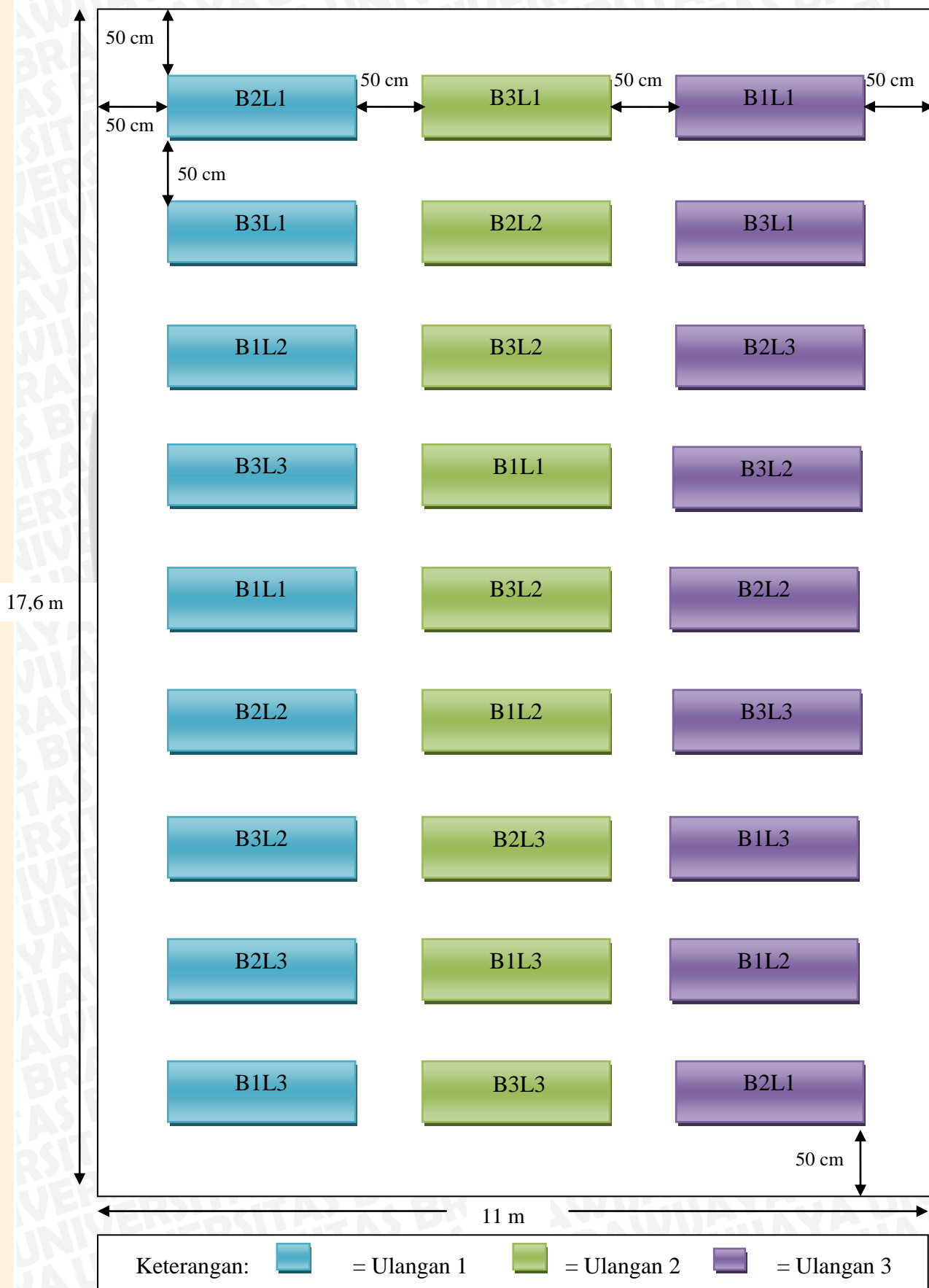
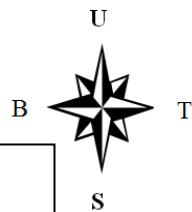
