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Major Digestive Enzymes of Butterfly of *Eurema blanda* and *Catopsilia pomona*

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Abstract : Butterflies are the largest number of insect orders with a relatively short life cycle and their utilization is limited. The genus Eurema and Catopsilia (Pieridae) are the most abundant species in the Arboretum of Padjadjaran University, West Java, Indonesia. This study was aimed to determine the major digestive enzymes activity of*Eurema blanda* and *Catopsilia pomona* butterfly at three various temperature and pH. *Eurema blanda* and *Catopsilia pomona* have higher amylases activity than proteases and lipases activity at optimum temperature and pH, i.e. 8.141 ± 0.010 and 8.209 ± 0.017 IU/mg, respectively.
Keywords : Amylase, Protease, Lipase, Hydrolytic enzyme, Butterfly.

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