

Lampiran 1. Denah Petak Percobaan



Keterangan :



: Ulangan I

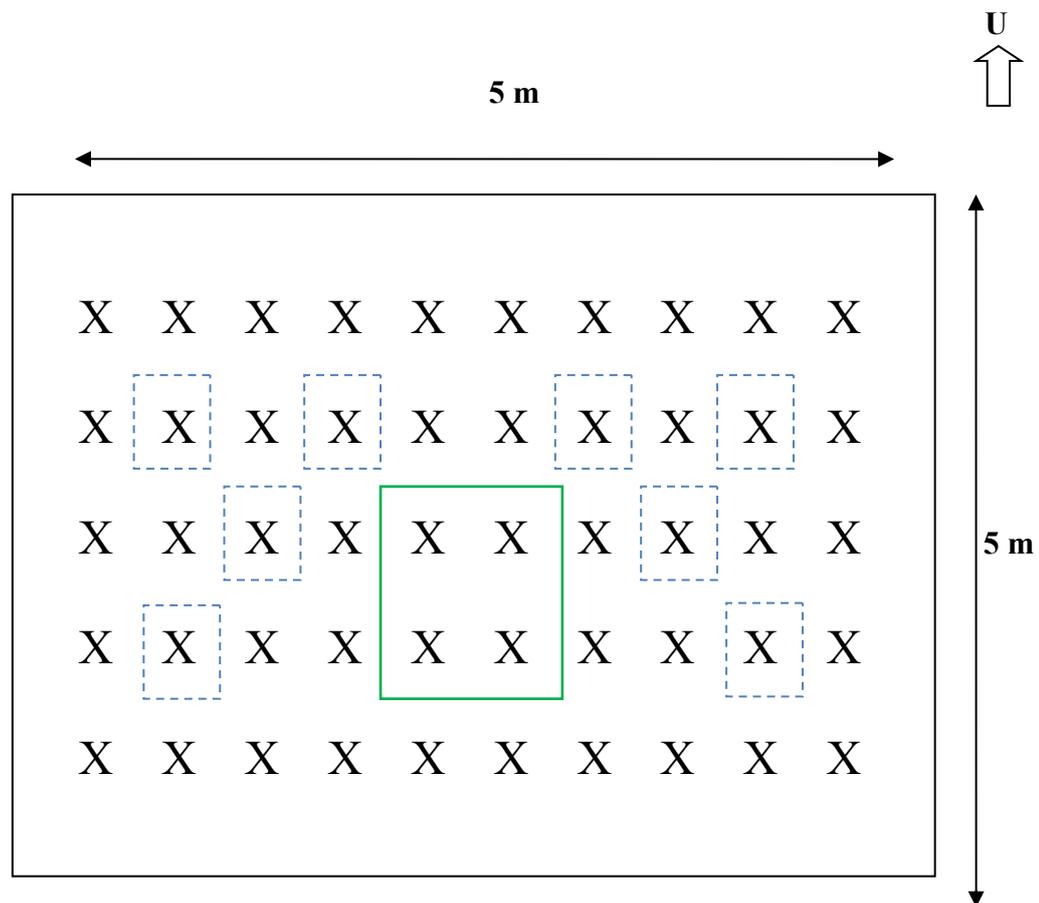
: Ulangan II

: Ulangan III

Jarak antar petak : 100 cm

Jarak antar ulangan : 100 cm

Lampiran 2. Petak Pengambilan Sampel Tanaman



Jumlah populasi 50 tanaman

Keterangan :

X

: Tanaman tebu



: Pengamatan gulma



: Pengamatan non destruktif

Jarak PKP : 100 cm

Jarak tanam dalam baris : 50 cm

Panjang petak : 5 m

Lebar petak : 5 m

Lampiran 3. Deskripsi Tebu Varietas Cening

Sifat Morfologi

Batang

| | |
|-----------------------------|---|
| Bentuk ruas | : Lurus, silindris |
| Warna batang | : Ungu kecokelatan |
| Lapisan lilin | : Tebal, mempengaruhi warna ruas |
| Alur mata | : Sempit, tidak mencapai tengah ruas, dangkal |
| Retakan tumbuh | : Tidak ada |
| Cincin tumbuh | : Melingkar datar, menyinggung puncak mata |
| Teras dan lubang | : Masif |
| Bentuk buku ruas | : Silindris |
| Bentuk penampang melintang: | Bulat |

Daun

| | |
|--------------------------|--|
| Warna helai daun | : Hijau |
| Telinga daun | : Ada, tinggi > 1 - < 3 kali lebarnya, dan kedudukan tegak |
| Bulu bidang punggung | : Ada, condong, lebat, rambut bidang tepi tidak ada |
| Lebar daun | : 4,5 – 5,5 cm |
| Lengkung daun | : Melengkung $< \frac{1}{2}$ |
| Sifat lepas pelepah daun | : Mudah |

Mata

| | |
|-------------------|--|
| Letak mata | : Pada bekas pangkal pelepah daun |
| Bentuk mata | : Bulat |
| Sayap mata | : Berukuran sama lebar, dengan tepi sayap rata, bagian basis lebar |
| Rambut tepi basal | : Ada |
| Rambut jambul | : Tidak ada |
| Titik tumbuh | : Di atas tengah mata |

