

Intisari

IDENTIFIKASI DAN PREVALENSI *Trichodina* sp. PADA BENIH IKAN NILA (*Oreochromis* sp.) DI BBIAT MUNTILAN

Penelitian ini bertujuan untuk mengetahui prevalensi dan intensitas parasit *Trichodina* sp. pada benih ikan nila (*Oreochromis* sp.) serta mengidentifikasi spesies *Trichodina* sp. secara morfologi. Sampel benih ikan nila dengan ukuran 1,5-3 cm didapatkan dari Balai Benih Ikan Air Tawar (BBIAT) Muntilan, Kabupaten Magelang. Identifikasi Morfologi dilakukan dengan melakukan pengukuran diameter *adhesive disc*, diameter *denticulate ring*, dan jumlah *denticle*. Hasil penelitian menunjukkan bahwa prevalensi *Trichodina* sp pada benih ikan nila di BBIAT Muntilan adalah 100% dengan intensitas 130,15 individu/ekor. Spesies didapatkan dari hasil identifikasi adalah *T. heterodentata*, *T. mutabilis*, *T. centrostrigeata*, serta spesies *Trichodina* sp. yang belum dapat diidentifikasi dengan pasti

Kata kunci : *Trichodina* sp., prevalensi, identifikasi, nila

Abstract

IDENTIFICATION AND PREVALENCE OF *Trichodina* sp. ON NILE TILAPIA (*Oreochromis* sp.) FRY FROM BBIAT MUNTILAN

The objective of this study is to determine the prevalence and intensity of *Trichodina* sp. in Nile tilapia (*Oreochromis* sp.) fry, as well as to morphologically identify the species of *Trichodina* sp. Nile tilapia fry specimens measuring 1.5-3 cm were obtained from the Freshwater Fish Seed Centre (Balai Benih Ikan Air Tawar = BBIAT) in Muntilan, Magelang Regency. Morphological identification was conducted by quantifying the diameter of the adhesive disc, diameter of the denticulate ring, and the number of denticles. The results indicated that the prevalence of *Trichodina* sp. in Nile tilapia fry at BBIAT Muntilan was observed in all samples (100%), with a intensity of 130.15 individuals per fish. The identified species include *T. heterodentata*, *T. mutabilis*, and *T. centrostrigeata*, as well as unidentified species of *Trichodina* sp.

Keyword: *Trichodina* sp., Prevalence, Intensity, Identification, Nile Tilapia