ABSTRACT

Roberto Mittun Sihombing, 2018. Effectiveness of the Use of Maggot (Hermetia illucens) For Feed on the Growth of African Catfish (Clarias gariepinus burchell), Preceptor I Dr. H. Uus Toharudin, M.Pd. and Preceptor II Drh. Nia Nurdiani, M.Si

This study entitled "The Effectiveness of the Use of Maggot (Hermetia illucens) For Feed on the Growth of African Catfish (Clarias gariepinus burchell)". The purpose of this study was to provide solutions and alternative uses of maggot (Hermetia illucens) to the community in Sindangrasa Village, Banjasari District, Ciamis Regency, West Java. Basically maggot (Hermetia illucens) can be used as an alternative food for the growth of African catfish (Clarias gariepinus burchell). Maggot (Hermetia illucens) which has been tested against dumbo catfish during a period of 21 days or 3 weeks of research. The research was conducted using the Experimental Method with a Complete Random Series (RAL) research design consisting of 4 treatments and 5 groups. The parameters measured in this study are the growth of fish weight and the length of African catfish with a predetermined time period. Climatic elements that help the growth of African catfish (Clarias gariepinus burchell) are water temperature and water pH. Maggot in this study was divided into several concentrations starting from (P1) 100% maggot feed, 75% (P2) artificial feed plus 25% maggot, (25% P3) artificial feed plus 75% maggot, and (P4) maggot 100 feed %, while artificial feed is used as a control without the maggot mixture, P1 (100% artificial feed). Data shows that from 4 treatments given to the growth of catfish that catfish treatment experienced the fastest growth occurred in African catfish in P3 which were given 25% artificial feed plus 75% maggot with an absolute length of 14,2 cm and absolute obstruction of 18, 6 grams.

Keywords: African catfish, Maggot, Matahari Sakti (artificial feed).