

ABSTRACT

THE EFFECTIVENESS OF BRATAWALI (*Thinospora rumphii* Boerl.) STEM EXTRACT ON PERCIC APHIDS (*Myzus persicae* Sulz.) PEST CONTROL ON RED CHILII PLANTS (*Capsicum annum* L.)

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Percic aphids pest (*Myzus persicae* Sulz) is one of the important pests of red chili plants, because it can reduce the quality and quantity of chili production. These pest attacks cause critical leaves, shoots wrinkled so that plant growth is disrupted. Peach leaf infestation in addition to directly attacking plants, can also act as a vector carrying diseases caused by viruses. The aim of the study was to determine the effect of bratawali stem extract on percic aphids pest control and obtain the most effective concentration of bratawali stem extract in Sukasenang Village, Tanjungkarang Village, Cigalontang Subdistrict, from May to August 2018. Research using a completely randomized design was repeated as many as five times. The treatments of the bratawali stem extract concentration tested were: 0%, 13%, 26%, 39%, and 52%. Data were analyzed using variance with the F test and continued with Duncan's Multiple distance test with an error rate of 5%. The results showed that the most effective concentration of bratawali stem extract pesticide extract to control peach leaf lice was 52%.

Keywords: Percic aphids pest (*Myzus persicae* Sulz.), Bratawali stem extract, red chili plant