

Abstract

Code River is one of the rivers in Yogyakarta that has been polluted by various wastes. In this research, the determination of the status of water quality of River Code using 4 methods, namely STORET Method, Pollution Index Method, Canadian Council of Ministers of the Environment Water Quality Index (CCME WQI) Method and British Columbia Water Quality Index (BCWQI) Method. From the results obtained when compared with class II, the Method of STORET of medium quality contaminated status, in the pollution index method of the quality status is contaminated lightly, in Method of Canadian Council of Ministers of the Environment Water Quality Index (CCME WQI) the quality status is poorly polluted, And on the British Columbia Water Quality Index (BCWQI) Method the quality status is poorly polluted. And from the analysis, Code River is classified as class IV. Based on the results obtained from this study, the most appropriate method to use is the Index Pollution Method.

Abstrak

Sungai Code adalah salah satu sungai di tengah kota Yogyakarta yang telah tercemar oleh berbagai limbah. Dalam penelitian ini, dilakukan penentuan status mutu air Sungai Code menggunakan 4 metode, yaitu Metode STORET, Metode Indeks Pencemaran, Metode Canadian Council of Ministers of the Environment Water Quality Index (CCME WQI), dan Metode British Columbia Water Quality Index (BCWQI). Dari hasil yang didapatkan jika dibandingkan dengan golongan kelas II, pada Metode STORET status mutunya tercemar sedang, pada Metode Indeks Pencemaran status mutunya tercemar ringan, pada Metode Canadian Council of Ministers of the Environment Water Quality Index (CCME WQI) status mutunya tercemar sangat buruk, dan pada Metode British Columbia Water Quality Index (BCWQI) status mutunya tercemar sangat buruk. Dan dari hasil analisis yang dilakukan, Sungai Code digolongkan pada golongan kelas IV. Berdasarkan hasil yang didapatkan dari penelitian ini, metode yang paling sesuai untuk digunakan adalah Metode Indeks Pencemaran.

Kata Kunci : Status mutu air, air sungai, limbah, golongan kelas air.