

ABSTRAK

Debi Rausana Nasution, NIM 4193520002 (2023), Karakteristik Ikan Jurung (*Tor tambroides*) Yang Berasal Dari Sungai Batang Serangan Kecamatan Batang Serangan Kabupaten Langkat Provinsi Sumatera Utara

Penelitian ini bertujuan untuk mengetahui karakteristik morfometrik dan meristik antara ikan jantan dan betina serta struktur morfologi sisik ikan. Penelitian ini dilaksanakan pada bulan Januari-Maret 2023 di Sungai Batang Serangan Kabupaten Langkat. Identifikasi morfologi ikan dilakukan dengan morfometrik dan meristik menggunakan jangka sorong digital. Morfometrik di analisis menggunakan uji-T dan sisik menggunakan *Scanning Electron Microscope* (SEM). Hasil uji-T menunjukkan bahwa 7 karakter morfometrik yang berbeda tinggi kepala (HD), panjang sebelum sirip anal (PAL), panjang sebelum sirip dorsal (PDL), panjang sebelum sirip perut (PPL), panjang standart (SL), panjang sungut moncong (SNBL), dan panjang moncong (SNL). Sedangkan berdasarkan pada perhitungan karakteristik meristik yaitu LA 20-24; LB 2-4; LC 5-10; LD 6-8; LF 8-12; LG 7-10; LH 9-14; LE 5-10; LI XV-XXV. Ikan *Tor tambroides* memiliki tipe sisik sikloid dan dianalisis dengan perbesaran 100X, 500X dan 600X terdapat radi, sirkuli dan tuberkulum, dimana tuberkulum sisik betina berwarna hitam kecoklatan, sedangkan jantan berwarna coklat.

Kata Kunci : *Tor tambroides*, Morfometrik, Meristik, SEM.

ABSTRACT

Debi Rausana Nasution, NIM 4193520002 (2023), Haracteristics Fish Jurung (*Tor tambroides*) Originating from Batang Serangan River, Batang Serangan Sub-district, Langkat Regency, North Sumatra Province.

This research aims to determine the morphometric and meristic characteristics between male and female fish, as well as the morphological structure of fish scales. The study was conducted from January to March 2023 in the Batang Serangan River, Langkat Regency. The morphological identification of the fish was carried out using morphometric and meristic measurements using a digital caliper. Morphometric analysis use a T-test, and the scales were examined using a Scanning Electron Microscope (SEM). The T-test results showed that there are 7 different morphometric characters: Head Height (HD), Pre-Anal Fin Length (PAL), Pre-Dorsal Fin Length (PDL), Pre-Pelvic Fin Length (PPL), Standard Length (SL), Snout to Nape Length (SNBL), and Snout Length (SNL). Meanwhile, based on the meristic characteristic calculations, they are as follows: LA 20-24; LB 2-4; LC 5-10; LD 6-8; LF 8-12; LG 7-10; LH 9-14; LE 5-10; LI XV-XXV. *Tor tambroides* fish had cycloid scales and were analyzed at magnifications of 100X, 500X, and 600X, revealing radii, circuli, and tubercles. The scales of female fish were dark brown, while those of males were brown in color.

Keywords: *Tor tambroides*, Morphometric, Meristic, SEM.