INFLUENCE OF VARIOUS AGES OF EGGS *Corcyra cephalonica* Staintons AGAINST PARASITITATION AND DEVELOPMENT CANE STEM BORER PEST PARASITOIDS *Trichogramma japonicum* Ashm

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ABSTRACT

This study aims to determine the influence of various ages of *Corcyra cephalonica* eggs on parasitation and development of *Trichogramma japonicum.* This research was conducted for 8 days from June 14 to June 21, 2022 at the *Trichogramma* laboratory of the Semboro Sugar Factory of PTPN XI (Persero). This study used a Non-Factorial Randomized Group Design (RGD) consisting of 3 treatments, namely eggs aged 1 day, eggs aged 3 days, and eggs aged 5 days with 9 tests, so that 27 experimental units were obtained. Each experimental unit consisted of 100 *Eggs of Corcyra cephalonica.* The data from the study were analyzed using ANOVA, if the results showed significantly different test results, a further LSD test was carried out (level 5%). The parameters used in this study are the percentage of parasitation, the time of development of parasitation, the percentage of imago that appears. The results showed that the various ages of *Corcyra cephalonica* eggs had a very noticeable effect on parasitation and the development of *Trichogramma japonicum* where *Corcyra cephalonica* eggs aged 1 day produced a percentage of parasitation of 100% on day 3, the development time of parasitoids 7.2 days and the percentage of imago that appeared 100% on day 8.

Keywords : *Corcyra cephalonica*, Parasititation, Development, *Trichogramma japonicum,*