Sifat Agronomis

| | |
|----------------------------|---------------------------------|
| Perkecambahan | : Sedang |
| Awal pertunasan | : Sedang |
| Kerapatan batang | : 10-12 batang / meter juringan |
| Diameter batang besar (cm) | : 2,43 – 3,00 |
| Pembungaan | : Jarang sampai sporadis |
| Tipe kemasakan | : Awal – Tengah |
| Daya kepras | : Tahan kepras |

Potensi Produksi

| | |
|----------------------|---------|
| Hasil tebu (ku/ha) | : 755 |
| Rendemen | : 10,97 |
| Hasil hablur (ku/ha) | : 71,14 |

Ketahanan Hama dan Penyakit

| | |
|-------------------|--|
| Penggerek pucuk | : Tahan |
| Penggerek batang | : Tahan |
| Mosaik | : Tahan |
| Pokkahbung | : Tahan |
| Luka api | : Tahan |
| Kesesuaian lokasi | : Sesuai untuk lahan aluvial, grumosol, dan mediteran yang berpengairan cukup |
| Evaluators lapang | : Eka Sugiyarta, Kusmiyanto, Adi Praptono, Danang Heru P., Syukur Sulu, Basrul Gandong, Sulistyana dan Mardiyana C.H. |
| Pengusul | : Dinas Perkebunan Provinsi Sulawesi Selatan, Balai Besar Perbenihan dan Proteksi Tanaman Perkebunan (BBP2TP) Surabaya, dan Pusat Penelitian Perkebunan Gula Indonesia (P3GI) Pasuruan, PG. Takalar, PG. Camming, dan PG. Arasoe Bone. |

Lampiran 4. Perhitungan Dosis Pupuk

Populasi : $5 \times 10 = 50$ tanaman per petak

Luas petak : $5 \text{ m} \times 5 \text{ m} = 25 \text{ m}^2$

Jumlah petak : 33

Pupuk rekomendasi:

Urea : 250 kg ha^{-1}

- Kebutuhan pupuk urea

$$\begin{aligned} \text{Kebutuhan urea per petak} &= \frac{250 \text{ kg ha}^{-1}}{25 \text{ m}^2} \\ &= 10 \text{ kg per petak} \\ &= 10000 \text{ g per petak} \end{aligned}$$

- Kebutuhan urea per tanaman =
 $= 10000 \text{ g per petak} \div 50 \text{ tanaman per petak}$
 $= 200 \text{ g per tanaman}$

- Kebutuhan total = $33 \times 200 \text{ g}$
 $= 6600 \text{ g}$

Lampiran 5. Perhitungan Kebutuhan Herbisida

❖ Perhitungan Kebutuhan Herbisida Ametrin 1 l ha⁻¹

$$\text{Dosis herbisida } 1 \text{ l.ha}^{-1}/ \text{petak} = \frac{1000 \text{ ml} \times 25 \text{ m}^2}{10.000 \text{ m}^2}$$

$$= 2,5 \text{ ml}$$

$$\text{Volume semprot} = 500 \text{ l ha}^{-1}$$

$$\text{Kebutuhan air per petak} = \frac{500 \text{ l} \times 25 \text{ m}^2}{10.000 \text{ m}^2}$$

$$= 1,25 \text{ l air / petak}$$

$$\text{Konsentrasi formulasi} = \frac{2,5 \text{ ml}}{1250 \text{ ml}}$$

$$= 2 \text{ ml/l air}$$

❖ Perhitungan Kebutuhan Herbisida Ametrin 1,5 l ha⁻¹

$$\text{Dosis herbisida } 1,5 \text{ l.ha}^{-1}/ \text{petak} = \frac{1500 \text{ ml} \times 25 \text{ m}^2}{10.000 \text{ m}^2}$$

$$= 3,75 \text{ ml}$$

$$\text{Volume semprot} = 500 \text{ l ha}^{-1}$$

$$\text{Kebutuhan air per petak} = \frac{500 \text{ l} \times 25 \text{ m}^2}{10.000 \text{ m}^2}$$

$$= 1,25 \text{ l air / petak}$$

$$\text{Konsentrasi formulasi} = \frac{3,75 \text{ ml}}{1250 \text{ ml}}$$

$$= 3 \text{ ml/l air}$$

Lampiran 6. Perhitungan Kalibrasi Sprayer

1. Debit nozel

| Volume (ml) | Waktu (detik/ulangan) | | | Rata-rata |
|-------------|-----------------------|-------|------|-----------|
| | 1 | 2 | 3 | |
| 1000 | 51,2 | 54,14 | 52,7 | 52,68 |

1 liter = 52,68

Untuk volume semprot 500 ml = 26,34

2. Panjang perjalanan

1 ha = 10.000 m² : 1 m = 10.000 m

1 petak = 25 m² : 1 m = 25 m

3. Kecepatan jalan = 10.000 m : 26,34 detik = 0,37 m/detik

4. Waktu yang dibutuhkan untuk 1 petak = 25 m : 0,37 m/detik = 67,56 detik

Lampiran 7. Analisa Usahatani Tanaman Tebu Varietas Cenning per Hektar

| No | Deskripsi | Satuan | Perlakuan | | | | | | | | | | |
|----|----------------------------|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | H0 | H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | H9 | H10 |
| A. | Biaya tetap | | | | | | | | | | | | |
| 1 | Sewa lahan | ha | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| B. | Biaya variabel | | | | | | | | | | | | |
| 1 | Bibit budchips | mata | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| 2 | Pupuk urea | kg | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| 3 | Herbisida | liter | - | - | - | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |
| 4 | Tenaga Kerja | | | | | | | | | | | | |
| - | Pengolahan lahan (tractor) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| - | Tanam | hok | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| - | Pemupukan | hok | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| - | Penyiangan (1x dan 2x) | hok | 400 | - | 80 | - | - | 40 | 40 | 40 | 40 | 80 | 80 |
| - | Penyemprotan | hok | - | - | - | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| - | Gulud | hok | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