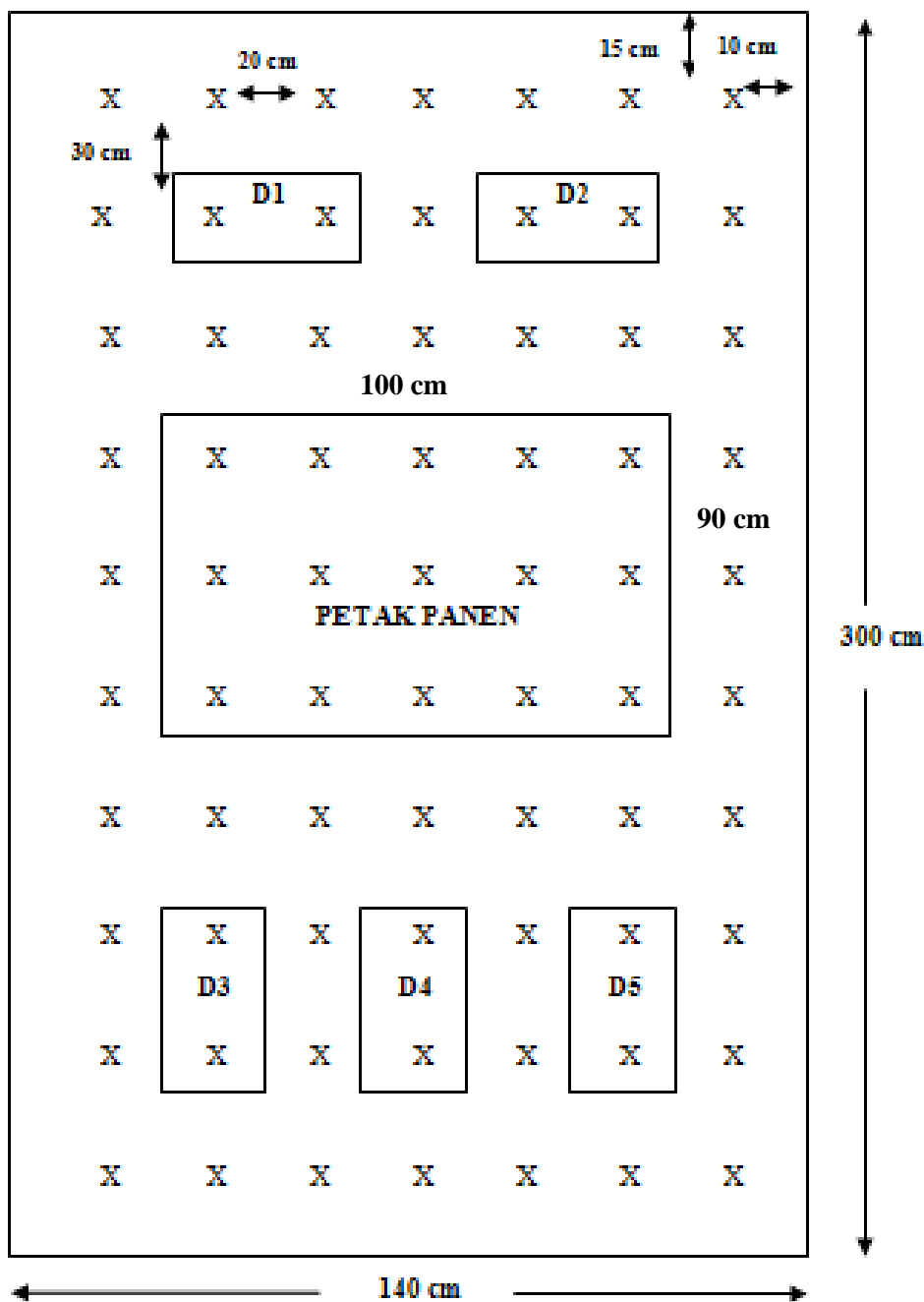


