

***EFFICIENCY TESTING OF VARIOUS CONCENTRATIONS OF
MAJAPAHIT (*Aegle marmelos* L. Correa) VEGETABLE
INSECTICIDE PEST ON MORTALITY OF COCONUT
PLANT URET PEST (*Oryctes rhinoceros* L.)***

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ABSTRACT

*The uret pest of coconut (*Oryctes rhinoceros* L.) is a type of pest that causes a decrease in coconut production. There are several ways to control pests, one of which is the vegetable insecticide of the majapahit fruit. This research was conducted in April-July 2022 at the Plant Protection Laboratory of the Department of Agricultural Production, Jember State Polytechnic. The purpose of this study was to determine the effectiveness of the majapahit vegetable insecticide on mortality of the uret pest of coconut plants. This study used a non-factorial randomized block design (RBD) consisting of 4 treatments with 6 replications, namely control, 50% majapahit fruit extract, 60% majapahit fruit extract, and 70% majapahit fruit extract. The experimental data were analyzed using ANOVA, if the results showed a significant effect, then a 5% level LSD further test was carried out, while to determine LT50 using probit analysis. The parameters used are mortality, physical changes, and LT50. The results showed that the botanical insecticides of majapahit fruit had a very significant effect on mortality of the ureth pest of coconut plants with the fastest LT50 value of 178 hours at a concentration of 70% majapahit fruit extract.*

Keywords : uret pest of coconut plant, majapahit fruit, mortality