ABSTRACT

IDENTIFICATION OF PARASITES ON CLOWNFISH (Amphiprion percula) IN MAIN CENTER OF MARINE CULTURE DEVELOPMENT (BBPBL) OF LAMPUNG

By

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The goals of the research were to identify parasites and the correlation between culture location and the types of parasites that infect Clownfish (A. percula). This research was conducted on February through April 2013 at Main Center of Marine Culture Development of Lampung. This research used to explorative method with to infect parasites which infected clownfishes (3-5 cm) which were cultured in three locations were indoor, semi outdoor, and outdoor. Parasites were identified and compared culture location with each other with Sorensen indices. Based on the Clownfishes were infected by five kinds of ectoparasites namely Trichodinidae, Microcotyle sp., Plectanocotylidae, Trichodina sp. and Secernentea. Types of parasites that found in semi outdoor and indoor location was similar with the value of Sorenson indices was 100%. While on semi outdoor and outdoor location, as well as outdoor and indoor low parasites the similarity was low with the value of Sorenson indices was 57%. The highest prevalence of parasites from the location of outdoor was Trichodina sp., (19,44%) and highest intensity was Trichodinidae (85,67 ind/fish) from the outdoor location.

Key word: Amphiprion percula, ectoparasites, intensity, prevalence, Sorensen indices.