

**KOMUNITAS MAKROZOOBENTOS DI DANAU BIRU BEKAS GALIAN
TAMBANG BATUBARA KOTA SAWAHLUNTO SUMATERA BARAT**

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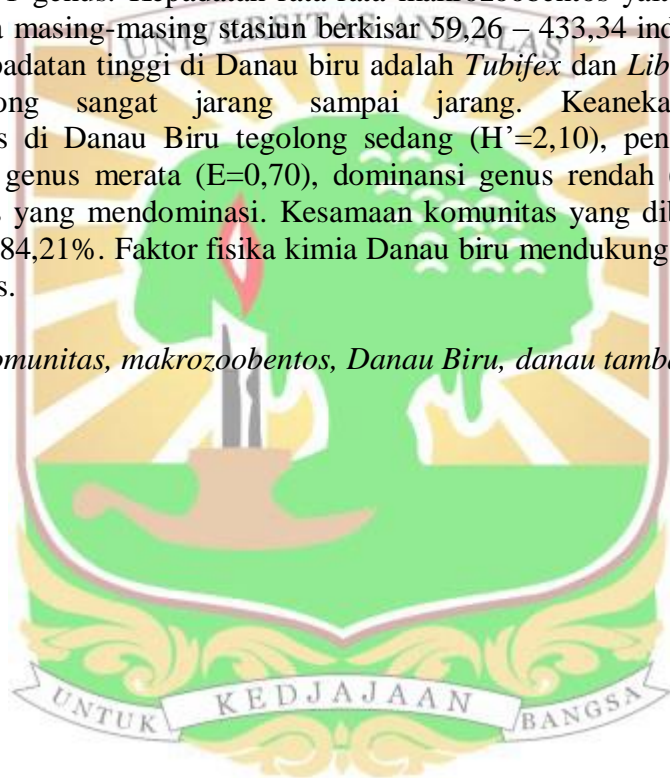
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ABSTRAK

Penelitian tentang Komunitas Makrozoobentos di Danau Biru, Kota Sawahlunto Sumatera Barat yang merupakan danau bekas galian tambang batubara telah dilakukan dari bulan Januari sampai April 2017. Penelitian ini menggunakan metode survey, pengambilan sampel dilakukan pada 6 stasiun di tepi danau secara *Purposive*. Sampel makrozoobentos diambil dengan menggunakan *Surber net* sebanyak 3 sampel per stasiun. Selain itu juga diukur faktor fisika-kimia perairan. Hasil penelitian menunjukkan bahwa makrozoobentos yang ditemukan sebanyak 19 genera, tergolong empat kelas yaitu Insecta 17 genera, Gastropoda, dan Oligochaeta masing-masing 1 genus. Kepadatan rata-rata makrozoobentos yaitu 179,61 ind/m². Kepadatan pada masing-masing stasiun berkisar 59,26 – 433,34 ind/m². Genus yang mempunyai kepadatan tinggi di Danau biru adalah *Tubifex* dan *Libellula*. Kehadiran genera tergolong sangat jarang sampai jarang. Keanekaragaman genus makrozoobentos di Danau Biru tergolong sedang ($H' = 2,10$), penyebaran individu masing-masing genus merata ($E = 0,70$), dominansi genus rendah ($D = 0,21$), berarti tidak ada genus yang mendominasi. Kesamaan komunitas yang dibandingkan antar stasiun 22,22 – 84,21%. Faktor fisika kimia Danau biru mendukung untuk kehidupan makrozoobentos.

Kata kunci : komunitas, makrozoobentos, Danau Biru, danau tambang



ABSTRACT

The Research about Macrozoobenthos Community in Danau Biru, Sawahlunto, West Sumatra that form of mine lakes has been conducted from January - April 2017. This research use survey method, sampling was conducted on 6 stations at the edge of the lake by purposive sampling method. The macrozoobentos sample was taken using Surber net three samples in each stations. It was also measured the physics-chemical factors of water. The results showed that macrozoobenthos were found as many as 19 genera classified four classis, that were Insecta 17 genera, Gastropoda, Oligochaeta one genus respectively. The average density 179.61 ind/m², in all of station range from 59.26 – 433.34 ind/m². The high density are *Tubifex* and *Libellula*. Frequency of occurance of macrozoobenthos is very rare to rare. The diversity of makrozoobenthos community in Danau Biru classified moderate ($H'=2.10$), distribution of individual between genera more even ($E=0.70$), dominances genus is low it means there is not dominated genera ($D=0.20$). Similarity index of makrozoobentos community compared between different stasions range from 22.22 – 84.21%. The physco-chemical of water in Danau Biru support of makrozoobenthos life.

Keywords: *community, makrozoobentos, Danau Biru, mine lakes*

