

February 27, 2026

Dear Editorial Team

Journal of Bioresources and Environmental Sciences

We are pleased to submit our manuscript entitled “Life Cycle Assessment (LCA) of Methane Capture Implementation Scenario in Palm Oil Mill Effluent (POME) Treatment” for consideration for publication in the Journal of Biological and Environmental Science (JBES).

The authors are affiliated with PT Cipta Inovasi Berkelanjutan (Ailesh) and industry partners, including Bumitama Gunajaya Agro (BGA Group) and Gunajaya Karya Gemilang (GKG). This study reflects a collaboration between LCA practitioners and palm oil industry partners to assess practical methane mitigation strategies in POME treatment. Our work integrates LCA methodologies with practical mitigation strategies to support environmental performance improvement and greenhouse gas reduction in industrial wastewater management.

We have chosen JBES as the submission venue because of its strong focus on environmental sustainability. We believe that our study aligns well with the journal’s scope, particularly in advancing sustainable waste management practices and greenhouse gas mitigation strategies. This manuscript evaluates the environmental impacts of implementing methane capture in Palm Oil Mill Effluent (POME) treatment systems using an LCA. The study provides a comparative analysis of different treatment scenarios and quantifies potential reductions in greenhouse gas emissions and environmental burdens. We believe this contribution offers practical and scientific value for policymakers, industry stakeholders, and researchers in environmental management.

We confirm that this manuscript is original, has not been published previously, and is not under consideration for publication elsewhere. All authors have reviewed and approved the final version of the manuscript and agree with its submission to JBES. The authors declare that there is no conflict of interest. We believe that this work fits well within the scope of JBES and will be of interest to its readership.

Thank you for considering our submission. We look forward to your response.

Sincerely,

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Proposed Reviewers

- Dr. Yoyon Wahyono (Research Center for Sustainable Production System and Life Cycle Assessment, National Research and Innovation Agency - BRIN, Indonesia)
- Prof. Dr. Joni Safaat Adiansyah (Postgraduate Program of Environmental Sciences, Universitas Muhamnadiyah Mataram, Indonesia)

We would like to propose Dr. Yoyon and Prof. Joni as potential reviewers for our manuscript on the environmental impact assessment of methane capture implementation in POME treatment. We believe they have strong expertise in the field of Life Cycle Assessment (LCA) and would be well qualified to provide valuable insights.