The effect of low salinity on filtration rate of *Pincta radidta* feeding on *Isochrysis aff galbana*

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Abstract

This study was conducted the effect of low salinity on filtration rate of micro-algae *Isochrysis*

affines galbana by *Pinctada radiate*. 120 oyster with mean DVM 6.09 ± 0.69 ml were maintained in 15 aquariums with salinity of 40 (control), 35, 30, 25, 20 ppt for 14 days. The results of this study indicated that the reduction of salinity showed significantly decreased ($P < 0.05$) in filtration of water volume and microalgae in oysters. In addition, the filtration rate of 20 ppt treatment was 5 times less than control treatment.
Keywords: *Pinctada radiata*, filtration rate, *Isochrysis aff galbana*, salinity.