

KAJIAN KERUSAKAN LINGKUNGAN PERAIRAN SUNGAI AKIBAT AKTIVITAS PEMBUANGAN SAMPAH DOMESTIK DI SUNGAI PALU SULAWESI TENGAH

INTISARI

Penelitian ini dilakukan di daerah aliran Sungai Palu Sulawesi Tengah yang bertujuan untuk : (1) mengkaji jenis-jenis kerusakan lingkungan perairan sungai akibat aktivitas pembuangan sampah domestik ditinjau dari aspek Abiotik, Biotik, dan Kultural, (2) menentukan tingkat kerusakan lingkungan perairan sungai akibat pembuangan sampah domestik; dan merumuskan strategi dan kebijakan pengelolaan lingkungan dalam rangka untuk pelestarian lingkungan perairan sungai

Metode yang digunakan dalam penelitian ini adalah metode survei, yaitu metode yang menekankan observasi dan pengukuran terhadap berbagai objek kajian atau variabel penelitian. Hasil pengukuran tersebut kemudian digunakan untuk analisis kajian kerusakan lingkungan perairan yang ditinjau dari penurunan kualitas air sungai, kondisi biotik serta pengaruh aktivitas sosial masyarakat di sekitar Sungai Palu.

Hasil dari penelitian menunjukkan kualitas air Sungai Palu, diketahui bahwa telah terjadi kerusakan untuk parameter TSS, BOD, COD, dan *e.coli* yang melebihi baku mutu lingkungan sesuai dengan PP RI No. 82 Tahun 2001. Disimpulkan bahwa kerusakan lingkungan perairan Sungai Palu tidak dapat dipisahkan dari aspek sosial masyarakat seperti pengetahuan, persepsi dan sikap masyarakat terhadap sampah dan pencemaran lingkungan.

Kata Kunci : *Kerusakan Lingkungan, Sungai Palu, Strategi Pengelolaan Lingkungan*

**STUDY OF DAMAGE TO RIVER WATER ENVIRONMENT DUE TO
DOMESTIC WASTE DISPOSAL ACTIVITIES IN CENTRAL PALU RIVER,
SULAWESI**

ABSTRACT

This research was conducted in the Palu River stream, Central Sulawesi which aims to: (1) examines the types of environmental damage to the river water due to domestic waste disposal activities in terms of Abiotic, Biotic, and Cultural aspects, (2) determines the level of environmental damage to the river water due to domestic waste disposal; and (3) formulates the environmental management strategies and policies in order to conserve the river water environment.

The research's method is a survey method, which is a method that emphasizes observation and measurement of various objects of study or research variables. The results of these measurements are used to analyze the damage of the aquatic environment in terms of decreasing river water quality, the biotic conditions and the influence of social activities around the Palu River.

The results of the study indicated the water quality of Palu River, it was known that there was been a damage to the parameters of TSS, BOD, COD, and e.coli which were exceed the environmental quality standards according to PP RI No. 82 of 2001. It was concluded that the environmental damage to the water of the Palu River couldn't be separated from the social aspects of the community such as knowledge, perceptions and attitudes of the community against waste and environmental pollution.

Keywords : Environmental Damage, Palu River, Environmental Management Strategy