

ABSTRACT

Tendhika Letna Gumilar. 2017. Comparison of Mollusc Coral Beaches and Seagrass beds In Sindangkerta Beach, Cipatujah Districts, Tasikmalaya. Supervised by Drs. Yusuf Ibrahim, M.Pd.,M.P as 1st supervisor and Drs. Suhara, M.Pd as 2nd supervisor.

The research it aims to measure the Comparison of Mollusc Coral Beaches and Seagrass beds in the Sindangkerta Beach Cipatujah District Tasikmalaya. Comparison of Mollusc include the diversity and abundance of Mollusc. The method of this research is descriptive method. The research design that is used is belt transect quadrat, which is stretched as far as 50 meters. The research location is divided into six research stations. Each station is divided into six quadrat with 1x1 m² in every squares. The research was conducted in the littoral zone. Sampling is taken by using hand sorting method. The environmental such as temperature, dissolved oxygen (DO), the degree of acidity (pH) and salinity. The Results of this research shows that in Sindangkerta beach there are 50 species of Mollusc comes from 21 family and 29 genus. The average index of diversity of mollusc species on coral beaches and seagrass beds was respective amounted 1,87 and 1,90. The average value of the abundance of mollusc on the coral and seagrass shore respectively of 15 ind/m² and 38 ind/m². The diversity and abundance of mollusc in seagrass beds is higher than coral reefs with a similarity index of 67%.

Keyword: Comparison, Diversity, Abundance, Mollusc.