

The Effect of Applying *Beauveria bassiana* Biological Agents to the Intensity of Attack by Aphids (*Myzus persicae* Sulz) Chili Pepper (*Capsicum frutescens* L.) in Polybags

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ABSTRACT

This study aims to determine the effect of applying the biological agent *B. bassiana* to the intensity of aphid damage and to determine the best dose to reduce aphids. This research was conducted in the form of a polybag experiment using the Complete Randomized Block Design (RAKL) method consisting of control (no treatment), 5 g/l (*B.bassiana* concentration 5/l), 10 g/l (*B.bassiana* concentration 10/l), 15 g/l (*B.bassiana* concentration 15/l) and 20 g/l (*B.bassiana* concentration 20/l). Each treatment was repeated 6 times and each experimental unit contained 5 plants. The results showed that the best dose at 20 g/l could suppress aphids on chili plants. By administering *B.bassiana* can reduce the intensity and population of aphids.

Keywords : Chili Pepper, *Beauveria bassiana*, Aphids.