

THE AFFLUENCE AND DIVERSITY OF PLANKTON AT WHITE SAND COASTAL AREA OF SITUBONDO DISTRICT EAST JAVA PROVINCE

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ABSTRACT

This experiment was conducted at White sand coastal area of Situbondo District, East Java on October 8th 2015 until November 26th 2015. The location of this experiment were white sand beach coastal area of Situbondo district East Java and Fish feed Laboratory of BPBAP, Situbondo East Java. The objective of this experiment was to evaluate the affluence diversity and it uniformity of plankton and dominant living species that influence water fertility at white sand coastal area of Situbondo district East Java. The samples were taken from coastal area and identified at Fish feed Laboratory of BPBAP, Situbondo East Java. This Experiment designed by purposive sampling design. The Result of this experiment showed that the affluence of plankton at white sand coastal area of Situbondo district East Java was low classified, the diversity at white sand coastal area of Situbondo district East Java was medium classified, the uniformity of plankton population at white sand coastal area of Situbondo district East Java was high classified and the dominant living species that influence water fertility at white sand coastal area of Situbondo district East Java was *Nanoclorophsis*, sp spies.

Keyword: *Dominant, Diversity, Affluence, Uniformity*