

EFFECTIVENESS OF BOLETUS BEAUVERIA BASSIANA AS PEST CONTROL WALANG SANGIT (*Leptocorisa oratorius*) ON RICE PLANTS

Supervised by Rudi Wardana, S.Pd., M.Si

Ryas Rasyid

*Study Program of Crops Production Technology
Department of Agricultural Production*

ABSTRACT

*Walang sangit pest attack (*Leptocorisa oratorius*) is one of the main pests of rice crops that can reduce production, so the application uses environmentally friendly controls. This study was conducted to determine the interaction with the concentration and application time boletus *Beauveria bassiana* to control pests walang sangit. This research was conducted in april 2022, located in Blimbing Village, Centipede District, Bondowoso Regency. This study used a split plot factorial design with 3 levels of concentration (5ml/1 liter of water, 10ml/ liter of water, and 15ml/ liter of water) and 2 levels of treatment (morning and evening) data analysis using ANOVA test followed by DMRT test. The results of the study there is an interaction between the two single factors that give different effects on several parameters, while the best combination of treatment is shown by the concentration of 15 ml/l of water in the application and treatment in the afternoon. In pest population parameters as many as 2 walang sangit pests, pest attack intensity parameters (%) of 25, and dry rice paddy weight of 73.8 grams per clump*

Keyword : Biological Agents, Walang Sangit, Entomopathogenic Fungi, *Beauveria bassiana*