ABSTRACT

This study was aimed to determine the condition of coral reef based on percentage of coral life cover, the abundance of reef fishes family Chaetodontidae and correlation between both of them at Pasir Putih beach, Situbondo. This research was conducted by observing the percentage of coral life cover using Line Intercept Transect (LIT) method and abundance of reef fish family Chaetodontidae. Results showed that percentage of coral life cover in the location of Karang Mayit and Kembang Sambi between 14.82% – 39.50% with abundance of reef fish between 5 – 12 individuals in each location. Correlation between coral life cover by the abundance of reef fish family Chaetodontidae obtained with the results of no such correlation which the abundance of reef fishes is not influence by coral life cover.

Key words : coral life cover, reef fishes family Chaetodontidae, correlation