

Review Form 3

Journal Name:	Journal of Agriculture and Ecology Research International
Manuscript Number:	Ms_JAERI_122195
Title of the Manuscript:	EVALUATION OF MOST APPROPRIATE PROPAGATION MEDIA FOR REGENETRAION OF PINEAPPLE SEEDLINGS FROM PINEAPPLE CROWN LEAVES
Type of the Article	Original Research Article

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	This manuscript is of great importance to the scientific community as it tackles a critical agricultural issue within a specific region, focusing on sustainable practices that have the potential for broad adoption by local farmers. The study's robust methodology, utilizing a randomized complete block design with replication among farmer groups, ensures the reliability of the comparisons between different propagation media.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is descriptive but could be refined for clarity and impact: Identifying Optimal Media for Regenerating Pineapple Seedlings from Crown Leaves	
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.	It's comprehensive but too detailed for an abstract. I suggest removing some sentences to ensure specificity and avoid repetition (look to the background information while I prefer introduction instead): Abstract: Pineapple cultivation is a crucial income source for small-scale farmers in Magarini Sub-county, contributing to food security in areas with unreliable rainfall. To expand pineapple production, there is a need for effective and affordable propagation methods. Tissue culture, a standard method, is not feasible due to high costs. This study explores alternative methods by evaluating locally available propagation media for regenerating pineapple seedlings from crown leaves. A randomized complete block design with four replications was used across four farmer groups. The media tested were Coir dust, Soso soil, Sokoke soil, and a Chitosan-coir dust mixture. Results showed that Coir dust and Soso soil had the highest germination and emergence rates (50%-75%), compared to Sokoke soil (14%-60%) and Chitosan (4%-35%). Despite Coir dust's effectiveness, its high cost led farmers to prefer Soso soil as the most viable propagation medium.	
Are subsections and structure of the manuscript appropriate?	yes	
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.	-The results are presented clearly, with success rates for each media type discussed in relation to the specific conditions of each farmer group. However, it is important to note that the number of seedlings planted varied significantly among the groups. This discrepancy could potentially impact the results and affect the accuracy of the germination percentages reported. Ensuring a consistent number of planted seedlings across all groups would enhance the reliability and comparability of the findings. -The study does not mention the use of statistical analysis to determine the significance of differences observed between media. Including statistical tests would increase the rigor of the results.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	The references are more or less recent but are not well organized. They need to follow a single format, such as APA style (e.g., Hossain, M. F., Akhtar, S., & Anwar, M. (2015). Nutritional value and medicinal benefits of pineapple. International Journal of Nutrition and Food Sciences, 4(1), 84-88). Additionally, the references should be listed in alphabetical order. Instead of using numbers in the text, I recommend replacing them with author names and publication years. For example, instead of referring to a source as (11), it should be cited as Hossain et al. (2015) in the text.	

Review Form 3

<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>It needs some improvements: Check for grammatical errors and awkward phrasing. For instance:</p> <p>Original: "It is the leaf bud in each leaf that germinated to give a seedling" could be rephrased to Revised: "Each leaf bud germinated to produce a seedling."</p> <p>Original: "The results, as evaluated by the participating farmers showed that Coir dust and Soso soil had the highest success rates of germination and emergence of pineapple seedlings, of between 50% to 75%, followed by Sokoke soil which resulted in success rates of between 14% to 60%, while Chitosan had the least at between 4% and 35%."</p> <p>Revised: "The results, evaluated by participating farmers, indicated that Coir dust and Soso soil had the highest success rates for germination and emergence of pineapple seedlings, ranging from 50% to 75%. Sokoke soil followed with success rates between 14% and 60%, while Chitosan had the lowest success rates, ranging from 4% to 35%."</p>	
<p>Optional/General comments</p>		

PART 2:

	<p>Reviewer's comment</p>	<p>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>
<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:

<p>Name:</p>	<p>Ilham El Qadmi</p>
<p>Department, University & Country</p>	<p>Ibn Tofail University, Morocco</p>