Tabel 1.Sifat fisik dan kimia tanah percobaan di Kebun Percobaan Asembagus, Situbondo

|  |  |  |
| --- | --- | --- |
| Sifat Tanah | Nilai | Kategori |
| pH 1:1 H2O | 7.0 | Netral |
| pH KCl 1 N | 6.8 |  |
| C-Organik (%) | 0.56 | Sangat rendah |
| N-total (%) | 0.06 | Sangat rendah |
| C/N | 9.3 | Rendah |
| P Olsen (mg kg-1) | 51.38 | Sangat tinggi |
| K(NH4OAC 1N pH:7)(me/100 g) | 1.42 | Sangat tinggi |
| Na (NH4OAC 1N pH:7)(me/100 g) | 1.09 | Sangat tinggi |
| Ca (NH4OAC 1N pH:7)(me/100 g) | 11.58 | Tinggi |
| Mg (NH4OAC 1N pH:7)(me/100 g) | 1.81 | Sedang |
| KTK (me/100 g) | 15.87 | Rendah |
| Jumlah basa | 15.90 |  |
| Kejenuhan Basa (%) | 100 | Sangat tinggi |
| Pasir (%) | 81 |  |
| Debu (%) | 19 | Pasir berlempung |
| Liat (%) | 0 |  |

Tabel 2. Penampilan kandungan khlorofil relatif dan hasil kuantum maksimal dari fotokimia primer (Fv/Fm) klon/varietas tebu di lahan kering berpasir.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Klon/Varietas | Kandungan khlorofil relatif | | Fv/Fm | |
| 17 | 12.20 | bc | 0.710 | a-c |
| 87 | 12.18 | bc | 0.695 | b-d |
| 90 | 10.38 | de | 0.670 | c-e |
| 104 | 14.62 | a | 0.728 | ab |
| 212 | 12.31 | bc | 0.699 | b-d |
| 351 | 9.18 | f | 0.646 | de |
| 354 | 10.38 | de | 0.685 | b-e |
| 451 | 9.57 | ef | 0.652 | de |
| 452 | 8.31 | g | 0.642 | e |
| PBG 2 | 10.49 | d | 0.670 | c-e |
| 386 SOF 1118 | 14.93 | a | 0.754 | a |
| 400 SOF 1132 | 10.24 | de | 0.648 | de |
| PS 881 | 11.58 | c | 0.664 | c-e |
| Cenning | 11.43 | c | 0.676 | b-e |

Keterangan : Angka yang didampingi huruf sama dalam satu kolom berarti tidak berbeda nyata pada uji jarak ganda Duncan (DMRT) taraf 5%.

Tabel 3. Penampilan jumlah dan panjang ruas batang klon/varietas tebu di lahan kering berpasir.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Klon/Varietas | Jumlah ruas  per batang | | Panjang ruas (cm) | | Panjang batang  (cm) | | Diameter batang  (mm) | |
| 17 | 15.56 | fg | 16.31 | ab | 253.65 | b-e | 30.33 | a-c |
| 87 | 17.04 | c-e | 15.64 | b-d | 266.11 | a-c | 31.81 | a |
| 90 | 14.72 | g | 16.97 | a | 249.62 | c-e | 27.52 | de |
| 104 | 18.15 | bc | 15.37 | b-d | 278.35 | a | 29.16 | b-d |
| 212 | 17.59 | cd | 15.11 | cd | 264.37 | a-c | 27.42 | de |
| 351 | 16.04 | e-g | 15.51 | b-d | 248.59 | c-e | 23.76 | f |
| 354 | 19.77 | a | 11.46 | e | 224.43 | f | 30.60 | ab |
| 451 | 20.15 | a | 12.12 | e | 244.12 | de | 26.79 | e |
| 452 | 16.40 | d-f | 14.65 | d | 240.12 | ef | 26.28 | e |
| PBG 2 | 15.36 | fg | 16.03 | a-c | 244.94 | de | 28.29 | c-e |
| 386 SOF 1118 | 15.96 | e-g | 14.84 | cd | 235.41 | ef | 29.51 | b-d |
| 400 SOF 1132 | 17.32 | c-e | 11.51 | e | 199.32 | g | 26.72 | e |
| PS 881 | 15.42 | fg | 14.42 | d | 221.01 | f | 27.89 | de |
| Cenning | 16.25 | d-f | 16.53 | ab | 268.38 | ab | 27.75 | de |

Keterangan : Angka yang didampingi huruf sama dalam satu kolom berarti tidak berbeda nyata pada uji jarak ganda Duncan (DMRT) taraf 5%.

