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ACCUMULATION OF ITP-Hi AND GROWTH PERFORMANCE OF HERMETIA ILLUCENS PREPUPAE REARED IN TWO DIFFERENT MEDIA

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Written by Wisje Lusia TOAR, Agnitje RUMAMBI, Merci Rosyanty WAANI, Laurentius RUMOKOY

This study aimed to observe the comparison of productivity of ITP-Hi in the fifth instar stage of the Hermetia illucens (BSF) prepupa reared in two different organic media: dry media with a composition of 200 grams of rice bran, 50 grams of coconut pulp and 50 grams of fish meal; the wet medium consisted of a mixture of 100 grams manure of cow farm and mixed with wet garbage fruits (300 grams). The media was placed in a cylindrical container with a dimension of 15 cm high and 8.5 cm of diameter. A total of 100 larvae aged 5 days old were placed in each media. The parameters of this study were growth performance and accumulation of ITP-Hi which consists of body weight, body length, body thickness, body width. The results showed that there was no significant difference (P>0.05) on body weight of H. illucens width of the two media. In addition, the growth performance of these insect larvae had a significant difference (P<0.05) higher from papaya fruit media compared to dry media. We concluded that papaya fruit is a good growth medium for BSF compared to media using coconut pulp and rice bran.

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