

***EFFECTIVENESS OF BEUVERIA bassiana ON THE CONTROL OF
WALANG SANGIT PEST (Leptocoris Oratorius)
ON RICE PADDIES (Oryza Sativa)***

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ABSTRACT

*The weasel moth (Leptocoris oratorius) is one of the main pests that can cause losses in rice (Oryzasativa). Controlling this pest is an important step in maintaining agricultural productivity and sustainability. This study aims to evaluate the effectiveness of Beauveria bassiana application as an effort to control the mantis pest in rice plants. This research was conducted from July to September 2023 with 6 observations in rice cultivation fields in Dukuh Mencek Village, Sukorambi District, Jember Regency. This study uses a non-parametric synthetic method by comparing between 2 treatment plots on different rice fields, the application of Beauveria bassiana with a spore density of 2.7×10^7 to the research field. The treatment of chemical pesticide application made from Imidaklopid on farmers' land infested with the walang sangit pest. The results of population observations and intensity of attack using the Mann Whitney test and Paired Sample T-Test showed that the results were not significantly different in 5 observations and significantly different results in 1 observation. Then from the results of the analysis of GKG, the results showed that the results were not significantly different between the treatment of biological agents *B. bassiana* 34.85 g and synthetic insecticides made from the active ingredient Imidaklopid 36.17 g.*

Keywords: *Effectiveness of Biological Agents, Walang Sangit Pest, Rice Crops*