

Novelgro Terra Treatment on Oil Palm Seedling

Perlakuan (Treatment)

- A. Kontrol (*Without Terra*)
- B. Novelgro Terra (1 ml/Liter) was drenched on the seedling pot.
Equal to 1 Liter Novelgro TERRA for 40 cubic meter of growth medium

Novelgro Terra treatment was done at plant age of 5 months after seeding
Observation Photos was taken at plants age of 8 months after seeding (3 months after Novelgro TERRA treatment was done).

Leaf Area Indeks (LAI) Measurement Method

$$LAI = \frac{\text{Weight of leaf replica (80 g paper)} \times \text{Paper Area (10 cm x 10 cm)}}{\text{Paper weight (10 cm x 10 cm)}}$$

$LAI \text{ (Kontrol)} = \frac{0.66 \text{ g} \times 100}{0.83 \text{ g}} = 79.5 \text{ cm}^2$	$LAI \text{ (Terra)} = \frac{1.02 \text{ g} \times 100}{0.83 \text{ g}} = 122.9 \text{ cm}^2$
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Vegetative Orservation Data

NO.	Observation Parameter	Control	Terra	Terra / Control Ratio
1.	Plant height	84 cm	102 cm	121%
2.	Number of leaves	12	18	150%
3.	Leaf Area Index (LAI)	79.5 cm ²	122.9 cm ²	156%
4.	Number of Leaves x LAI	12 x 79.5 cm ² = 954 cm ²	18 x 122.9 cm ² = 2212.2 cm ²	232%
<i>(Photosynthesys Capacity Increase Prediction)</i>				

Photo of 8 months Oil Palm Seedling (3 months after treatment)
LEFT: Novelgro TERRA **RIGHT: control**



Leaf Area Index (Terra Treated)



Leaf Area Index (Control Plant)



Oil Palm Seedling Roots



TERRA

KONTROL



TERRA

KONTROL



TERRA

KONTROL

Seedling on field



TERRA



KONTROL

Seedling Field

