APPLICATIONS PLANT MEDIA AND BANANA WEEVIL LOCAL MICROORGANISMS TO THE GROWTH AND YIELD OF BABY CUCUMBER (Cucumis sativus L.*)*

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ABSTRACT

Cucumber is a commodity that has good prospects for development. This study aims to examine the interaction between treatments and determine the appropriate planting medium and banana weevil LMO concentration on the growth and yield of cucumbers. This study used a split-plot design with the main plot of planting media (Sand : Soil: Manure) consisting of 3 levels, namely 30%: 10%: 60%, 10%: 60%: 30%, and 60%: 30%: 10%. Subplots were banana weevil Local microorganisms concentrations of 3 levels, namely 150 ml/L, 300 ml/L, and 450 ml/L. Observational data were analysed using ANOVA at α level of 5% and further tested with DMRT at a 5% level. The results of the study showed that there was no interaction between the two treatments for all parameters. The planting media treatment 10%: 60%: 30% gave the best results in the parameter of fruit weight per hectare. Treatment of banana weevil Local microorganisms concentration did not yield plant growth and production results.

Keywords: Local Microorganisms (LMO), Banana Weevil, Plant Media, Cucumber