

Konsentrasi Limbah Pencemar MBAS (Methylen Blue Active Substance) pada Perairan Muara Kali Ijo, Kabupaten Kebumen

Title	Konsentrasi Limbah Pencemar MBAS (Methylen Blue Active Substance) pada Perairan Muara Kali Ijo, Kabupaten Kebumen
Author Order	3 of 4
Accreditation	
Abstract	Muara Kali Ijo is the place where rivers flow in Kebumen Regency, which carry a lot of domestic wastes resulting from sanitation activities, namely detergent. The study aims to determine the quality of Muara Kali Ijo Waters based on MBAS concentration (Methylen Blue Active Substances). MBAS is a standard method for determining the concentration of anionic surfactants in detergents. This study uses descriptive methods with purposive random sampling techniques. Sampling was carried out on March 11, 2023 with a total of five stations. The results of the analysis of the MBAS concentration in the BBSPJPPI laboratory ranged from 0.031 to 0.064 mg/L and the measurement of water quality parameters was still relatively good, below the quality standard threshold. PCA results show that there is a negative correlation between MBAS concentration and water quality parameters. Productive anthropogenic activities around the area have a potential to contribute detergent waste from washing activities and increase MBAS concentrations. Keywords: antropogenic, muara kali ijo, MBAS, PCA, waters quality
Publisher Name	Fakultas Perikanan dan Ilmu Kelautan
Publish Date	2023-09-27
Publish Year	2023
Doi	DOI: 10.20884/1.maiyah.2023.2.3.9695
Citation	
Source	MAIYAH
Source Issue	Vol 2 No 3 (2023): Maiyah : Vol.2 No.3 Tahun 2023
Source Page	181-190
Url	http://jos.unsoed.ac.id/index.php/maiyah/article/view/9695/4352
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