ABSTRACT


This study concerns regarding the Distribution Patterns of Cerithidea cingulata in Cipatireman Estuary, Sindangkerta Beach District of Cipatujah Tasikmalaya Regency. The study aims at determining the Distribution Patterns of Cerithidea cingulata in Cipatireman Estuary, Sindangkerta Beach District of Cipatujah Tasikmalaya Regency and is conducted on May 2017. The method employed within this study is descriptive method. The variables examined are Cerithidea cingulata and its Distribution Patterns. This study utilizes the design of Belt Transect Quadrat and the sampling method of Ekman Grab and Hand Sorting. The sampling is conducted in the estuary at six stations with three square plots each. The plot of each square is 1 x 1 m. The data collected are the primary data on the Distribution Patterns of Cerithidea cingulata and the secondary data on the environmental factors, namely temperature, pH, and salinity. The data analysis includes the Distribution Patterns of Cerithidea cingulata and the effect of environmental factors on the distribution patterns of Cerithidea cingulata using multiple linear regressions of SPSS. The result shows that the Distribution Patterns in Cipatireman Estuary include within the criteria of clustering ($S^2/\bar{X} > 1$) and the multiple linear regression analysis of environmental factors on the distribution patterns of Cerithidea cingulata has an influence of 66.1 %. Further studies are able to be conducted regarding the distribution patterns of other gastropods.

Keywords: Cipatireman Estuary, Distribution Patterns, Cerithidea cingulata