

COVER LETTER

Semarang, April 29, 2025

Editor-in-Chief
Jurnal Ilmu Lingkungan

Dear Editor-in-Chief,

We would like to submit our manuscript entitled "**Tingkat Kontaminasi Tembaga dan Timbal pada Perairan Pelabuhan Tanjung Emas Semarang**" for your consideration for publication in Jurnal Ilmu Lingkungan.

This study investigates the current levels of copper (Cu) and lead (Pb) contamination in the waters and sediments of Tanjung Emas Port, Semarang (PTES), a critical industrial and maritime zone in Central Java, Indonesia. The contamination is primarily attributed to maritime activities, industrial runoff, and domestic waste discharge. We conducted a comprehensive analysis of Cu and Pb concentrations using Atomic Absorption Spectrophotometry (AAS) on samples collected from three designated stations. The obtained data were assessed against the Sediment Quality Guidelines (SQG) by the US EPA and the Indonesian Government Regulation (PP RI No. 22 of 2021) for water quality. Our findings reveal that while copper concentrations in both water and sediment remain within acceptable limits, lead concentrations in water samples significantly exceed the national standards, indicating a concerning pollution status. This underscores an urgent need for effective mitigation strategies and highlights the importance of continuous monitoring and targeted remediation efforts in the region. We believe this manuscript will be of interest to your readers due to its relevance to environmental monitoring, pollution assessment, and the formulation of sustainable remediation strategies. The study provides updated empirical data that may serve as a scientific foundation for environmental policy decisions and future bioremediation applications in coastal and port environments.

The manuscript is original, has not been published previously, and is not under consideration by any other publication. All authors have read and approved the manuscript, and there are no conflicts of interest to disclose.

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We sincerely thank you for considering our manuscript for publication. We believe it will be a valuable contribution to the field of environmental monitoring and pollution, and we look forward to your positive response.

Sincerely,

Eko Purnomo

On behalf of all authors

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