  | 8,66 |  | 7,18 |  | 8,53 |  |
| ketepatan (%) |  | |  | |  | |  | |
| standar deviasi |  | |  | |  | |  | |
| Tambahan nutrisi (1 tutup botol 7.5 ml) | 8.5 | | 7 | | 9 | | 7.5 | |

Tambahan nutrisi tergantung dari pembacaan sensor ph dan tds pada tanki air

Tabel 3-2 Tabel pengujian menggunakan sensor pH pada tanaman hijau

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| pengukuran kadar pH air (pH) | | | | | | | | |
| Data ke- | 7 HST | | 14 HST | | 21 HST | | 28 HST | |
| pH meter | sensor pH | pH meter | sensor pH | pH meter | sensor pH | pH meter | sensor pH |
| 1 | 10,37 |  | 11,94 |  | 9,23 |  | 8,42 |  |
| 2 | 9,11 |  | 10,53 |  | 10,84 |  | 9,59 |  |
| 3 | 10,39 |  | 9,52 |  | 9,63 |  | 10,35 |  |
| 4 | 9,19 |  | 10,38 |  | 10,53 |  | 9,29 |  |
| 5 | 8,79 |  | 11,72 |  | 8,32 |  | 10,83 |  |
| 6 | 10,85 |  | 9,64 |  | 9,25 |  | 9,62 |  |
| ketepatan (%) |  |  |  |  |  |  |  |  |
| standar deviasi |  |  |  |  |  |  |  |  |
| Tambahan nutrisi (1 tutup botol 7.5 ml) |  | |  | |  | |  | |

Tabel 3-3 Tabel pengujian menggunakan sensor TDS pada tanaman kuning

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| pengukuran kadar konsentrasi AB mix (PPM) | | | | | | | | |
| Data ke- | 7 HST | | 14 HST | | 21 HST | | 28 HST | |
| TDS meter | sensor TDS | TDS meter | sensor TDS | TDS meter | sensor TDS | TDS meter | sensor TDS |
| 1 | 890 |  | 1240 |  | 1120 |  | 1150 |  |
| 2 | 890 |  | 1240 |  | 1120 |  | 1150 |  |
| 3 | 880 |  | 1230 |  | 1120 |  | 1150 |  |
| 4 | 890 |  | 1240 |  | 1120 |  | 1150 |  |
| 5 | 890 |  | 1240 |  | 1120 |  | 1150 |  |
| 6 | 880 |  | 1230 |  | 1130 |  | 1130 |  |
| ketepatan (%) |  |  |  |  |  |  |  |  |
| standar deviasi |  |  |  |  |  |  |  |  |

Tabel 3-3 Tabel pengujian menggunakan sensor TDS pada tanaman hijau

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| pengukuran kadar konsentrasi AB mix (PPM) | | | | | | | | |
| Data ke- | 7 HST | | 14 HST | | 21 HST | | 28 HST | |
| TDS meter | sensor TDS | TDS meter | sensor TDS | TDS meter | sensor TDS | TDS meter | sensor TDS |
| 1 | 1130 | 1298 | 1240 | 1159 | 1120 | 989 | 1150 | 1109 |
| 2 | 1120 | 1230 | 1240 | 1259 | 1120 | 1209 | 1140 | 1087 |
| 3 | 1120 | 1032 | 1230 | 1282 | 1120 | 1189 | 1150 | 1203 |
| 4 | 1110 | 1235 | 1240 | 1189 | 1120 | 1096 | 1150 | 1196 |
| 5 | 1120 | 1169 | 1240 | 1095 | 1120 | 1203 | 1150 | 1294 |
| 6 | 1120 | 1152 | 1230 | 1154 | 1130 | 1078 | 1150 | 1043 |
| ketepatan (%) | 96,67 | 31,67 | 95,56 | 46,11 | 97,22 | 27,00 | 97,22 | 24,33 |
| standar deviasi | 6,32 | 91,70 | 5,16 | 70,01 | 4,08 | 88,03 | 4,08 | 92,29 |

1. Ketepatan pembacaan *image processing*

Tabel 3‑4 Tabel pengujian kondisi tanaman kuning

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| kondisi tanaman | | | | |
| Tanaman | 7 HST | 14 HST | 21 HST | 28 HST |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |

Tabel 3‑4 Tabel pengujian kondisi tanaman hijau

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| kondisi tanaman | | | | |
| Tanaman | 7 HST | 14 HST | 21 HST | 28 HST |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |