

### Lampiran 3. Perhitungan Kebutuhan Pupuk

Bobot tanah tiap polybag = 6 kg ( $3.14 \times 9^2 \text{ cm} \times 22 \text{ cm} \times 1.1 \text{ g.cm}^{-1}$ )

Kedalaman lapisan olah tanah = 15 cm

Bobot I HLO = luas lahan  $\times$  tebal lapisan olah tanah  $\times$  berat jenis tanah

$$= 100.000.000 \text{ cm}^2 \times 15 \text{ cm} \times 1.1 \text{ g.cm}^{-1}$$

$$= 16.5 \times 10^8 \text{ g} = 16.5 \times 10^5 \text{ kg}$$

Kebutuhan pupuk urea 200 kg/ha

$$\text{Kebutuhan pupuk/polybag} = 6 / (16.5 \times 10^5) \times 200 \text{ kg} = 0.0072 \text{ kg} = 7.2 \text{ g}$$

$$\text{Pemberian I} = 50\% \times 7.2 = 3.6 \text{ g}$$

$$\text{Pemberian II} = 50\% \times 7.2 = 3.6 \text{ g}$$

Kebutuhan pupuk urea 100 kg/ha

$$\text{Kebutuhan pupuk/polybag} = 6 / (16.5 \times 10^5) \times 100 \text{ kg} = 0.0036 \text{ kg} = 3.6 \text{ g}$$

$$\text{Pemberian I} = 50\% \times 3.6 = 1.8 \text{ g}$$

$$\text{Pemberian II} = 50\% \times 3.6 = 1.8 \text{ g}$$

Kebutuhan pupuk SP<sub>36</sub> 100 kg/ha

$$\text{Kebutuhan pupuk/polybag} = 6 / (16.5 \times 10^5) \times 100 \text{ kg} = 0.0036 \text{ kg} = 3.6 \text{ g}$$

Kebutuhan pupuk SP<sub>36</sub> 50 kg/ha

$$\text{Kebutuhan pupuk/polybag} = 6 / (16.5 \times 10^5) \times 50 \text{ kg} = 0.0018 \text{ kg} = 1.8 \text{ g}$$

Kebutuhan pupuk KCl 160 kg/ha

$$\text{Kebutuhan pupuk/polybag} = 6 / (16.5 \times 10^5) \times 160 \text{ kg} = 0.0058 \text{ kg} = 5.8 \text{ g}$$

Kebutuhan pupuk KCl 80 kg/ha

$$\text{Kebutuhan pupuk/polybag} = 6 / (16.5 \times 10^5) \times 80 \text{ kg} = 0.0029 \text{ kg} = 2.9 \text{ g}$$