

EFFECT OF ULTRAVIOLET EXPOSURE TIME OF *Corcyra cephalonica* Stainton EGG ON PARASITISM LEVEL OF *Trichogramma japonicum* Ashmead (TRICHOGRAMMATIDAE: HYMENOPTERA)

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ABSTRACT

*This study aims to determine the effect of ultraviolet exposure time on the parasitism level of *Trichogramma japonicum* Ashmead. This research was conducted on January 20, 2023 to February 3, 2023 at the Indonesian Sugar Research Institute (ISRI), Pasuruan. This study used a non-factorial completely randomized design (CRD), with various treatments of UV irradiation time, that were 0 minutes, 15 minutes, 25 minutes, 35 minutes, and 45 minutes, and repeated 4 times. The data were analyzed using the F test with a level of 5% and 1%. If the results showed a significant difference, then the BNJ (Honest Significant Difference) test was carried out at a level of 5%. This study gave significantly different results on the level of egg parasitism, the percentage of hatching larvae, and the emergence percentage of adult parasitoid.*

*Keywords: *Corcyra cephalonica*, parasitoid earing, *Trichogramma japonicum*, UV.*