

**The Effect Of Adding Clewat-32 Fertilizer To Growth Of Natural Feed
(*Nannochloropsis oculata*) In Situbondo Brackish Water Aquaculture
East Java**

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ABSTRACT

This research was conducted in the Situbondo Brackish Water Aquaculture East Java. Time period of research for 1 months namely on 29th September 2015 to 29th Oktober 2015. The purpose of this research was to know the effect of use clewat-32 fertilizer that used as fertiliser *Nannochloropsis oculata* growth and also to know the best dosage of clewat-32 fertilizer in increasing the rate of growth *Nannochloropsis oculata*. The research using experimental designs. The method that used was Complete Random Design (RAL) with 4 treatments with a concentration of 0 ppm, 1 ppm, 2 ppm, 3 ppm with 3 repetitions in each treatment. Based on the calculation result of *Analysis Of Variance* (ANOVA) states that the addition of clewat-32 fertilizer was highly significant. ($F_{\text{count}} > F_{\text{table}} 1\%$). Of the growth rate *Nannochloropsis oculata*. The highest density level of *Nannochloropsis oculata*'s growth with a concentration of 1 ppm showed the highest density of 1155×10^4 cells/ml and the lowest growth rate *Nannochloropsis oculata* shown at a concentration of 0 ppm is 544×10^4 cells/ml.

Keywords: Clewat-32 fertilizer, growth, Nannochloropsis oculata.

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