

ReviewForm 1.7

JournalName:	JournalofEngineeringResearchandReports
ManuscriptNumber:	Ms_JERR_101410
TitleoftheManuscript:	EnhancementofaDecentralizedWastewaterTreatmentSystemby Applying aBio-tower-AProjectforImprovingourEnvironmentalFootprint
Typeofthe Article	OriginalResearchArticle

General guidelineforPeer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. ToknowthecompleteguidelineforPeer Reviewprocess,reviewersarerequestedtovisitthislink:

<https://www.journaljerr.com/index.php/JERR/editorial-policy>

[ReviewForm 1.7](#)

PART1:ReviewComments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write a few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes.</p> <p>No. The title mentioned 'Environmental Footprint', however no element/component of carbon footprint are discussed in the manuscript. Therefore, please revise the title, or, add one subtopic regarding carbon footprint in the Result Section.</p> <p>Yes.</p> <p>Additional subtopic may require pertaining to 'bio-tower installation costs' and 'carbon footprint'.</p> <p>Yes.</p> <p>It is preferable to cite the most recent publication within the previous 10 years. Please replace or add Reference Number 14 with 'Recent Developments in Biological Processing Technology for Palm Oil Mill Effluent Treatment—A Review. <i>Biology</i> 2022, 11(4), 525; https://doi.org/10.3390/biology11040525'.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>Minor editing.</p>	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> 1. Abstract, Page 18: Check spelling for 'shoed'. 2. Keyword: Check spelling for 'Biotower'. Please standardize the spelling throughout the manuscript: 'biotower' or 'bio-tower'. 3. Please replace gallon with liter (L) throughout the manuscript. 4. Page 5: Check spelling for 'achive'. 5. Page 6: Check sentence structure '...supported with with...' 6. Page 6: The authors utilize BGMP in the bio-towers. Please provide more information regarding the BGMP, such as the price. 7. Page 8: Results and Discussion: The authors mentioned that the effluent quality is analyzed over 3-months. Please state the starting month and end of the experiment. 8. Page 12: Fig. 9 caption. Recheck the caption (a) without biofilm and (b) with biofilm? 9. Page 15: Replace 'nitrogen ammonia' with 'ammoniacal nitrogen'. 10: The authors highly suggested adding one more subtopic of 'cost installation of the bio-towers'. 11: Please add data pertaining to BOD, COD, TSS, etc. and compare the data with those of utilizing bio-towers. 12: Page 19: It is preferable to cite the most recent publication within the previous 10 years. Please replace or add Reference Number 14 with 'Recent Developments in 	

ReviewForm 1.7

	BiologicalProcessingTechnology forPalmOilMillEffluentTreatment—AReview. <i>Biology</i> 2022 , 11(4),525; https://doi.org/10.3390/biology11040525 . 13: The title mentioned 'Environmental Footprint', however no element/component of carbon footprint are discussed in the manuscript. Therefore, please revise the title, or addonesubtopicregarding carbonfootprintintheResultSection.	
--	---	--

PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Siti Baidurah
Department, University & Country	School of Industrial Technology, Universiti Sains Malaysia, Malaysia