

STRUKTUR KOMUNITAS PLANKTON DI SITU CISANTI
KABUPATEN BANDUNG, JAWA BARAT

(The Structure Of Plankton Community In Lake Cisanti, Bandung Regency, West Java)

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ABSTRACT

The research on plankton community structure in Cisanti Lake Regency of Bandung, West Java Indonesia had been done from May 2009 until June 2009 during rainy season. Survey method were used. Sampling of plankton had been done at five stasions six times every seven days. Result of the research indicated that in Cisanti Lake plankton community concisted of 46 genus of phytoplankton and 10 genus of zooplankton. Bacillariophyceae gave highest contribution on phytoplankton density and Diatoma was a primary genera. Meanwhile highest zooplankton density gave by Crustaceae with Cyclops as a primary genera. Simpson's dominancy index value range from 0.305 – 0.616, for phytoplankton and 0.468 – 0.746. for zooplankton. Meanwhile diversity index range from 0.384 – 0.695 for phytoplankton and 0.254 – 0.532 for zooplankton. Based on plankton communities and nutrients (NO_3^- and PO_4^{3-}) concentration Cisanti Lake were categorized as mesotrophic tend to eutrophic

Key words: Cisanti Lake, Plankton, Community structure

PENDAHULUAN

Situ Cisanti merupakan salah satu situ di Provinsi Jawa Barat yang terletak di Desa Tarumajaya Kec. Kertasari Kab. Bandung, yang merupakan sumber mata air Sungai Citarum yang merupakan sungai utama di Jawa Barat. Di aliran sungai ini terdapat tiga waduk besar yang merupakan objek vital nasional, yaitu Saguling, Cirata dan Jatiluhur. Mengingat tingkat