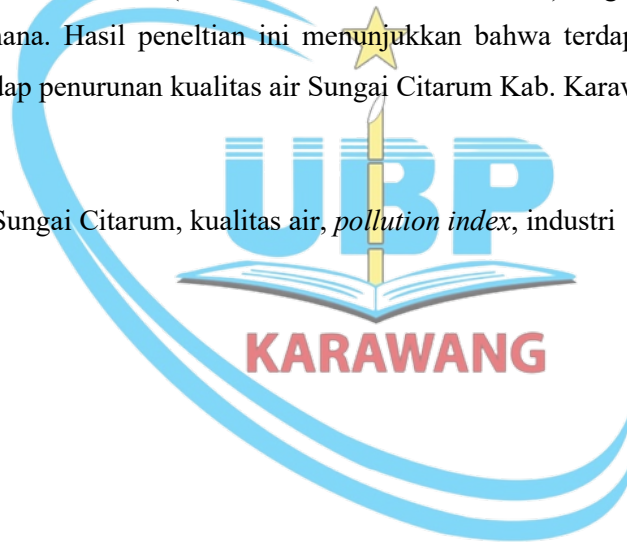


ABSTRAK

Sungai Citarum merupakan salah satu penunjang kehidupan sehari-hari masyarakat Jawa Barat seperti bahan baku air bersih oleh PDAM, pengairan, MCK, penampungan air, transportasi, rekreasi, sumber irigasi bagi pertanian, industri. Aktivitas-aktivitas tersebut terutama industri yang belakangan ini berkembang sangat cepat tanpa disadari menghasilkan limbah-limbah cair maupun padat yang masuk ke DAS Citarum, sehingga diduga sungai ini telah tercemar. Penelitian dilakukan di 6 titik sampling yaitu: Titik 1: Desa Anggadita; Titik 2: Area Pindodeli; Titik 3: Jembatan Telukjambe; Titik 4: Area Unsika; Titik 5: Alun-alun Karawang; dan Titik 6: Area Purwadana Tanjungpura. Waktu pengamatan yaitu: bulan Agustus 2021-Januari 2022. Penelitian ini bertujuan untuk mengetahui seberapa besar pengaruh aktivitas industri terhadap kualitas air sungai berdasarkan *pollution index* (Permen LH No.115 tahun 2003) dengan metode korelasi dan regresi sederhana. Hasil penelitian ini menunjukkan bahwa terdapat pengaruh aktivitas industri terhadap penurunan kualitas air Sungai Citarum Kab. Karawang sebesar 95,6%.

Kata kunci: Sungai Citarum, kualitas air, *pollution index*, industri



ABSTRACT

The Citarum River is one of the supports for daily life such as raw materials for clean water by PDAM, irrigation, toilets, water reservoirs, transportation, recreation, irrigation sources for agriculture, industry. These activities, especially industries that have recently developed very quickly, have unwittingly produced liquid and solid wastes that enter the Citarum watershed, so it is suspected that this river has been polluted. The research was carried out at 6 sampling points, namely: Point 1: Anggadita Village; Point 2: Pindodeli Area; Point 3: Telukjambe Bridge; Point 4: Unsika Area; Point 5: Karawang Square; and Point 6: Tanjungpura Purwadana Area. The time of observation is: August 2021-January 2022. This study aims to determine how much influence industrial activity has on river water quality based on the pollution index (Permen LH No.115 of 2003) with correlation and simple regression methods. The results of this study indicate that there is an influence of industrial activity on the decline in water quality of the Citarum River, Kab. Karawang by 95.6%.

Keyword: *The Citarum River, the water quality, pollution index, and industry*

