

# **Penilaian Kualitas Perairan Danau Puspa, Danau Ulin, dan Danau Salam Universitas Indonesia Menggunakan Family Biotic Index dari Makroinvertebrata yang Menempel pada Eceng Gondok = Assessment of the Water Quality of Lake Puspa, Lake Ulin and Lake Salam Universitas Indonesia Using the Family Biotic Index of Macroinvertebrates Attache to Water Hyacint**

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## **Abstrak**

Penelitian mengenai kualitas Danau Puspa, Danau Ulin dan Danau Salam Universitas Indonesia dilakukan di inlet, midlet dan outlet dari masing-masing danau pada November hingga Desember 2018. Penelitian ini bertujuan untuk mengetahui kualitas Danau Puspa, Danau Ulin dan Danau Salam dengan menggunakan makroinvertebrata yang didapat dari Eichhornia crassipes yang diambil dari masing-masing stasiun pengambilan sampel sebagai bioindikator melalui metode Family Biotic Index. Tidak hanya sampel makroinvertebrata, parameter lingkungan juga turut diukur. Hasil penelitian diperoleh 7 famili makroinvertebrata yaitu Cydnidae, Naucoridae, Thiaridae, Pleuroceridae, Lymnaeidae, Planorbidae dan Viviparidae. Danau Puspa, Danau Ulin dan Danau Salam memiliki rentang nilai rata-rata FBI 6,067 – 6,1 yang berarti kualitas ketiga danau tersebut tergolong agak buruk.

.....Research on the quality of Lake Puspa, Lake Ulin and Lake Salam Universitas Indonesia was carried out in the inlet, midlet and outlet of each lake from November to December 2018. Research to determine the quality of Lake Puspa, Lake Ulin and Lake Salam using macroinvertebrates obtained from Eichhornia crassipes used as bioindicator based on the Family Biotic Index method. Not only macroinvertebrate samples, the environmental parameters are also measured. The results of the study were 7 macroinvertebrate families were obtained, namely Cydnidae, Naucoridae, Thiaridae, Pleuroceridae, Lymnaeidae, Planorbidae and Viviparidae. Lake Puspa, Lake Ulin and Lake Salam have a range of average values of FBI 6,067 – 6,1 which means that the quality is classified as poor.