

**Review Form 3**

Journal Name:	<b>Journal of Scientific Research and Reports</b>
Manuscript Number:	<b>Ms_JSRR_121446</b>
Title of the Manuscript:	<b>Effect of chemical mutagens on vegetative growth of <i>Calendula officinalis</i> L. (cv. Calypso orange)</b>
Type of the Article	

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**PART 1: Review Comments**

<b>Compulsory</b> 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>
<p><b>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.</b></p>	<p>A well-conducted study on screening the effects of mutagens on the growth parameters of <i>Calendula officinalis</i> L. (cv. Calypso orange). Mutagens such as sodium azide and diethyl sulfate have been induced in this plant at various concentration ranges. This research can serve as a foundation for cultivation practices and enhance the productivity of <i>C. officinalis</i>.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>I agree with the title of the article.</p>	
<p><b>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.</b></p>	<ul style="list-style-type: none"> <li>- The abstract has been well-written; however, it should include some background information and the research objectives at the beginning of the paragraph.</li> <li>- At the end of the paragraph, it would be beneficial to add the conclusions or future prospects related to the conducted research.</li> <li>- The title of the study does not need to be mentioned in this section.</li> <li>- In the keywords section, add several terms that are not included in the title of the research.</li> </ul>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>No. Use subsections and revise the manuscript structure according to the provided Paper Template.</p>	
<p><b>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.</b></p>	<p>INTRODUCTION</p> <ul style="list-style-type: none"> <li>- Provide a "big why" statement to clarify the urgency of this research</li> <li>- Add the research objectives in this section</li> </ul> <p>METHODS SECTION</p> <ul style="list-style-type: none"> <li>- The research conducted already used control plants for comparison with three replications. However, it is necessary to add information about the environmental conditions during the planting of <i>Calendula officinalis</i> (such as temperature, humidity, sunlight intensity, etc.) so that similar research with comparable results can be conducted in the future.</li> <li>- Clarify the information about the application of mutagen doses to <i>C. officinalis</i> (age of the plant and method of mutagen application). Also, clarify the watering regime of the plants.</li> <li>- Add information about the statistical tests used in data analysis. I suggest conducting ANOVA to explore the effect of each mutagen dose, which will help in drawing conclusions about the best dose for the growth parameters of <i>C. officinalis</i> based on a statistical approach.</li> <li>- Please add the manufacturer and country of origin for the mutagens and materials used in this study, including the voucher number for <i>C. officinalis</i> if available.</li> </ul> <p>RESULTS AND DISCUSSIONS</p> <ul style="list-style-type: none"> <li>- I appreciate that this section has been well-written. The research results have been compared with previous studies.</li> <li>- Mention Table 1 within the paragraphs of this section.</li> <li>- Also, discuss the limitations of this research and the future prospects for further studies.</li> </ul> <p>CONCLUSION</p> <ul style="list-style-type: none"> <li>- Add future prospects for subsequent research.</li> </ul>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p> <p>⋮</p>	<p>Authors should ensure that all references follow the journal guidelines:          "Authors. Title of article. Name of Journal. Year; Number(Volume): Pages."  <ul style="list-style-type: none"> <li>- List the first six authors followed by et al.</li> <li>- Use abbreviations for journal names.</li> <li>- Add DOI numbers (if available).</li> </ul> </p>	

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Minor REVISION comments	Yes, it is	
<b>Is the language/English quality of the article suitable for scholarly communications?</b>		
Optional/General comments		

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>Raihan Permana Putra</b>
Department, University & Country	<b>IPB University, Indonesia</b>