

# Penilaian kualitas air Ciliwung perbatasan Depok-Jakarta Selatan dengan menggunakan indeks biological monitoring working party - average score per taxon BMWP - ASPT = Water quality assessment of Ciliwung across Depok-South Jakarta based on biological monitoring working party - average score per taxon

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## Abstrak

Penelitian mengenai kualitas air Ciliwung telah dilakukan di tiga stasiun yang merepresentasikan bagian yang masih alami, wilayah yang sudah dilakukan penataan dan yang sudah di normalisasi pada bulan September hingga November 2017. Penelitian ini bertujuan untuk mengetahui nilai kualitas perairan Sungai Ciliwung perbatasan Depok dan Jakarta Selatan berdasarkan makrozoobentos dan dianalisis menggunakan metode Biological Monitoring Working Party - Average Score Per Taxon BMWP - ASPT. Parameter lingkungan juga turut diukur dalam penelitian ini.

Hasil penelitian didapatkan 22 famili makrozoobentos antara lain Chironomidae, Tubificidae, Buccinidae, Physidae, Lymnidae, Planorbidae, Thiaridae, Viviparidae, Ampularidae, Palaemonidae, Parathelphusidae, Corbicullidae, Lestidae, Lindeniidae, Libellulidae, Aeshinidae, Corduliidae, Erpobdellidae, Hydropsychidae, Glossiphonidae, Hymenosomatidae, Dugesidae. Sungai Ciliwung perbatasan Depok - Jakarta Selatan memiliki kisaran nilai ASPT 3 ndash; 4,87 yang mengindikasikan bahwa kondisi perairan tergolong dalam kualitas perairan agak buruk hingga sangat buruk.

*A research of water quality test in Ciliwung has been conducted at three stations representing the unconstructed area, settlement area and normalization area from September until November 2017. This research aimed to determine the quality of Ciliwung River across Depok ndash South Jakarta using makrozoobentos as bioindicator through Biological Monitoring Working Party Average Score Per Taxon BMWP ASPT method. Environmental parameter also measure.*

*The results obtained were twenty two families of makrozoobentos namely Chironomidae, Tubificidae, Buccinidae, Physidae, Lymnidae, Planorbidae, Thiaridae, Viviparidae, Ampularidae, Palaemonidae, Parathelphusidae, Corbicullidae, Lestidae, Lindeniidae, Libellulidae, Aeshinidae, Corduliidae, Erpobdellidae, Hydropsychidae, Glossiphonidae, Hymenosomatidae, Dugesidae. Ciliwung River across Depok ndash South Jakarta has ASPT range between 3 ndash 4,87 which classified as poor quality water.*