| No | Deskripsi | Satuan | Perlakuan | | | | | | | | | | |
|----|-----------------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | | H0 | H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | H9 | H10 |
| A. | Biaya tetap | (Rp/sat) | | | | | | | | | | | |
| 1 | Sewa lahan | 10,000,000 | 10,000,000 | 10,000,000 | 10,000,000 | 10,000,000 | 10,000,000 | 10,000,000 | 10,000,000 | 10,000,000 | 10,000,000 | 10,000,000 | 10,000,000 |
| B. | Biaya variabel | | | | | | | | | | | | |
| 1 | Bibit budchips | 400 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 | 6,000,000 |
| 2 | Pupuk urca | 2,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 |
| 3 | Herbisida | 75,000 | - | - | - | 75,000 | 150,000 | 75,000 | 150,000 | 75,000 | 150,000 | 75,000 | 150,000 |
| 4 | Tenaga Kerja | | | | | | | | | | | | |
| - | Pengolahan lahan (tractor) | 8,000,000 | 8,000,000 | 8,000,000 | 8,000,000 | 8,000,000 | 8,000,000 | 8,000,000 | 8,000,000 | 8,000,000 | 8,000,000 | 8,000,000 | 8,000,000 |
| - | Tanam | 30,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 |
| - | Pemupukan | 30,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 |
| - | Penyiangan (1x dan 2x) | 35,000 | 14,000,000 | - | 2,800,000 | - | - | 1,400,000 | 1,400,000 | 1,400,000 | 1,400,000 | 2,800,000 | 2,800,000 |
| - | Penyemprotan | 35,000 | - | - | - | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 |
| - | Gulud | 35,000 | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 | 700,000 |
| | Biaya pengendalian | | 14,000,000 | - | 2,800,000 | 775,000 | 850,000 | 2,175,000 | 2,250,000 | 2,175,000 | 2,250,000 | 3,575,000 | 3,650,000 |
| | Total biaya variabel | | 42,100,000 | 28,100,000 | 30,900,000 | 28,875,000 | 28,950,000 | 30,275,000 | 30,350,000 | 30,275,000 | 30,350,000 | 31,675,000 | 31,750,000 |

Lampiran 8. Nilai SDR Gulma pada Umur Pengamatan 4 MST

| No | Nama Gulma | SDR SOT | H0 | H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | H9 | H10 |
|----|------------------------------|------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|--------------|--------------|
| 1 | <i>Borreria alata</i> | 21.64 | | | | | | | | | | | |
| 2 | <i>Marsilea crenata</i> | 4.75 | | 4.93 | | | | | | | | | |
| 3 | <i>Cyperus rotundus</i> | 6.82 | 41.67 | 26.76 | 24.31 | 35.36 | 50.59 | 65.77 | 64.87 | 55.46 | 56.82 | 33.23 | 44.18 |
| 4 | <i>Euphorbia hirta</i> | 2.33 | | | | | | | | | | | |
| 5 | <i>Digitaria ciliaris</i> | 4.43 | | | | | | | | | | | |
| 6 | <i>Cyperus iria</i> | 5.06 | | | | | | | | | | | |
| 7 | <i>Cynodon dactylon</i> | 11.3 | 13.21 | 27.85 | 20.12 | 16.86 | 38.62 | 34.22 | 35.09 | 35.38 | 31.78 | 11.21 | 29.56 |
| 8 | <i>Fimbristylis miliacea</i> | 13.83 | 9.07 | | | | | | | | | | |
| 9 | <i>Phyllanthus niruri</i> | 6.03 | | | | 6.95 | | | | 9.23 | 11.56 | | |
| 10 | <i>Eleusine indica</i> | 4.83 | | | | | | | | | | | |
| 11 | <i>Ipomoea aquatica</i> | 6.64 | 19.56 | 10.32 | 9.56 | 25.11 | | | | | | 15.34 | 26.21 |
| 12 | <i>Portulaca oleracea</i> | 2.6 | | 8.01 | | | | | | | | | |
| 13 | <i>Eclipta alba</i> | 7.4 | | 7.69 | | | | | | | | | |
| 14 | <i>Hedyotis corymbosa</i> | 2.34 | | | | | | | | | | | |
| 15 | <i>Amaranthus spinosus</i> | | | | 4.57 | | | | | | | | |
| 16 | <i>Cyanotis axillaris</i> | | | 14.40 | 19.01 | | | | | | | 14.88 | |
| 17 | <i>Cleome rutidosperma</i> | | | | | | 10.79 | | | | | | |
| 18 | <i>Brachiaria distachya</i> | | | | | 15.65 | | | | | | | |
| 19 | <i>Echinochloa coloum</i> | | 16.42 | | 14.08 | | | | | | | 11.46 | |
| 20 | <i>Momordica charantia</i> | | | | | | | | | | | | |
| 21 | <i>Panicum repens L.</i> | | | | 8.24 | | | | | | | 13.85 | |
| 22 | <i>Lindernia antipoda</i> | | | | | | | | | | | | |
| 23 | <i>Physalis minima Linn</i> | | | | | | | | | | | | |
| | Total | 100 | 99.93 | 99.96 | 99.89 | 99.93 | 100 | 100 | 100 | 100 | 100 | 99.97 | 99.95 |

