EFFECT OF BIOLOGICAL AGENTS *Lecanillium lecanii* AND ORGANIC LIQUID FERTILIZER OF *Crotalaria juncea* ON GROWTH, YIELD, AND THE ATTACK LEVEL OF STINKY HOPPERS (*Leptocorisa oratorius*) ON RICE PLANTS

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ABSTRACT

Stinky hoppers (L. oratorius) attack on rice plants can reduce the yield of 50%, so it is necessary to control especially using biological agents. In addition, the application of nutrients (liquid organic fertilizer) also needs to support the growth and resitence of plants. This study aims to examine the effect of POC of baby plants and biological agents L. lecanii on the growth, yield, and L. oratorius attack rate of stinky hoppers. The study was conducted in March-July 2022, located in Bondowoso Regency. The experiment was arranged using Split plots with basic draft shelves. The concentration of POC (main plot) consisted of 0 ml.l^{-1}, 5 ml.l^{-1}, 10 ml.l^{-1}, and 15 ml.l^{-1}, while the concentration of biological agents (sub plot) consisted of 5 ml.l^{-1}, 10 ml.l^{-1}, and 15 ml.l^{-1}. Data analysis using ANOVA followed by DMRT Test. The results showed the application of POC 15 ml/l and biological agents 5 ml.l^{-1}gave the best results on the weight of GKS (35.60 g) and the weight of grain bernas (29.93 g). Application of 15 ml.l^{-1} POC gives the best effect on the number of saplings (21.33) while 10 ml.l^{-1} POC on the weight of GKG (24.83 g). Application of biological agents showed no real effect on all observation variables.

***Keywords**: Concentration, Entomopathogenic Fungi, Lecanillium lecani, Organic Liquid Fertilizer, Stinky hoppers.*