

ABSTRAK

Perairan merupakan lingkungan yang paling rentan terhadap pencemaran. Pencemaran merupakan masuknya zat-zat pencemar ke dalam perairan yang berasal dari limbah industri, aktivitas masyarakat, makhluk hidup dan proses alami yang menyebabkan lingkungan alamiah menjadi tidak berfungsi secara optimal. Penelitian ini bertujuan mengetahui kualitas air di perairan Kamal, mengetahui kadar logam berat (Fe dan Pb) dan mengetahui hubungan antara kualitas air dengan logam berat. Metode yang digunakan dalam penelitian ini dengan menggunakan metode deskriptif. Pengambilan sampel berada pada 7 titik lokasi, setiap titik terdapat 2 pengambilan sampel yaitu dipermukaan air dan kedalaman air. Pengambilan sampel dilakukan selama 1 hari, serta pengukuran parameter air sebagai pendukung. Hasil penelitian ini menunjukkan bahwa perairan Kamal tercemar oleh logam berat Fe karena banyak terdapat aktivitas masyarakat yang menimbulkan pencemaran logam berat Fe, sedangkan logam berat Pb tidak ditemukan karena lokasi perairan Kamal sangat sedikit aktivitas yang dapat menimbulkan tercemarnya logam berat Pb.

Kata kunci: Pencemaran perairan, aktivitas masyarakat, logam berat Fe dan Pb

ABSTRACT

Aquatic environments are most vulnerable to pollution. Pollution is the introduction of substances into the aquatic contaminants originating from industrial waste, community activities living things and natural processes that cause natural environment becomes not pollution functioning optimally. The aims of study was to determine the waters Kamal, heavy metals (Fe and Pb) and the relationship between the quality of water with heavy metals. The method used in this study using descriptive. Sampling locations were on seven points, each point of which there were two surface water sampling and water depth. Sampling was carried out during the day, as well as supporting the measurement of water parameters. The results of this study indication that the waters of Kamal was contaminated by heavy metals Fe because there were many community activities that cause heavy metal pollution Fe, the heavy metal Pb is not found because water locations Kamal very little activity can lead to heavy metal contaminated the heavy metal of pb.

Keywords: *Aquatic pollution, community activities, heavy metal Fe and Pb*