

ABSTRACT

Irma Sani. 2017. Analysis of Abundance and Diversity of Gastropods in Seagrass Sindangkerta Beach, Cipatujah District, Tasikmalaya. It is supervised by Drs. H. Ahmad Mulyadi, M.Pd. and drh. Nia Nurdiani, M.Si.

The research aims to obtain quantitative information about abundance and diversity of Gastropods in Seagrass Sindangkerta Beach was conducted in May 2017. The research method used is descriptive method with research design of belt transect quadrat and hand sorting as the applied sampling technique. Sampling was conducted on the littoral zone at 6 stations and 6 squared plots in each station. The area of the squared plot used is 1m x 1m. The taken data in the form of main data is Gastropods and supporting data of environment factor (temperature, pH, dissolved oxygen and salinity). Data analysis includes abundance and diversity of Gastropods as well as the influence of environmental factors that influenced it. Based on data analysis can be concluded that in the location of research location found Gastropods consisting of 6 orders, 17 families, 26 genus, and 44 species with a total of 641 individu. Average abundance rate 6 Ind/m² and average diversity 1.85 (medium category). Environmental factors at the study sites suspected to have an effect on abundance and diversity (temperature, pH, dissolved oxygen, and salinity) are within the tolerance range of Gastropods life.

Keywords : Seagrass, Abundance, Diversity, Gastropods.