

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_123702
Title of the Manuscript:	Effect of Artificial LED and Natural Light on the Growth of Cucumber Plant (<i>Cucumis sativus</i>) in Hydroponic Dutch Bucket System
Type of the Article	

General guidelines for the Peer 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. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (<i>Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here</i>)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The subject of this manuscript is interesting, but only by measuring leaf area, average plant height, and average root length, it is not possible to reach a scientific conclusion. Other morphological traits such as number of leaves, number of internodes, stem diameter and dry weight could be helpful. This manuscript is incomplete in terms of writing, science and technology.	
Is the title of the article suitable? (If not please suggest an alternative title)	To make the title shorter, the Dutch Bucket should be removed. Also <i>Cucumis sativus</i> should be written in italics. As a suggestion: Effect of Artificial LED and Natural Light on the Growth of Cucumber Plant (<i>Cucumis sativus</i>) in Hydroponic System	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract of the manuscript is appropriate. Keywords should not be in the title of the manuscript. Keywords: Dutch Bucket System, Leaf area , Morphological, Plant height, Root length.	
Are subsections and structure of the manuscript appropriate?	The structure of the manuscript is appropriate	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	This manuscript has problems in terms of writing, science and technology. In the materials and methods section: The design of the experiment and the number of repetitions and conditions of the experiment are not mentioned. How to measure the parameters is not stated? Statistical analysis is not mentioned. Table 1 is not referenced in the text. In the results and discussion section: The title of the discussion is written, but the results are not discussed. Figures 3, 4 and 5 are not shown in the manuscript. The conclusion is a repetition of the previous material and should be rewritten.	

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<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>=</p>	<p>References are not enough. In the introduction, some sentences are mentioned without reference. There is no discussion section in the manuscript and therefore the reasons for the results as well as the results of other researchers are not discussed Check the year in the reference below. Kuan-Hung Lin, Meng-Yuan Huang, Wen-Dar Huang, Ming-Huang Hsu, Zhi-Wei Yang, Chi-Ming Yang. 2013. The effects of red, blue, and white light-emitting diodes on the growth, development, and edible quality of hydroponically grown lettuce (Lactuca sativa L. var. capitata). Scientia Horticulturae 150 86–91</p> <p>Check the reference below. Kim H-H, Goins GD, Wheeler RM, Sager JC (2004a) Green-light supplementation for enhanced lettuce growth under red and blue light emitting diodes. Hortscience 39:1617–1622</p> <p>The following references are not mentioned in the text. Auerswald, H., Schwarz, D., Kornelson, C., Bruckner, B., 1999. Sensory analysis, sugar, and acid content of tomato at different EC valuables of the nutrient solution. Sci. Hortic. 83, 227–242</p> <p>Motsa, M.M., Slabbert, M.M., van Averbek, W. & Morey, L. 2015. Effect of light and temperature on seed germination of selected African leafy vegetables. South African Journal of Botany 99: 29-35. Janda T, Majláth I, Szalai G (2014) Interaction of temperature and light in the development of freezing tolerance in plants. J Plant Growth Regul 30:460–469</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>In my opinion, the language/English quality is appropriate</p>	
<p>Optional/General comments</p>		

PART 2:

	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>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

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