

RESPONSES OF ASIAN CITRUS PSYLLID (*Diaphorina citri*) TO THE APPLICATION HORTICULTURAL MINERAL OIL, ARTEMISIA, AND NEEM SEED OIL

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ABSTRACT

CVPD (*Citrus Vein Phloem Degeneration*) is the one of disease that affect from bacterium which can be transmitted from diseased plants to healthy plants through the insect vector *Diaphorina citri*. This study aims to examine the effect of various concentration of Artemisia Extract, Neem Seed oil, and horticultural Mineral Oil. The research method used a non-choice test method, choice test, persistence test, and treatment effect test. This research method used a Randomized Complete Block Design non factorial and the data obtained was analyzed with analysis of variance (ANOVA), followed by testing using Duncan multiple range test with a significant level 0.5%. The research result showed that Horticultural Mineral Oil have best ability for repellent. The persistence test from day 1 to day 28 showed that the ability of treatment from *Artemisia vulgaris* 2%, Horticultural mineral oil 0.5%, and Neem seed oil 1.5% to repellent is decreased due to evaporation. The treatment effect test from treatment *Artemisia vulgaris* 2%, Horticultural mineral oil 0.5%, and Neem seed oil 1.5% showed that the treatments not giving impact to inhibit growth of citrus.

Keywords: CVPD, Artemisia Extract, Mineral Oil, Neem seed oil.