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Preference Testing of *Trichogramma japonicum* on Eggs of *Corcyra cephalonica* (Lepidoptera: Pyralidae) Cultured on Several Legume Feed Media

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Abstract : *Trichogramma japonicum* is one of the biological agents that can suppress the development of insect pests, especially stem borer pests on rice plants. As a parasitoid, *T. japonicum* is very important because it has a broad host search power. *T. japonicum* is very easy to propagate in the laboratory using an alternative host, *Corcyra cephalonica*. The *C. cephalonica* is a warehouse pest that has a wide host. The type of host or food of *C. cephalonica* will determine the population and egg quality of *C. cephalonica* which will be used as a host for the parasitoid *T. japonicum*. Nuts are a good alternative host for the development of *C. cephalonica* because they contain good nutrients for growth and eggs to be produced. The types of legumes used were red beans, green beans, soybeans and rice bran as controls. The eggs produced by *C. cephalonica* have variations in terms of egg size where those using red beans as feed have relatively larger length and width of eggs compared to other types of feed. In terms of the level of preference for the parasitoid *T. japonicum*, eggs from *C. cephalonica* cultured on kidney beans were preferable to eggs cultured on green beans, soybeans and rice bran. This is because the egg size is relatively large which can support the nutritional content needed by the parasitoid.

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

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