

Lampiran 3. Perhitungan kebutuhan pupuk

Bobot tanah/polybag = 8 kg

Tebal lapisan olah tanah (HLO) = 20 cm

$$\begin{aligned} 1 \text{ HLO} &= 20 \text{ cm} \times 10^8 \text{ cm}^3 \times 1,1 \text{ g/cm}^3 \\ &= 2,2 \times 10^9 \text{ g} \\ &= 2 \times 10^6 \text{ kg} \end{aligned}$$

1. Dosis pupuk Urea 200 kg/ha

$$\begin{aligned} \text{Dosis pupuk Urea/polybag} &: \frac{8}{2 \times 10^6} \times 200 \text{ kg} \\ &: 0,0008 \text{ Kg} \\ &: 0,8 \text{ g} \end{aligned}$$

2. Dosis pupuk KCL 50 kg/ha

$$\begin{aligned} \text{Dosis pupuk KCl/polybag} &: \frac{8}{2 \times 10^6} \times 50 \text{ kg} \\ &: 0,0002 \text{ Kg} \\ &: 0,2 \text{ g} \end{aligned}$$

3. Dosis pupuk SP36 75 kg/ha

$$\begin{aligned} \text{Dosis pupuk Urea/polybag} &: \frac{8}{2 \times 10^6} \times 75 \text{ kg} \\ &: 0,0003 \text{ Kg} \\ &: 0,3 \text{ g} \end{aligned}$$

4. Dosis pupuk NPK (16-16-16) 200 kg/ha

$$\begin{aligned} \text{Dosis pupuk NPK /polybag} &: \frac{8}{2 \times 10^6} \times 200 \text{ kg} \\ &: 0,0008 \text{ Kg} \\ &: 0,8 \text{ g} \end{aligned}$$

5. Dosis pupuk Kandang Sapi 10 ton/ha

$$\begin{aligned} \text{Dosis pupuk Kandang sapi /polybag} &: \frac{8}{2 \times 10^6} \times 10.000 \text{ kg} \\ &: 0,04 \text{ Kg} \\ &: 40 \text{ g} \end{aligned}$$

6. Dosis pupuk Kandang Sapi 20 ton/ha

$$\begin{aligned} \text{Dosis pupuk Kandang Sapi /polybag} &: \frac{8}{2 \times 10^6} \times 200 \text{ kg} \\ &: 0,08 \text{ Kg} \\ &: 80 \text{ g} \end{aligned}$$

7. Dosis Kotoran Sapi Segar 100%

- 1 Kg Kotoran Sapi Segar diencerkan dengan 5 liter air
- Dosis anjuran diberikan pupuk Kotoran Sapi Segar 2 liter/tanaman (100%)

8. Dosis pupuk Kotoran Sapi Segar 50%

- Pupuk diberikan setengah dari dosis anjuran yaitu diberikan sebesar 1 liter/tanaman.