

**PALM GROWTH RESPONSE (*Elaeis guineensis* Jacq) PRE NURSERY  
STAGE ON VARIOUS COMPOSITIONS OF PLANTING MEDIA AND,  
VARIOUS LIQUID ORGANIC FERTILIZERS**

**By : Hermanto Hendrikus Simbolon**

**Sepervised by: Suwardi dan Darban Haryanto**

**ABSTRACT**

Seeding is an early activity of oil palm cultivation which greatly affects crop productivity and the age of producing plants. The study aims to examine the interaction between the composition of planting media and liquid organic fertilizers, find out the composition of the best planting media and find out the types of liquid organic fertilizers that have the best effect on the growth of oil palm plants. The research was conducted in January - March 2021 at the Experimental Garden of the Faculty of Agriculture UPN Veteran Yogyakarta. The research used Tenera seeds from PPKS Simalungun. The study used a factorial method which is a field experiment using a Complete Randomized Design (RAL). The data from the study were analyzed with Fingerprints, and the Duncan Multiple Range Test at a level of 5%. The results of the oil palm prenursery study showed no interaction. Topsoil growing media treatment: compost (1:2) on plant height parameters, number of roots, average 3 longest roots 90 HST provides better growth when compared to topsoil control treatment and leaf count of 90 HST when compared to topsoil control treatment. The concentration of goat urine liquid organic fertilizer application of 90 HST gives the best growth in the fresh weight parameter of the plant, and the dry weight of the plant is 90 HST when compared to the application of liquid organic fertilizer of cow urine and rabbit urine.

*Keywords : Nursery, Planting media, POC. Oil palm*

