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Analysis of Fertility Rate and Water Quality in the Jeneberang River, Gowa Regency, Indonesia

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Abstract : This research aims to know fertility rate based on nitrogen, phosphate and eutrification content and water quality content along the Jeneberang River in Gowa Regency, Indonesia.

This research was conducted by taking samples at five observation stations in the waters of the Jeneberang River, Gowa Regency, Indonesia by measuring biological parameters, namely community structure and plankton abundance as the main parameter, while as a supporting parameter, the water quality parameters are physical and chemical parameters, namely temperature, pH, dissolved oxygen, nitrogen (N) and phosphate (PO₄). Data obtained from observations, presented in the form of tables and graphs and analyzed by descriptive analysis.

Keywords : Fertility, Water Quality, Jeneberang River, Plankton.

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