DESCRIPTION OF THE PATHOLOGY OF GILL AND SKIN TIGER SHRIMP (Penaeus Monodon Fab.) THAT IT ATTACKED BY CILIATA PHATOGEN FROM VORTICELLIDAE FAMILY (Zoothamnium Sp.).

Abstrak :

Tiger Shrimp (Penaeus Monodon Fab.) is favorite commodity of non fuel from fishery sector. There are same factor that influence efficacy in shrimp cultivation like as water quality, quality of larva, feed, technology application and disease which often attack Tiger Shrimp (Penaeus Monodon Fab.) either in fishpond and also in Hatchery that is Zoothamnium sp. as ciliate pathogen.

The aim of this research was knowing the anatomy pathology of gill and skin of Tiger Shrimp (Penaeus Monodon Fab.) that attacked by Zoothamnium sp. Research was execute in Fishery Education Laboratory and Pathology Laboratory of Airlangga University Veterinary Faculty Surabaya. This research was executed on August 20th, 2005 up to October 30th, 2005.

The Research method that used is quasi experimental method. A number of 5000 tail of shrimp post larva (Penaeus Monodon Fab.) age 30 day (PL30) that was sourced from Probolinggo drawn up for the cultivation of Zoothamnium sp. during seven day. Observation data in the form of anatomy pathology changes was analytic with manner description and scoring data values of gill and skin histopathology tested by using Kruskal-Wallis test.

The Result of inspection of anatomy pathology at this research indicate that change of tiger shrimp anatomy pathology (Penaeus Monodon Fab.) at part of body surface occur in fifth day, and gill.it did in fourth day. Consequencing attachment Zoothamnium sp. cause the color changes of gill and Skin Tiger Shrimp (Penaeus Monodon Fab.) to become brown and seem like as fouling cotton brown. This Research w showed the changeover of gill and Skin histopathology Tiger Shrimp (Penaeus Monodon Fab.) attacked by Zoothamnium sp. in the form of hemorrhage and hyperplasia. Statistic analytic indicated there are real difference ($z > 0,05$) between healthy shrimp with shrimp which infestation Zoothamnium sp. on different degree infestation.

Keyword :

tiger shrimp, Zoothamnium sp, gill, skin, ciliata