

ABSTRACT

Uul Malihah Dwi Ayuningtyas. 2019. Zooplankton Abundance and Diversity in Bagendit Situ, Garut Regency. Supervised by Drs. H. Ahmad Mulyadi, M.Pd and Mimi Halimah, S.Pd., M.Si.

*Research on the abundance and diversity of zooplankton in Situ Bagendit 2 Garut Regency, in May 2019. This research is raining to get information about the abundance and diversity of zooplankton in Situ Bagendit 2 Garut Regency. The importance of the role of zooplankton in ecosystems and the absence of information about the abundance and diversity of zooplankton in this region is a problem in this study. The research method used is quantitative descriptive research method with the research design used is quadratic design by dividing the area into 3 research stations, each station is divided into 6 squares, sampling is done as many as 3 times sampling in each quadratic. Identification of research samples is carried out in the Biology Laboratory FKIP Unpas. The results showed that the composition of zooplankton species found during observation in Situ Bagendit 2 Garut Regency was 51 species consisting of 4 phylum, 5 class, 8 ordo, 16 family, and 23 genus. The composition of zooplankton species found during the observation was dominated by *Karatella valga* species with an abundance of 28944000 individuals / l. The number of species abundance at station I was 59508000, station II was 19986000 individuals / l and station III was 29466000 individuals / l. The Diversity Index in this region ranges from 2.10 to 2.48 with an average of 2.33 which shows the Diversity Index in Situ Bagendit 2 Garut Regency included in the medium category.*

Keywords: Abundance, Diversity, Zooplankton.