

PENANGGULANGAN HAMA *Thrips sp* PADA TANAMAN CABAI MERAH (*Capsicum annum*) DENGAN MENGGUNAKAN PESTISIDA NABATI DARI DAUN SIRSAK (*Annona muricata*)

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh daun sirsak sebagai pestisida nabati dalam penanggulangan hama *Thrips* pada tanaman cabai merah. Penelitian ini dilakukan pada bulan Januari 2017 sampai dengan Maret 2017 dimana penelitian ini dilakukan di rumah kaca, menggunakan metode eksperimen dengan Rancangan Acak Lengkap (RAL) dan dianalisis menggunakan uji Dunnet. Hasil penelitian dengan uji Dunnet menunjukkan bahwa pestisida nabati daun sirsak berpengaruh nyata terhadap mortalitas dari hama *Thrips*, dimana mortalitas tertinggi hama *Thrips* terdapat pada perlakuan X4 = 200 ml/L air dengan persentasi mortalitas pada hari 1 hingga hari 4 sebesar 26%, 36%, 64%, dan 82%. Sedangkan persentasi mortalitas terendah terdapat pada perlakuan X1 = 50 ml/L air yaitu 12%, 16%, 30%, dan 44%. Kematian hama *Thrips* disebabkan karena kandungan *Annona muricata* seperti *annonain* dan *squamosin* golongan acetogenin bekerja sebagai racun *respirasi* bagi hama sehingga mampu menyebabkan kematian.

Kata Kunci : Daun Sirsak, Pestisida Nabati, Mortalitas, Hama Thrips.

***Thrips sp* PEST PREVENTION IN RED CHILLI CROP (*Capsicum annum*)
WITH USE OF VEGETABLE PESTICIDES LEAVES OF THE SOURSOP
(*Annona muricata*)**

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ABSTRACT

This study aimed to determine the effect of soursop leaves as vegetable pesticide in pest control in plants red chilli thrips. This study was conducted in January 2017 to March 2017 at which the study was conducted in a greenhouse, using the experimental method completely randomized design (CRD) and analyzed using the Dunnet test. The results of research to test Dunnet showed that pesticide plant soursop leaves a significant effect on mortality of pest thrips, where the highest mortality pest thrips are on treatment X4 = 200 ml / L of water with the percentage of mortality at day 1 to day 4 by 26%, 36%, 64% and 82%. While the percentage of mortality was lowest for the treatment of X1 = 50 ml / L of water is 12%, 16%, 30% and 44%. Thrips pest mortality due to the content of *Annona muricata* as annonain and squamosin acetogenin working class as respiratory poison for pests so as to cause death.

Keyword : Leaves of the Soursop, VegetablePesticide, Mortality, Pest Thrips.

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