Dear Editors,

I am pleased to submit our manuscript entitled **"Characterization of Soil-like Materials from Non-active Zone of Piyungan Waste Disposal Facility, Indonesia: Implications for Compost and Organic Fertilizer Use"** for consideration in the Environmental Sciences Bulletin (Jurnal Ilmu Lingkungan).

Our study addresses an important and emerging aspect of sustainable waste management, landfill mining, and its potential to recover organic soil-like materials for reuse as compost or organic fertilizer. We investigate the chemical and physical properties, as well as heavy metal content, of materials extracted from landfills of differing ages, benchmarking these against Indonesian national standards (SNI) for organic compost and fertilizer quality. The findings reveal significant challenges, including nutrient deficiencies and elevated cadmium levels, emphasizing the necessity for additional treatment processes to ensure safety and efficacy in agricultural applications.

Given the journal's focus on environmental pollution, engineering, and management, we believe our work offers valuable insights into the risks and opportunities of landfill mining as part of environmental management strategies.

We confirm that this manuscript is original, has not been published elsewhere, and is not under consideration by any other journal. All authors have approved the submission and agree with its contents.

Thank you for your time and consideration. We look forward to your feedback.

Sincerely,

Lelanti Peniwiratri
Corresponding author

lelantiwiratri@gmail.com
Department of Soil Science
Faculty of Agriculture
Universitas Pembangunan Nasional "Veteran" Yogyakarta