LAMPIRAN

Lampiran 1. Denah Penelitian



Lampiran 2. Petak Pengambilan Sampel



Keterangan:

Jarak tanam : 20 cm x 30 cm

Luas Petak Panen : 90 cm x 100 cm

Tanaman border : 1 tanaman

Luas Petak : 3 m x 1,4 m = 4,2 m²

Destruktif : 5 kali

Non Destruktif : 5 kali

Jumlah populasi : 70 tanaman per petak

Lampiran 3. Tabel Pengacakan Penanaman

Ulangan 1	Ulangan 2	Ulangan 3
B2L1	B3L1	B1L1
B3L1	B2L2	B3L1
B1L2	B3L2	B2L3
B3L3	B1L1	B3L2
B1L1	B3L2	B2L2
B2L2	B1L2	B3L3
B3L2	B2L3	B1L3
B2L3	B1L3	B1L2
B1L3	B3L3	B2L1

Keterangan:

B1 = Tanpa aplikasi bahan organik

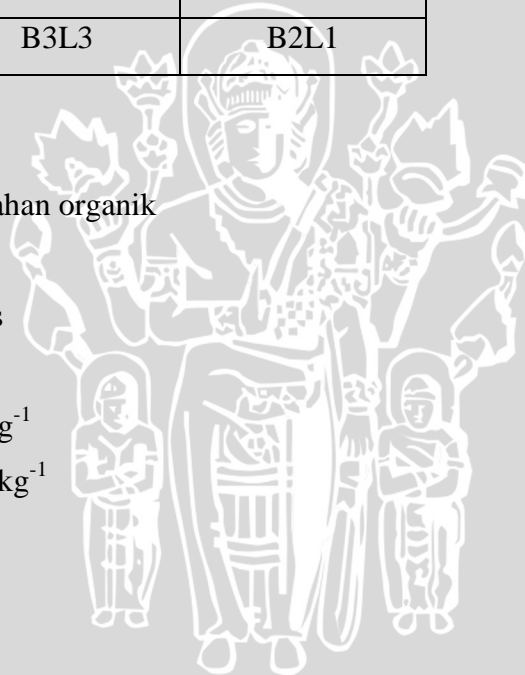
B2 = Residu Biochar

B3 = Aplikasi Kompos

L1 = Tanpa legin

L2 = Legin dosis 8 g kg⁻¹

L3 = Legin dosis 12 g kg⁻¹



Lampiran 4. Deskripsi Tanaman Kedelai Varietas Grobogan

Dilepas tahun	: 2008
SK Mentan	: 238/Kpts/SR.120/3/2008
Asal	: Pemurnian populasi Lokal Malabar Grobogan
Tipe pertumbuhan	: Determinit
Warna hipokotil	: Ungu
Warna epikotil	: Ungu
Warna daun	: Hijau agak tua
Warna bulu batang	: Coklat
Warna bunga	: Ungu
Warna kulit biji	: Kuning muda
Warna polong tua	: Coklat
Warna hilum biji	: Coklat
Bentuk daun	: Lanceolate
Percabangan	: -
Umur berbunga	: 30-32 hari
Umur polong masak	: \pm 76 hari
Tinggi tanaman	: 40 - 55 cm
Bobot biji	: \pm 18 g/100 biji
Rata-rata hasil	: 2,77 ton/ha
Potensi hasil	: 3,40 ton/ha
Kandungan protein	: 43,9%
Kandungan lemak	: 18,4%

Lampiran 5. Perhitungan Kebutuhan Pupuk Anorganik

$$\text{Kebutuhan Pupuk Per Petak} = \frac{\text{luas petak}}{\text{luas lahan 1 ha}} \times \text{dosis pupuk}$$

$$\text{Kebutuhan Pupuk Per Tanaman} = \frac{\text{kebutuhan pupuk per petak}}{\text{jumlah populasi}}$$

$$\text{Luas petak} : 4,2 \text{ m}^2$$

$$\text{Jumlah Populasi per petak} : 70 \text{ tanaman}$$

Kebutuhan pupuk anorganik 100% dosis rekomendasi

-Urea (50 kg.ha⁻¹)

Dosis pupuk per petak

$$\text{Pemupukan I (1/4 dosis)} = \frac{4,2 \text{ m}^2}{10.000 \text{ m}^2} \times 12,5 \text{ kg. ha}^{-1} = \mathbf{0,00525 \text{ kg} = 5,25 \text{ g}}$$

$$\text{Pemupukan II (3/4 dosis)} = \frac{4,2 \text{ m}^2}{10.000 \text{ m}^2} \times 37,5 \text{ kg. ha}^{-1} = \mathbf{0,01575 \text{ kg} = 15,75 \text{ g}}$$

Dosis pupuk per tanaman

$$\text{Pemupukan I (1/4 dosis)} = \frac{5,25 \text{ g}}{70 \text{ tanaman}} = \mathbf{0,075 \text{ g} = 0,08 \text{ g}}$$

$$\text{Pemupukan II (3/4 dosis)} = \frac{15,75 \text{ g}}{70 \text{ tanaman}} = \mathbf{0,225 \text{ g} = 0,23 \text{ g}}$$

-SP-36 (150 kg.ha⁻¹)

Dosis pupuk per petak

$$\text{Pemupukan I (1/4 dosis)} = \frac{4,2 \text{ m}^2}{10.000 \text{ m}^2} \times 37,5 \text{ kg. ha}^{-1} = \mathbf{0,01575 \text{ kg} = 15,75 \text{ g}}$$

$$\text{Pemupukan II (3/4 dosis)} = \frac{4,2 \text{ m}^2}{10.000 \text{ m}^2} \times 112,5 \text{ kg. ha}^{-1} = \mathbf{0,04725 \text{ kg} = 47,25 \text{ g}}$$

Dosis pupuk per tanaman

$$\text{Pemupukan I (1/4 dosis)} = \frac{15,75 \text{ g}}{70 \text{ tanaman}} = \mathbf{0,225 \text{ g} = 0,23 \text{ g}}$$

$$\text{Pemupukan II (3/4 dosis)} = \frac{47,25 \text{ g}}{70 \text{ tanaman}} = \mathbf{0,675 \text{ g} = 0,68 \text{ g}}$$

-KCl (100 kg.ha⁻¹)

Dosis pupuk per petak

$$\text{Pemupukan I (1/4 dosis)} = \frac{4,2 \text{ m}^2}{10.000 \text{ m}^2} \times 25 \text{ kg. ha}^{-1} = \mathbf{0,0105 \text{ kg} = 10,5 \text{ g}}$$

$$\text{Pemupukan II (3/4 dosis)} = \frac{4,2 \text{ m}^2}{10.000 \text{ m}^2} \times 75 \text{ kg. ha}^{-1} = \mathbf{0,0315 \text{ kg} = 31,5 \text{ g}}$$

Dosis pupuk per tanaman

$$\text{Pemupukan I (1/4 dosis)} = \frac{10,5 \text{ g}}{70 \text{ tanaman}} = \mathbf{0,15 \text{ g}}$$

$$\text{Pemupukan II (3/4 dosis)} = \frac{31,5 \text{ g}}{70 \text{ tanaman}} = \mathbf{0,45 \text{ g}}$$