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Special Issue Submission-Journal of Chemical Technology and Metallurgy

2 messages

Dewanto Harjunowibowo <Dewanto.H@nottingham.ac.uk> Wed, Nov 29, 2017 at 6:19 PM
To: Heri Septya Kusuma <heriseptyakusuma@gmail.com>

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Dr. Heri Setya Kusuma

The Guest Editor

Journal of Chemical Technology and Metallurgy

November 29, 2017

Dear Dr. Heri Setya Kusuma:

I am pleased to submit an original research article entitled "The proliferation of effective microorganism (EM) in vinasse and its application in the fertilisers manufacture of livestock-wastes based" by Triastuti Sulistyaningsih, Nuni Widiarti, and Dewanto Harjunowibowo for consideration for publication in the ***Journal of Chemical Technology and Metallurgy***. We previously uncovered a simple method to recycling alcohol fermentation process by-product , and this manuscript builds on our study to determine role strategies to solve pollutant in society caused by vinasse in Indonesia.

In this manuscript, we show that liquid waste of alcohol industry could be successfully processed as an effective growing medium of microorganisms and can be used as starter bacteria organic fertiliser manufacture. The effective microorganism has many benefits to be used directly in the soil as a soil enhancer or used to accelerate the maturation of organic fertiliser. The EM inoculum is added to the prepared media and the breeding result is used for the manufacture of organic fertiliser based on goat farm waste. The EM culture analysis result showed an increase in microbial number, while organic fertiliser analysis showed that organic matter content was 43.42%, nitrogen 3.05%, phosphate 0.40% and potassium 1.23% which could result in proper condition for the crops.

We believe that this manuscript is appropriate for publication by the ***Journal of Chemical Technology and Metallurgy*** special issue because it well-matches with the scope of the journal. Our manuscript creates a paradigm for future studies of the built environment.

This manuscript has not been published and is not under consideration for publication elsewhere. We have no conflicts of interest to disclose.

Thank you for your consideration!

Sincerely,

On behalf of authors,

Dewanto Harjunowibowo

Sustainable Energy Technology
Architecture and Built Environment Department
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Dewanto Harjunowibowo <Dewanto.H@nottingham.ac.uk> Wed, Nov 29, 2017 at 6:21 PM
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The proliferation of effective microorganism (EM)_Triastuti.docx
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