



Intisari

Inventarisasi Jenis Ikan di Kali Kuning Kabupaten Sleman

Inventarisasi jenis ikan merupakan upaya awal dalam pengelolaan sumberdaya perikanan. Penelitian ini bertujuan untuk mengetahui keanekaragaman dan kelimpahan jenis ikan di Kali Kuning, Kabupaten Sleman. Penelitian dilaksanakan dari bulan November-Desember 2024 di Kali Kuning dan di Laboratorium Manajemen Sumberdaya Perairan, Departemen Perikanan, Fakultas Pertanian, Universitas Gadjah Mada. Pengambilan sampel dilakukan di 5 stasiun dan di tiap stasiun dilakukan pengambilan sampel sebanyak 8 kali. Pengambilan sampel ikan dilakukan dengan menggunakan alat tangkap serok, bubu, jala tebar, dan pancing. Parameter lingkungan yang diukur yaitu pH, kandungan O₂ terlarut, lebar sungai, suhu, kedalaman, kecepatan arus, kecerahan, dan substrat dasar sungai dilakukan di lokasi penelitian, sedangkan identifikasi ikan dilakukan di laboratorium dengan buku identifikasi. Hasil penelitian menunjukkan bahwa di Kali Kuning ditemukan 4 ordo, 10 famili, dan 23 jenis ikan. Indeks keanekaragaman ikan di 5 stasiun berkisar antara 1,10-1,71 yang masuk kategori sedang. Indeks dominansi berkisar antara 0,14-0,39 yang masuk kategori rendah. Ikan dengan kelimpahan relatif tertinggi yaitu *Puntius binotatus* dengan nilai 30,9%.

Kata Kunci : dominansi, inventarisasi, Kali Kuning, keanekaragaman, kelimpahan



Abstract

Inventory of Fish Species in Kuning Stream Sleman Regency

Fish species inventory is an initial effort in fisheries resource management. This study aims to determine the diversity and abundance of fish species in Kuning Stream, Sleman Regency. The research was conducted from November-December 2024 in Kuning Stream and at the Aquatic Resource Management Laboratory, Department of Fisheries, Faculty of Agriculture, Gadjah Mada University. Sampling was conducted at 5 stations and at each station sampling was carried out 8 times. Fish sampling was carried out using scoop nets, traps, cast nets, and fishing rods. The environmental parameters measured were pH, dissolved O₂ content, river width, temperature, depth, current speed, brightness, and riverbed substrate at the research location, while fish identification was carried out in the laboratory with an identification book. The results showed that 4 orders, 10 families, and 23 species of fish were found in Kuning Stream. The fish diversity index in 5 stations ranged from 1.10-1.71 which is categorized as moderate. The dominance index ranged from 0.14-0.39 which is categorized as low. The fish with the highest relative abundance was *Puntius binotatus* with a value of 30.9%.

Keywords: abundance, diversity, dominance, inventory, Kuning Stream