

A CHARACTERIZATION OF PROPORTION OF ORGANIC MATTER LEVEL OF TENEBRIO MOLITOR LARVA REARED IN TWO DIFFERENT MEDIA CONDITIONS

W.L. Toar¹, S.H. Turangan¹, L.J.M. Rumokoy^{1,2*}

¹Faculty of Animal Husbandry, Sam Ratulangi University, Manado Indonesia

²Entomology Studies, Postgraduate School, Sam Ratulangi University, Manado Indonesia

*e-mail address: rumokoy@msn.com

Abstract

The aim of this research was to observed the proportion of organic matter (MO) levels of *T. molitor* serum reared in two different conditions: lightening restriction (M1) and natural lightening (M2) detected in 10th and 20th days old of larva, beside to evaluate the its body weight. The MO was realized by using a field method of semi-quantitative technique with a portable-refractometer. Secondly was to evaluate the body weight of larva at 20th day old. The insects were reared in two lighting condition namely light and dark. The quantification was made in 10th and 20th day old. The results showed that there has no interaction ($P > 0.05$) of treatment on proportion of organic compound level of *T. molitor* experimental but the treatment gave a significant effect ($P < 0.05$) on body weight at 20th day old.

Key words: Insect, *Tenebrio molitor*, media, lihtening, organic matter