

ABSTRACT

Muhammad Iqbal J. 2019. Kelimpahan Dan Keanekaragaman Gastropoda Di Situ Bagendit 2 Kabupaten Garut. Dibimbing oleh Dr. Cartonno, S.Pd., M.Pd., M.T. dan Ida Yuyu Nurul Hizqiyah, S.Pd., M.Si.

The purpose of this study was to obtain data on the abundance and diversity of Gastropods in Situ Bagendit 2, Garut Regency. This study uses a descriptive method. The research design use was sample squares with the Ekman Grab and Hand Shorting techniques consisting of three stations. This design is done by making footoge squares in three stations, namely, inlet, midlet, and outlet. Each consist of six squares, the distance between squares is 8,5 meters. Sampling with the Ekman Grab and Hand Shorting methods. 21 species of Gastropods, 7 families, 14 genera were obtained. The largest family in the Gastropoda class is climatic factors including water temperature, water pH, Dissolved Oxygen (DO) and light intensity. Supporting data is processed with Multiple Regression in the IBM SPSS program to deternine the effect of climatic factors on the abudance and diversity of Gastropoda. The highest value of species abundance is Melanoides Tuberculata which is equal to 1.118 individu/m² and the lowest abundance in filopaludina sumantrensis species with an abundance 1 individu/m². The avarege diversity index value is 1,89, indicating the diversity of Gastropods in Situ Bagendit 2, Garut Regency included in the medium category.

Keywords: Abundance, Diversity, Gastropods, Melanoides Tuberculata