Keterangan: H0 = Bebas gulma; H1 = Bergulma; H2 = Penyiangan 4 MST + 8 MST; H3 = Herbisida Ametrin 1 l ha⁻¹; H4 = Herbisida Ametrin 1,5 l ha⁻¹; H5= Herbisida Ametrin 1 l ha⁻¹ + penyiangan 4 MST; H6 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 4 MST; H7 = Herbisida Ametrin 1 l ha⁻¹ + penyiangan 8 MST; H8 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 8 MST; H9 = Herbisida Ametrin 1 l ha⁻¹ + penyiangan 4 MST + penyiangan 8 MST; H10 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 4 MST + penyiangan 8 MST

Lampiran 9. Nilai SDR Gulma pada Umur Pengamatan 8 MST

| No | Nama Gulma | SDR SOT | H0 | H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | H9 | H10 |
|----|------------------------------|------------|--------------|--------------|------------|------------|--------------|------------|------------|--------------|--------------|--------------|--------------|
| 1 | <i>Borreria alata</i> | 21.64 | | | | | | | | | | | |
| 2 | <i>Marsilea crenata</i> | 4.75 | | | | | | | | | | | |
| 3 | <i>Cyperus rotundus</i> | 6.82 | 53.60 | 44.00 | 61.63 | 59.21 | 64.77 | 75.73 | 56.92 | 65.99 | 43.80 | 65.60 | 68.86 |
| 4 | <i>Euphorbia hirta</i> | 2.33 | | | | | | | | | | | |
| 5 | <i>Digitaria ciliaris</i> | 4.43 | | | | | | | | | | | |
| 6 | <i>Cyperus iria</i> | 5.06 | | | | | | | | | | | |
| 7 | <i>Cynodon dactylon</i> | 11.3 | 12.68 | 27.40 | 38.32 | 40.74 | 35.16 | 24.35 | 13.09 | 33.96 | 33.72 | 34.34 | 31.07 |
| 8 | <i>Fimbristylis miliacea</i> | 13.83 | | | | | | | | | | | |
| 9 | <i>Phyllanthus niruri</i> | 6.03 | | | | | | | | | | | |
| 10 | <i>Eleusine indica</i> | 4.83 | | | | | | | | | | | |
| 11 | <i>Ipomoea aquatica</i> | 6.64 | 16.33 | 16.35 | | | | | 29.99 | | 22.46 | | |
| 12 | <i>Portulaca oleracea</i> | 2.6 | | | | | | | | | | | |
| 13 | <i>Eclipta alba</i> | 7.4 | | | | | | | | | | | |
| 14 | <i>Hedyotis corymbosa</i> | 2.34 | | | | | | | | | | | |
| 15 | <i>Amaranthus spinosus</i> | | | | | | | | | | | | |
| 16 | <i>Cyanotis axillaris</i> | | | 12.17 | | | | | | | | | |
| 17 | <i>Cleome rutidosperma</i> | | | | | | | | | | | | |
| 18 | <i>Brachiaria distachya</i> | | | | | | | | | | | | |
| 19 | <i>Echinochloa colonum</i> | | 17.38 | | | | | | | | | | |
| 20 | <i>Momordica charantia</i> | | | | | | | | | | | | |
| 21 | <i>Panicum repens L.</i> | | | | | | | | | | | | |
| 22 | <i>Lindernia antipoda</i> | | | | | | | | | | | | |
| 23 | <i>Physalis minima</i> Linn | | | | | | | | | | | | |
| | Total | 100 | 99.99 | 99.92 | 100 | 100 | 99.93 | 100 | 100 | 99.95 | 99.98 | 99.94 | 99.93 |

Keterangan: H0 = Bebas gulma; H1 = Bergulma; H2 = Penyiangan 4 MST + 8 MST; H3 = Herbisida Ametrin 1 l ha⁻¹; H4 = Herbisida Ametrin 1,5 l ha⁻¹; H5= Herbisida Ametrin 1 l ha⁻¹ + penyiangan 4 MST; H6 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 4 MST; H7 = Herbisida Ametrin 1 l ha⁻¹ + penyiangan 8 MST; H8 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 8 MST; H9 = Herbisida Ametrin 1 l ha⁻¹ + penyiangan 4 MST + penyiangan 8 MST; H10 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 4 MST + penyiangan 8 MST

