

HOLIMATUS SAKDIYAH NRP. 110341100030. **Hubungan Konsentrasi Nitrat Dan Phospat Terhadap Kelimpahan Fitoplankton Di Perairan Jumiang Desa Tanjung Kecamatan Pademawu Kabupaten Pamekasan.** Dibawah bimbingan Apri Arisandi dan Indah Wahyuni Abida.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui hubungan konsentrasi nitrat dan phospat terhadap kelimpahan fitoplankton di perairan Jumiang Desa Tanjung Kecamatan Pademawu Kabupaten Pamekasan. Penelitian ini dilakukan pada bulan April 2015 di perairan Jumiang Pamekasan. Metode penelitian menggunakan metode deskriptif dan analisis data. Nilai kelimpahan fitoplankton pada tiga periode pengamatan yaitu pada stasiun 1 sebesar 69389,5-25600 ind/L, stasiun 2 sebesar 44463,2-20210,6 ind/L dan stasiun 3 sebesar 53227,8-27621 ind/L. Hubungan nitrat dan phospat terhadap kelimpahan fitoplankton tergolong cukup lemah dan tidak terjadi hubungan secara nyata terhadap nitrat dan phospat dilihat dari nilai koefisien korelasi dibawah 0,5 yaitu 0,399 dan 0,427, artinya semakin tinggi nilai konsentrasi nitrat dan phospat maka semakin rendah nilai kelimpahan fitoplankton. Semakin tinggi kelimpahan fitoplankton maka semakin rendah konsentrasi nitrat dan phospat.

Kata kunci :Jumiang, Nitrat, Phospat, Fitoplankton

HOLIMATUS SAKDIYAH NIM. 110341100030 **“The Relationship of Concentration of Nitrate and Phosphat to Abundance of Phytoplankton in The Jumiang Beach, Tanjung Village, Pademawu District, at Pamekasan”**. Under the Guidance are Apri Arisandi and Indah Wahyuni Abida.

ABSTRACT

The objective of the research to identify the relationship between the concentration of nitrate and phosphat to abundance of phytoplankton in the Jumiang Beach, Tanjung village, Pademawu Districts, at Pamekasan. This research was conducted in April 2015 in the water of Jumiang Beach. The research method use descriptive method and data analysis. The Value of phytoplankton's abundance on third observation period is to station 1 is 69389.5 to 25,600 ind / L, station 2 is 44463.2 to 20210.6 ind / L and 3 is 53227.8 to 27,621 ind / L. The close relation of nitrate and phosphate to abundance of phytoplankton was classified weak enough and no fact relationship if it was seen from correlation of coefficient value under 0,5 is 0,399 and 0,427, showed that more taller the concentration of nitrate and phosphat then more lower the abundance of phytoplankton. Showed that more taller the abundance of phytoplankton then more lower the concentration of nitrate and phosphat.

Keywords: Jumiang, Nitrate, Phosphat, Phytoplankton