ABSTRAK

Skripsi ini berjudul "Morfoanatomi dan Aspek Reproduksi Ikan Baceman (*Mystus nemurus*) di Hulu dan Hilir Sungai Klawing, Kabupaten Purbalingga". Penelitian mengenai Morfoanatomi dan aspek reproduksi ikan Baceman yang masih jarang. Tujuannya untuk mengetahui morfoanatomi ikan baceman (Mystus nemurus) meliputi IGS, IHS, dan IVS di hulu dan hilir Sungai Klawing Kabupaten Purbalingga. Pengambilan sampel dilakukan pada Mei dan Juni 2023 di 2 daerah yaitu hulu dan hilir. Daerah hulu 3 titik stasiun yaitu Karangturi, Banjaran, dan Lamongan, sedangkan daerah hilir 3 titik stasiun yaitu Jetis, Kedung Benda, dan Bokol. Data dianalisis secara deskriptif kuantitatif. Pengolagan data dengan menggunakan *Microsoft excel*. Morfologi Ikan Baceman memiliki bentuk depress dengan warna tubuh hitam dan keperakan pada bagian perut, bentuk mulut subtermal, dan bentuk sirip ekor bercagak. Nilai rata-rata IGS hulu jantan 18,22%; betina 18,86% dan hilir jantan 5,88%; betina 5,81%. Nilai rata-rata IHS hulu jantan 3,89%; betina 5,20% dan hilir jantan 1,47%; betina 1,36%. Nilai rata-rata IVS hulu jantan 6,25%; betina 7,11% dan hilir jantan 9,01%; betina 10,17%. Kualitas air di hulu dan hilir Sungai Klawing dalam kisaran yang baik untuk ikan baceman.

Kata Kunci : *Baceman; Morfoanatomi; aspek reproduksi; Sungai Klawing*

ABSTRACT

This thesis is entitled "Morphoanatomy and Reproductive Aspects of Asian Redtail Catfish (*Mystus nemurus*) in the Upper and Lower Klawing River, Purbalingga Regency". Research on Morphoanatomy and reproductive aspects of Asian Redtail Catfish is still rare. The aim was to determine the morphoanatomy of Asian Redtail Catfish including IGS, IHS, and IVS in the upstream and downstream Klawing River, Purbalingga Regency. Sampling was conducted in May and June 2023 in 2 areas, namely upstream and downstream. The upstream area had 3 station points, namely Karangturi, Banjaran, and Lamongan, while the downstream area had 3 station points, namely Jetis, Kedung Benda, and Bokol. Data were analyzed descriptively and quantitatively with Microsoft excel. The morphology of Asian Redtail Catfish has a depressed shape with black and silvery body color on the abdomen, subtermal mouth shape, and spotted tail fin shape. The average GIS of upstream males is 18.22%; females 18.86% and downstream males 5.88%; females 5.81%. Mean HIS of upstream males 3.89%; females 5.20% and downstream males 1.47%; females 1.36%. Mean VIS of upstream males 6.25%; females 7.11% and downstream males 9.01%; females 10.17%. Water quality in the upstream and downstream Klawing River is in a good range for Asian Redtail Catfish.

Key Words : *Asian Redtail Catfish; Morphoanatomy; reproductive aspects; Klawing River*