Lampiran 10. Nilai SDR Gulma pada Umur Pengamatan 12 MST

| No | Nama Gulma | SDR SOT | H0 | H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | H9 | H10 |
|----|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | <i>Borreria alata</i> | 21,64 | | | | | | | | | | | |
| 2 | <i>Marsilea crenata</i> | 4,75 | | | | | | | | | | | |
| 3 | <i>Cyperus rotundus</i> | 6,82 | 27,56 | 34,33 | 33,24 | 36,76 | 38,46 | 50,94 | 44,62 | 50,33 | 48,39 | 28,48 | 42,79 |
| 4 | <i>Euphorbia hirta</i> | 2,33 | | | | | | | | | | | |
| 5 | <i>Digitaria ciliaris</i> | 4,43 | | | | | | | | | | | |
| 6 | <i>Cyperus iria</i> | 5,06 | | 10,51 | 14,33 | 11,92 | 12,62 | 15,91 | 16,83 | | 17,57 | 10,22 | 12,09 |
| 7 | <i>Cynodon dactylon</i> | 11,3 | 9,81 | 22,63 | 25,15 | 19,42 | 25,08 | 22,60 | 14,98 | 25,76 | 34,04 | 11,37 | 8,73 |
| 8 | <i>Fimbristylis miliacea</i> | 13,83 | | | | | | | | | | | |
| 9 | <i>Phyllanthus niruri</i> | 6,03 | | | | | | | | | | | |
| 10 | <i>Eleusine indica</i> | 4,83 | | | | | | | | | | | |
| 11 | <i>Ipomoea aquatica</i> | 6,64 | 12,73 | 9,03 | 10,42 | | | | | | | 7,95 | 7,01 |
| 12 | <i>Portulaca oleracea</i> | 2,6 | | | | | | | | | | | |
| 13 | <i>Eclipta alba</i> | 7,4 | | | | | | | | | | | |
| 14 | <i>Hedyotis corymbosa</i> | 2,34 | | | | | | | | | | 4,02 | 6,15 |
| 15 | <i>Amaranthus spinosus</i> | | | | | | | | | | | | |
| 16 | <i>Cyanotis axillaris</i> | | | | | | | | | | | | 7,08 |
| 17 | <i>Cleome rutidosperma</i> | | | | 8,48 | | | | | | | | |
| 18 | <i>Brachiaria distachya</i> | | | | | | | | | | | | |
| 19 | <i>Echinochloa colomum</i> | | 11,79 | 11,69 | | 17,90 | 13,75 | | 11,30 | | | 13,62 | 7,89 |
| 20 | <i>Momordica charantia</i> | | | | | | | | | | | | |
| 21 | <i>Panicum repens L.</i> | | | | | | | | | | | | |
| 22 | <i>Lindernia antipoda</i> | | 29,83 | 11,81 | 8,37 | 14,00 | 10,09 | 10,55 | 12,27 | 13,04 | | 24,33 | 8,28 |
| 23 | <i>Physalis minima</i> Linn | | 8,28 | | | | | | | 10,87 | | | |
| | Total | 100 |

Keterangan: H0 = Bebas gulma; H1 = Bergulma; H2 = Penyiangan 4 MST + 8 MST; H3 = Herbisida Ametrin 1 l ha⁻¹; H4 = Herbisida Ametrin 1,5 l ha⁻¹; H5= Herbisida Ametrin 1 l ha⁻¹ + penyiangan 4 MST; H6 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 4 MST; H7 = Herbisida Ametrin 1 l ha⁻¹ + penyiangan 8 MST; H8 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 8 MST; H9 = Herbisida Ametrin 1 l ha⁻¹ + penyiangan 4 MST + penyiangan 8 MST; H10 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 4 MST + penyiangan 8 MST

Lampiran 11. Nilai SDR Gulma pada Umur Pengamatan 16 MST

| No | Nama Gulma | SDR SOT | H0 | H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | H9 | H10 |
|----|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | <i>Borreria alata</i> | 21,64 | | | | | | | | | | | |
| 2 | <i>Marsilea crenata</i> | 4,75 | | | | | | | | | | | |
| 3 | <i>Cyperus rotundus</i> | 6,82 | 55,16 | 59,24 | 53,55 | 56,02 | 57,79 | 59,36 | 66,36 | 48,84 | 44,04 | 53,59 | 47,08 |
| 4 | <i>Euphorbia hirta</i> | 2,33 | | | | | | | | | | | |
| 5 | <i>Digitaria ciliaris</i> | 4,43 | | | | | | | | | | | |
| 6 | <i>Cyperus iria</i> | 5,06 | | | | | | | | | | | |
| 7 | <i>Cynodon dactylon</i> | 11,3 | 44,84 | 32,02 | 34,26 | | 32,22 | 20,40 | | 33,52 | 47,36 | 30,58 | 33,34 |
| 8 | <i>Fimbristylis miliacea</i> | 13,83 | | | | | | | | | | | |
| 9 | <i>Phyllanthus niruri</i> | 6,03 | | 8,78 | | 27,97 | | 9,24 | 11,59 | | | 7,40 | 9,64 |
| 10 | <i>Eleusine indica</i> | 4,83 | | | | | | | | | | | |
| 11 | <i>Ipomoea aquatica</i> | 6,64 | | | | | | | | | | | |
| 12 | <i>Portulaca oleracea</i> | 2,6 | | | | | | | | | | | |
| 13 | <i>Eclipta alba</i> | 7,4 | | | | | | | | | | | |
| 14 | <i>Hedyotis corymbosa</i> | 2,34 | | | | | | | | | | | |
| 15 | <i>Amaranthus spinosus</i> | | | | | | | | | | | | |
| 16 | <i>Cyanotis axillaris</i> | | | | | | | | | | | | |
| 17 | <i>Cleome rutidosperma</i> | | | | | | | | | | | 8,40 | |
| 18 | <i>Brachiaria distachya</i> | | | | | | | | | | | | |
| 19 | <i>Echinochloa colorum</i> | | | | | | | | | | | | |
| 20 | <i>Momordica charantia</i> | | | | | | | | | | | | |
| 21 | <i>Panicum repens L.</i> | | | | | | | | | | | | |
| 22 | <i>Lindernia antipoda</i> | | | | 12,19 | 16,00 | 10,04 | | 22,03 | 8,57 | 8,65 | | 9,99 |
| 23 | <i>Physalis minima Linn</i> | | | | | | | 11,01 | | 9,12 | | | |
| | Total | 100 |

