

ABSTRACT

ANALYSIS CARRYING CAPACITY OF PUHAWANG ISLAND FOR MARICULTURE CAGE SYSTEM

Puhawang is one area in Lampung Bay that have the potential to be developed for mariculture –cages system. Its strategic location in the management of Lampung Bay waters requires analysis of the carrying capacity to support the optimization of production and also the sustainability of mariculture- cages system. The purpose of this study was to determine the ability of the waters around the island Puhawang in supporting grouper aquaculture in floating net cages and to determine the capacity owned waters for cages. This study used a descriptive analysis method. The primary data and secondary conducted from August to September 2014 in Puhawang. The results showed that the water quality of the waters owned by Puhawang very supportive to do fish farming in cages system . Puhawang watershed capacity can be maximized for aquaculture system much as 53. 550 tons. The number of plots used as much as 39.600 plots with size of 6x6x3 m and a maximum density of 25 fish.

Keywords: *cages, carrying capacity, capacity*