Tabel 4. Penampilan jumlah batang terpanen dan produktivitas klon/varietas tebu di lahan kering berpasir.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Klon/Varietas | Bobot batang  (kg batang-1) | | Jumlah batang  per m juring | | Produktivitas  (t ha-1) | |
| 17 | 1.617 | ab | 8.76 | fg | 85.53 | b |
| 87 | 1.560 | a-c | 8.28 | g | 78.01 | b-d |
| 90 | 1.338 | de | 9.20 | ef | 73.38 | c-e |
| 104 | 1.629 | a | 9.91 | de | 98.19 | a |
| 212 | 1.617 | ab | 10.00 | de | 98.26 | a |
| 351 | 1.198 | f | 11.76 | b | 85.69 | b |
| 354 | 1.600 | ab | 6.93 | h | 67.30 | e |
| 451 | 1.213 | ef | 9.61 | e | 70.95 | de |
| 452 | 1.000 | g | 13.57 | a | 83.11 | b |
| PBG 2 | 1.444 | cd | 11.11 | bc | 97.42 | a |
| 386 SOF 1118 | 1.647 | a | 8.08 | g | 80.24 | bc |
| 400 SOF 1132 | 1.247 | ef | 10.61 | cd | 81.71 | bc |
| PS 881 | 1.358 | de | 9.12 | ef | 75.68 | cd |
| Cenning | 1.481 | bc | 11.76 | b | 105.42 | a |

Keterangan : Angka yang didampingi huruf sama dalam satu kolom berarti tidak berbeda nyata pada uji jarak ganda Duncan (DMRT) taraf 5%.

Tabel 5. Penampilan faktor perah, nilai nira dan rendemen klon/varietas tebu di lahan kering berpasir.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Klon/Varietas | Faktor Perah | | Nilai Nira | | Rendemen (%) | |
| 17 | 0.537 | e | 11.34 | e | 6.08 | e |
| 87 | 0.545 | de | 11.52 | de | 6.33 | e |
| 90 | 0.534 | e | 11.67 | de | 6.25 | e |
| 104 | 0.649 | ab | 14.45 | c | 9.43 | b |
| 212 | 0.662 | a | 12.62 | d | 8.31 | c |
| 351 | 0.621 | a-c | 16.63 | ab | 10.17 | b |
| 354 | 0.469 | f | 16.69 | ab | 7.74 | cd |
| 451 | 0.458 | f | 17.68 | a | 8.00 | c |
| 452 | 0.596 | b-e | 15.70 | b | 9.39 | b |
| PBG 2 | 0.605 | a-d | 15.71 | b | 9.46 | b |
| 386 SOF 1118 | 0.556 | c-e | 17.86 | a | 9.91 | b |
| 400 SOF 1132 | 0.562 | c-e | 17.67 | a | 9.85 | b |
| PS 881 | 0.670 | a | 17.45 | a | 11.66 | a |
| Cenning | 0.544 | de | 12.57 | d | 6.94 | de |

Keterangan : Angka yang didampingi huruf sama dalam satu kolom berarti tidak berbeda nyata pada uji jarak ganda Duncan (DMRT) taraf 5%.

Tabel 6. Penampilan hasil hablur klon/varietas tebu di lahan kering berpasir.

|  |  |  |
| --- | --- | --- |
| Klon/Varietas | Hablur (t ha-1) | |
| 17 | 5.16 | ef |
| 87 | 4.95 | f |
| 90 | 4.65 | f |
| 104 | 9.24 | a |
| 212 | 8.17 | b-d |
| 351 | 8.69 | ab |
| 354 | 5.32 | ef |
| 451 | 5.69 | e |
| 452 | 7.77 | cd |
| PBG 2 | 9.16 | a |
| 386 SOF 1118 | 7.97 | b-d |
| 400 SOF 1132 | 8.24 | bc |
| PS 881 | 8.84 | ab |
| Cenning | 7.47 | d |

Keterangan : Angka yang didampingi huruf sama dalam satu kolom berarti tidak berbeda nyata pada uji jarak ganda Duncan (DMRT) taraf 5%.