Keterangan: H0 = Bebas gulma; H1 = Bergulma; H2 = Penyiangan 4 MST + 8 MST; H3 = Herbisida Ametrin 1 l ha⁻¹; H4 = Herbisida Ametrin 1,5 l ha⁻¹; H5= Herbisida Ametrin 1 l ha⁻¹ + penyiangan 4 MST; H6 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 4 MST; H7 = Herbisida Ametrin 1 l ha⁻¹ + penyiangan 8 MST; H8 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 8 MST; H9 = Herbisida Ametrin 1 l ha⁻¹ + penyiangan 4 MST + penyiangan 8 MST; H10 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 4 MST + penyiangan 8 MST

Lampiran 12. Nilai SDR Gulma pada Umur Pengamatan 20 MST

| No | Nama Gulma | SDR SOT | H0 | H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | H9 | |
|----|------------------------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 1 | <i>Borreria alata</i> | 21,64 | | | | | | | | | | | |
| 2 | <i>Marsilea crenata</i> | 4,75 | | | | | | | | | | | 51,18 |
| 3 | <i>Cyperus rotundus</i> | 6,82 | 59,43 | 61,20 | 47,35 | 44,94 | 52,86 | 57,02 | 45,27 | 50,91 | 37,94 | 37,09 | 9,49 |
| 4 | <i>Euphorbia hirta</i> | 2,33 | | | | | | | | | | | |
| 5 | <i>Digitaria ciliaris</i> | 4,43 | | | | | | | | | | | |
| 6 | <i>Cyperus iria</i> | 5,06 | | | | | | | | | | | 31,74 |
| 7 | <i>Cynodon dactylon</i> | 11,3 | 30,12 | 26,00 | 39,99 | 35,30 | 19,07 | 42,98 | 38,03 | 27,52 | 47,23 | 52,87 | |
| 8 | <i>Fimbristylis miliacea</i> | 13,83 | | | | | | | | | | | |
| 9 | <i>Phyllanthus niruri</i> | 6,03 | | | | | 7,69 | | | 8,76 | | | |
| 10 | <i>Eleusine indica</i> | 4,83 | | | | | | | | | | | |
| 11 | <i>Ipomoea aquatica</i> | 6,64 | | | | 10,03 | 12,51 | | | | | | |
| 12 | <i>Portulaca oleracea</i> | 2,6 | | | | | | | | | | | |
| 13 | <i>Eclipta alba</i> | 7,4 | | | | | | | | | | | |
| 14 | <i>Hedyotis corymbosa</i> | 2,34 | | | | | | | | | | | |
| 15 | <i>Amaranthus spinosus</i> | | | | | | | | | | | | |
| 16 | <i>Cyanotis axillaris</i> | | | | | | | | | | | | |
| 17 | <i>Cleome rutidosperma</i> | | 10,44 | | | | 7,92 | | | | | | |
| 18 | <i>Brachiaria distachya</i> | | | | | | | | | | | | |
| 19 | <i>Echinochloa colomum</i> | | | | | | | | | | | | |
| 20 | <i>Momordica charantia</i> | | | | | | | | | | | | |
| 21 | <i>Panicum repens L.</i> | | | | | | | | | | | | 7,54 |
| 22 | <i>Lindernia antipoda</i> | | | 12,85 | 12,66 | 9,77 | | | 16,74 | 12,81 | 14,79 | 10,08 | |
| 23 | <i>Physalis minima</i> Linn | | | | | | | | | | | | |
| | Total | 100 | 99,99 | 100 |

Keterangan: H0 = Bebas gulma; H1 = Bergulma; H2 = Penyiangan 4 MST + 8 MST; H3 = Herbisida Ametrin 1 l ha⁻¹; H4 = Herbisida Ametrin 1,5 l ha⁻¹; H5= Herbisida Ametrin 1 l ha⁻¹ + penyiangan 4 MST; H6 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 4 MST; H7 = Herbisida Ametrin 1 l ha⁻¹ + penyiangan 8 MST; H8 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 8 MST; H9 = Herbisida Ametrin 1 l ha⁻¹ + penyiangan 4 MST + penyiangan 8 MST; H10 = Herbisida Ametrin 1,5 l ha⁻¹ + penyiangan 4 MST + penyiangan 8 MST

Lampiran 13. Hasil Analisis Ragam Bobot Kering Total Gulma pada Berbagai Umur Pengamatan (MST)

| Sumber Keragaman | db | 4 MST | | 8 MST | | 12 MST | | 16 MST | | 20 MST | | F Tabel 5% |
|------------------|----|-------|---------|-------|---------|--------|---------|--------|---------|--------|---------|------------|
| | | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | |
| Pelakuan | 10 | 196,4 | 3,84 * | 563,4 | 2,98 * | 856,7 | 14,79 * | 100,30 | 3,03 * | 73,88 | 4,09 * | 2,34 |
| Ulangan | 2 | 44,48 | 0,86 tn | 292,9 | 1,55 tn | 147,6 | 2,54 tn | 82,87 | 2,50 tn | 4,62 | 0,25 tn | 3,49 |
| Galat | 20 | 51,14 | | 188,5 | | 57,89 | | 33,08 | | 18,06 | | |
| Total | 32 | | | | | | | | | | | |

