

Analisis Kelimpahan Mikroalga Diatom di Perairan Pulau Pasaran, Bandar Lampung

Berta Putri*

Jurusan Perikanan dan Kelautan Fakultas Pertanian Universitas Lampung
Alamat: Jl. Prof.Dr. Soemantri Brodjonegoro No.1 Gedong Meneng Bandar Lampung 35145
Telp/Fax:(0721) 770347 Email: berta.putri@fp.unila.ac.id Hp: 0811790714

ABSTRAK

Penelitian kelimpahan mikroalga diatom telah dilakukan di perairan Pulau Pasaran, Bandar Lampung. Penelitian ini bertujuan untuk mengidentifikasi kelimpahan mikroalga Diatom di perairan Pulau Pasaran yang dikaitkan kondisi lingkungan lainnya. Pengambilan sampel dilakukan pada bulan Mei 2017 di lima stasiun yang mewakili perairan dekat muara, area keramba jaring apung, perairan dekat pelabuhan ikan dan pelabuhan barang. Hasil penelitian ditemukan lima genus diatom yaitu: *Coscinodiscus* sp. dengan kelimpahan tertinggi, berturut-turut diikuti oleh *Nitzschia* sp., *Chaetoceros* sp., *Skeletonema* sp. dan *Thalassionema* sp.

Kata kunci: diatom, kelimpahan, mikroalga, pulau Pasaran,

Abstract : *Epibenthic dinoflagellates are of important as primary producer in coastal and ocean ecosystems. But it has potent toxins causing harmful effect to marine fauna as well as to human. The present study aimed at analyzing the abundance of three genus ; Ostreopsis, Prorocentrum and Gambierdiscus in Teluk Bayur Bay, West Sumatera, which sampling were conducted in November 2014. Environmental parameters were including Nitrate, Phosphate concentration and density of Sargassum vegetations were measured which preasumably influence the dinoflagellates abundance. Apparently, abundance of dinoflagellates ranged from 2061-7116 cells/g. Sampling stations had no effect on abundance of dinoflagellates. Water quality (N, P and Sargassum vegetation density) had no effect to the present and abundance of dinoflagellates, in all sampling stations.*

Key words: *Abundance, Benthic Dinoflagellates, Sargassum sp*