

ABSTRACT

Claudia Florensia. 2016. The structure of Plankton Community in Coastal Estuaries Cipatireman Sindangkerta Cipatujah district Tasikmalaya. Under guided by Dr. H. Uus Toharudin, M.Pd. as a First Counselor and Drs. Suhara, M. Pd as Second Counselor

This research aims to know the Plankton Community Structure in the Coastal Estuaries Cipatireman Sindangkerta Cipatujah district Tasikmalaya. This Research using design Belt with Transeck filtering method. This research was conducted at 6 stations where there are 3 squares each station. Climatic zones measured factors i.e. brightness, pH, temperature, dissolved organic Matter, dissolved oxygen (DO), and salinity. The research results obtained range between phytoplankton Abundance 16,520-31,280 ind/L and abundance of zooplankton ranged between 16,202 – 49,008 ind/b. Composition types of phytoplankton comprising 8 species into 4 classes namely Cyanophyceae (2 Spesises), Charophyceae (1 species), Chlorophyceae (3 species) and Bacillariophyceae (2 species). While the type of Zooplankton composition consists of 10 type Spesises contains two classes namely Crustaceae (6 species), and the Monogononta (4 species), while the index of diversity (H') phytoplankton ranges from 0.24 – 1,39 and index of diversity (H') zooplankton ranged from 0.07-0.89, the range of index values the diversity of phytoplankton and zooplankton, indicates that these waters have a diversity of types of low and unstable community.

Keywords: Community Structure, Estuaries, Plankton