Keterangan : mst = minggu setelah tanam, db = derajat bebas, KT = kuadrat tengah, tn = tidak nyata, * = nyata

Hasil Analisis Ragam Bobot Kering Total Gulma pada Berbagai Umur Pengamatan (MST) setelah ditransformasikan

| Sumber Keragaman | db | 4 MST | | 8 MST | | 12 MST | | 16 MST | | 20 MST | | F Tabel 5% |
|------------------|----|-------|---------|-------|---------|--------|---------|--------|---------|--------|---------|------------|
| | | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | |
| Pelakuan | 10 | 3,16 | 5,82 * | 5,51 | 3,79 * | 5,99 | 18,25 * | 0,98 | 2,64 * | 0,52 | 2,80 * | 2,34 |
| Ulangan | 2 | 0,64 | 1,17 tn | 1,85 | 1,27 tn | 0,82 | 2,51 tn | 1,21 | 3,24 tn | 0,02 | 0,15 tn | 3,49 |
| Galat | 20 | 0,54 | | 1,45 | | 0,32 | | 0,37 | | 0,18 | | |
| Total | 32 | | | | | | | | | | | |

Keterangan : Data diatas ditranformasikan dengan akar $(x+0.5)$ dimana x= data asli mst = minggu setelah tanam, db = derajat bebas, KT = kuadrat tengah, tn = tidak nyata, * = nyata

Lampiran 14. Hasil Analisis Ragam Tinggi Tanaman Tebu pada Berbagai Umur Pengamatan (MST)

| Sumber Keragaman | db | 4 MST | | 8 MST | | 12 MST | | 16 MST | | 20 MST | | F Tabel 5% |
|------------------|----|-------|---------|-------|---------|--------|---------|--------|-------|--------|--------|------------|
| | | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | |
| Pelakuan | 10 | 1,51 | 1,95 tn | 12,54 | 1,53 tn | 302,5 | 23,39* | 796,2 | 4,00* | 932,3 | 11,77* | 2,34 |
| Ulangan | 2 | 1,57 | 2,04 tn | 7,74 | 0,94 tn | 23,93 | 1,85 tn | 768,5 | 3,86* | 575,7 | 7,26* | 3,49 |
| Galat | 20 | 0,77 | | 8,17 | | 12,93 | | 198,9 | | 79,20 | | |
| Total | 32 | | | | | | | | | | | |

Keterangan : mst = minggu setelah tanam, db = derajat bebas, KT = kuadrat tengah, tn = tidak nyata, * = nyata

Lampiran 15. Hasil Analisis Ragam Jumlah Anakan/ Rumpun Tanaman Tebu pada Berbagai Umur Pengamatan (MST)

| Sumber Keragaman | db | 4 MST | | 8 MST | | 12 MST | | 16 MST | | 20 MST | | F Tabel 5% |
|------------------|----|-------|---------|-------|---------|--------|---------|--------|---------|--------|---------|------------|
| | | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | |
| Pelakuan | 10 | 0,18 | 1,09 tn | 2,09 | 1,86 tn | 11,40 | 4,88 * | 13,80 | 8,65* | 12,15 | 3,56* | 2,34 |
| Ulangan | 2 | 0,15 | 0,91 tn | 3,58 | 3,18 tn | 1,30 | 0,55 tn | 0,20 | 0,12 tn | 5,68 | 1,66 tn | 3,49 |
| Galat | 20 | 0,16 | | 1,12 | | 2,33 | | 1,59 | | 3,41 | | |
| Total | 32 | | | | | | | | | | | |

Keterangan : mst = minggu setelah tanam, db = derajat bebas, KT = kuadrat tengah, tn = tidak nyata, * = nyata

Lampiran 16. Hasil Analisis Ragam Jumlah Daun/ Rumpun Tanaman Tebu pada Berbagai Umur Pengamatan (MST)

| Sumber Keragaman | db | 4 MST | | 8 MST | | 12 MST | | 16 MST | | 20 MST | | F Tabel 5% |
|------------------|----|-------|---------|-------|---------|--------|---------|--------|--------|--------|-------|------------|
| | | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | |
| Pelakuan | 10 | 0,18 | 0,23 tn | 20,79 | 1,35 tn | 249,0 | 4,49* | 480,1 | 14,24* | 221,1 | 2,37* | 2,34 |
| Ulangan | 2 | 0,46 | 0,60 tn | 7,72 | 0,50 tn | 21,18 | 0,38 tn | 384,2 | 11,40* | 685,2 | 7,34* | 3,49 |
| Galat | 20 | 0,77 | | 15,33 | | 55,42 | | 33,70 | | 93,26 | | |
| Total | 32 | | | | | | | | | | | |

Keterangan : mst = minggu setelah tanam, db = derajat bebas, KT = kuadrat tengah, tn = tidak nyata, * = nyata

