**Cover Letter**

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Dear Jurnal Ilmu Lingkungan, Diponegoro University,

I wish to submit an original research article entitled “Semi-Aerobic Landfill System as Alternative Solution for Indonesian Landfill” for consideration by the Jurnal Ilmu Lingkungan.

I confirm that this work is original and has not been published elsewhere, nor is it currently under consideration for publication elsewhere.

In this paper, I show an alternative solution for Indonesia's landfill. This is important considering that Indonesia's waste management problem is worsening. I believe this manuscript is worthy of being published by the Jurnal Ilmu Lingkungan because it discusses the development and management of a semi-aerobic landfill, which has many advantages to solving Indonesia's waste management problem.

The paper discusses the problem of waste management in Indonesia, which faces major challenges in managing urban solid waste due to increased production and consumption, which causes problems such as landfills reaching maximum capacity and environmental pollution. Therefore, choosing a new landfill plan is critical and can operate with minimal equipment and infrastructure. The Ministry of Public Works is currently developing various alternative landfill systems through the development of landfill technology. Semi-aerobic landfill systems, developed in Japan, were introduced as a technology that could improve waste management. This is characterized by stopping the continuity of leachate and gas from waste, reducing greenhouse gas emissions, and improving leachate quality. However, there is still little research on semi-aerobic landfills in Indonesia, and their application is still in the field-scale trial stage in several landfills.

So, the paper aims to know why a semi-aerobic landfill must be one of the alternative solutions for Indonesian landfills and to evaluate the feasibility of implementing a semi-aerobic landfill system in Indonesia. Developing semi-aerobic landfill technology can be another alternative solution to solve landfill and waste management problems.

We have no conflicts of interest to disclose.

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Thank you for your consideration of this manuscript.

Sincerely,

Khaira Misrawati and Zaflis Zaim