

## **ABSTRACT**

**Sonia Maulida, 2018. Diversity of Gastropods in Karangsong Mangrove Area, Indramayu Regency. Supervised by H. Dadi Setia Adi, MSc, PhD. and Dita Agustian, S.Pd., M.Pd.**

*This study aims to determine the type and value of the Gastropoda diversity index and measure the conditions of climatic factors that affect diversity. The research method used is descriptive method with belt transect research design, and sampling technique using Ekman Dredge and Hand Sorting. The research sample was taken on 5 stations with a size of 50x50cm, the data were processed using the diversity index according to Shanon-Wiener. Based on the results of Gastropoda determination, as many as 620 individuals were obtained, consisting of 7 orders, 11 families, 13 genera, 15 species. Species found were Telescopium telescopium, Fusinus verrucosus, Cerithidea anticipata, Cerithidea cingulata, Buccinum undatum, Cassidula aurisfelis, Littoraria scabra, Cantharus sp, Planaxis sulcatus, Assiminea brevicula, Tritia reticulata, Melampus luteus, Filopaludina javanica, Cerithidea obtusa, Barlleia unifasciata. The most common species found were Assiminea brevicula as many as 226 individuals, with an average diversity index of 1.21 which was classified as medium.*

**Keywords:** *Diversity, Gastropods, Mangrove Areas*