Lampiran 17. Hasil Analisis Ragam Luas Daun/ Rumpun Tanaman Tebu pada Berbagai Umur Pengamatan (MST)

| Sumber Keragaman | db | 4 MST | | 8 MST | | 12 MST | | 16 MST | | 20 MST | | F Tabel 5% |
|------------------|----|-------|---------|-------|---------|---------|---------|----------|-------|----------|---------|------------|
| | | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | |
| Pelakuan | 10 | 241,8 | 1,26 tn | 76748 | 2,74* | 6605585 | 7,92* | 21651675 | 8,30* | 43656260 | 6,66* | 2,34 |
| Ulangan | 2 | 62,65 | 0,32 tn | 2174 | 0,07 tn | 1522236 | 1,82 tn | 19441481 | 7,46* | 19968679 | 3,04 tn | 3,49 |
| Galat | 20 | 191,3 | | 28004 | | 834003 | | 2605715 | | 6554436 | | |
| Total | 32 | | | | | | | | | | | |

Keterangan : mst = minggu setelah tanam, db = derajat bebas, KT = kuadrat tengah, tn = tidak nyata, * = nyata

Lampiran 18. Hasil Analisis Ragam Diameter Batang Tanaman Tebu pada Berbagai Umur Pengamatan (MST)

| Sumber Keragaman | db | 4 MST | | 8 MST | | 12 MST | | 16 MST | | 20 MST | | F Tabel 5% |
|------------------|----|-------|---------|-------|---------|--------|---------|--------|---------|--------|---------|------------|
| | | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | KT | F Hit | |
| Pelakuan | 10 | 0,002 | 0,87 tn | 0,026 | 1,36 tn | 0,12 | 7,98* | 0,11 | 6,02* | 0,089 | 5,79* | 2,34 |
| Ulangan | 2 | 0,017 | 6,25* | 0,033 | 1,72 tn | 0,005 | 0,37 tn | 0,02 | 1,26 tn | 0,013 | 0,85 tn | 3,49 |
| Galat | 20 | 0,002 | | 0,019 | | 0,016 | | 0,01 | | 0,015 | | |
| Total | 32 | | | | | | | | | | | |

Keterangan : mst = minggu setelah tanam, db = derajat bebas, KT = kuadrat tengah, tn = tidak nyata, * = nyata

Lampiran 19. Dokumentasi Penelitian



Gambar 3. Lahan Percobaan Sebelum dan Sesudah Olah Tanah



Gambar 4. Petak Perlakuan Bebas Gulma dan Tanpa Pengendalian Gulma pada Umur 4 MST



Gambar 5. Petak Perlakuan Penyiangan pada Umur 4 dan 8 MST



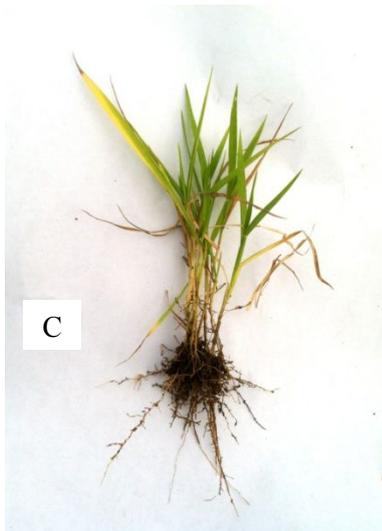
Gambar 6. Tanaman Tebu pada Umur 4 dan 8 MST



Gambar 7. Tanaman Tebu pada Umur 12 dan 16 MST



Gambar 8. Tanaman Tebu pada Umur 20 MST

Lampiran 20. Gulma pada Lahan Percobaan*s spinosus**Amaranthu**Cleome rutidospermae**Cynodon dactylon**Cyperus rotundus*



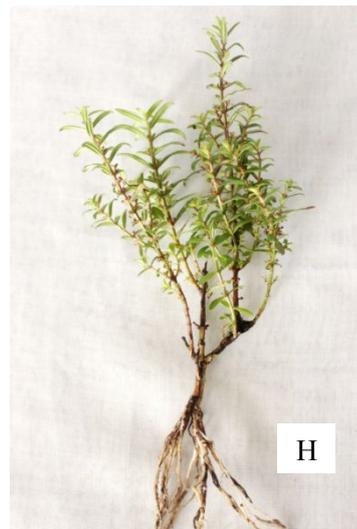
F



Echinochloa colonum
Euphorbia hirta



Fimbristylis miliacea



Hedyotis Corymbosa



Ipomoea aquatica



Phyllanthus niruri



Physalis minima L.



Portulaca oleacea



Brachiaria distachya L.



Lindernia antipoda



Cyanotis axilaris



Marsilea crenata



Eclipta alba



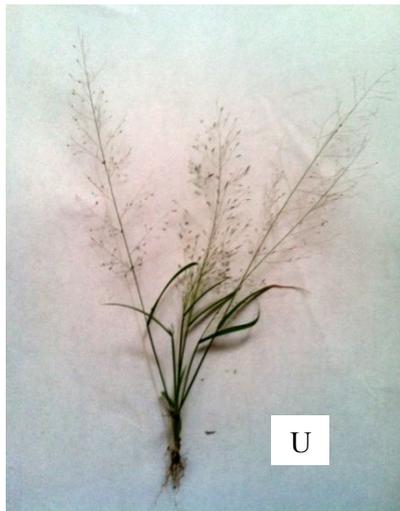
Eleusine indica



Cyperus iria



Borreria alata



Panicum repens L.



Digitaria ciliaris



Momordica charantia

Gambar 9. Gulma Tanaman Tebu



