

The Effect of Sludge's Compost at Soil of PMK to The Growth of Palm's Seed in Main Nursery

By: Dewi Friska Manurung
Under Supervision Dr. Ir. Nelvia, MS
And Gulat M. E. Manurung, SP,MP

ABSTRACT

This research is aimed to find out the effect of Sludge's Compost at Soil of PMK to The Growth of Palm's Seed in Main Nursery which had been done in November 2006 to March 2007. This research uses random model which is included in seven treatments with three replies. The treatments is control or without sludge's compost, sludge's compost *Trichoderma sp* 60 gr, sludge's compost *Trichoderma sp* 120 gr, sludge's compost *Trichoderma sp* 180 gr, sludge's compost EM-4 60 gr, sludge's compost EM-4 120 gr, sludge's compost EM-4 180 gr. The parameters were detected consist of the addition height of plant, the addition sum of leaf, the addition circle of bump, fresh weight of root, fresh weight of plants, dry weight of root and dry weight of plants. The results of this research showed that the addition sum of leaf and circle of bump was significantly affected by the application of 180 g sludge's compost EM-4 while for the other parameter was not significant.

Key words: Palm's seed, Sludge's compost, Soil of PMK, Main Nursery.