

PENGENDALIAN PENCEMARAN SUNGAI BERBASIS MASYARAKAT (STUDI KASUS SUNGAI TEGOAN DI KOTA WONOSARI KABUPATEN GUNUNGKIDUL)

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ABSTRACT

Water pollution at Tegoan River in the Wonosari City, Gunungkidul District, can cause negative effects to the health of population at surrounding river. The other side, it can cause the death of river biota, particularly fishes, and also cause environmentally esthetic problems due to bad odor, dirties and unpleasant. Based on such a condition, technical and non technical analysis should be conducted on the river pollution so that community-based pollution control is achieved.

Technical analysis about river water quality status was conducted by using Pollution Index (PI) method based on the 2003 Ministerial Decree of Environment Number 115. In addition, non technical aspect research among people inhabiting the upstream and downstream of Tegoan River, utilized the FGD (Focus Group Discussion) as observation technique, to collect data about obstacles and problems on the river, community understanding about the river pollution and the capability of community in river pollution control.

Results of research about water quality status in Tegoan River at the upstream indicated pollution level was moderate to good conditions, for both of the first and second class rivers, while at the downstream level indicated the pollution level of mild to good conditions. The condition at downstream was better than at the upstream; therefore, the pollution at upstream did not influence the condition of downstream. Results of FGD implementation stated that the problem at Tegoan River involve liquid and solid waste disposal into river due to the less awareness of community in waste management. Therefore, river pollution control was conducted by considering the FGD results and technical analysis involving structural and non structural efforts based on community empowerment concept approach.

Keywords :

river water quality status, FGD, community-based pollution control