

Penilaian Kualitas Air Menggunakan Ikan Sebagai Indikator di Situ Salam Kampus Universitas Indonesia Depok, Jawa Barat = Water Quality Assessment Using Fish as Indicators in Situ Salam Universitas Indonesia Campus, West Java

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Abstrak

Telah dilakukan penilaian kualitas air menggunakan ikan sebagai indikator di Situ Salam Kampus Universitas Indonesia Depok, Jawa Barat. Pengambilan sampel dilakukan pada titik inlet, midlet dan outlet dengan dua stasiun pada masing-masing titik. Dari hasil pengamatan didapatkan 5 suku ikan dengan 10 jenis yaitu Channa striata, Amphilophus labiatus, Oreochromis mossambicus, Oreochromis niloticus, Tilapia buttikoferi, Hypostomus plecostomus, Betta splendens, Trichopodus trichopterus, Trichopodus pectoralis, Poecilia reticulata. Berdasarkan hasil pengamatan didapatkan indeks keanekaragaman (H') pada titik inlet, midlet dan outlet berturut-turut 1,66; 1,88 dan 1,84 yang dikategorikan sedang; hasil indeks dominansi (C) pada titik inlet, midlet dan outlet berturut-turut 0,21; 0,2 dan 0,18 yang juga dikategorikan sedang. Berdasarkan skoring total IBI yang berkisar antara 31-33, mengindikasikan bahwa kesehatan Situ Salam Universitas Indonesia termasuk dalam kategori sedang. Hal ini menggambarkan bahwa Situ Salam Universitas Indonesia telah mengalami perubahan yang disebabkan oleh banyak faktor, terutama aktivitas manusia.

.....An assessment of water quality has been carried out using fish as an indicator at Situ Salam University of Indonesia, Depok, West Java. Sampling was conducted at three areas which are inlet, midlet and outlet with two stations at each point. From the observations, it has been obtained 5 families with 10 species, namely Channa striata, Amphilophus labiatus, Oreochromis mossambicus, Oreochromis niloticus, Tilapia buttikoferi, Hypostomus plecostomus, Betta splendens, Trichopodus trichopterus, Trichopodus pectoralis, and Poecilia reticulata. Based on the observations, the diversity index (H') at inlet, midlet and outlet was 1.66; 1.88 and 1.84, which were categorized as moderate; The results of the dominance index (C) at inlet, midlet and outlet was 0.21; 0.2 and 0.18 which are also categorized as moderate. Based on the total IBI score, which ranges from 31-33, it shows that the health of Situ Salam University of Indonesia is in the moderate category. This illustrates that the University of Indonesia's Situ Salam has undergone changes caused by many factors, especially human activities.