

## **ABSTRACT**

**Fachrun Nisa, 2017. Distribution Patterns of *Cerithidea cingulata* (Gastropoda: Potamididae Family) in Cipatireman Estuary, Sindangkerta Beach District of Cipatujah Tasikmalaya Regency. Advisors: Drs. H. Ahmad Mulyadi, M.Pd and Drs. Suhara, M.Pd.**

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*

