THE USING OF *Trichoderma* sp AND *Dregs* FOR OIL PALM SEED GROWTH AT MEDIUM OF PEAT IN *Pre Nursery*

Rizka Amalia Brilliani (0210698)
Under The Supervision By Ir. Wardati, MSc and Ir. Yetti Elfina. S, MP

ABSTRACT

Oil palm (*Elaeis guineensis* Jacq) represent the commodity of primadonna in plantation sector. The problems which is often faced in oil palm agriculture effort is the availability of seed which quality and also availability of potential and fertility soil. Peat soil own some weakness for example is it acidity (pH) and slowly decomposition process. There is one way to overcome the acidity of peat soil is by using *dregs* and to overcome the faster decomposition proces by giving *Trichoderma* sp. The objective of this research is kwow the influence of interaction and primary factor of *Trichoderma* sp and *dregs* givenees for oil palm seed growth at medium of peat in pre nurery. It's conducted from September 2006 up to Februari 2007. the parameter of this research is to perceived the hight of seed, leaf amount, bar cusp diameter, shoot wet weight, root wet weight, shoot dry weight, root dry weight, and shoot root ratio. The result of this research indicated that the treatment of *Trichoderma* sp 25 g/ kg of peat + *dregs* 30 g/kg of peat have a real effect to hight of seed, shoot wet weight, root wet weight, and shoot wet weight. The primary factor of *dregs* have a real effect to hight of seed and root wet weight at dose of *dregs* 20 g/kg of peat while leaf amount, shoot wet weight and shoot root ratio at dose of *dregs* 30 g/kg of peat. The primary factor of *Trichoderma* sp don't have any real effect at all of parameter.

Keywords: *Trichoderma* sp, *Dregs*, Peat, Oil palm (*Elaeis guineensis* Jacq)