

## Review Form 1.6

Journal Name:	<a href="#">Journal of Experimental Agriculture International</a>
Manuscript Number:	Ms_JEAI_85257
Title of the Manuscript:	VIABILITY AND VIGOR OF PITOMBA SEEDS (Talisia esculenta (St. Hil) Radlk) IN TWO STAGES OF MATURATION IN THE DIFFERENT SUBSTRATES
Type of the Article	

### General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljeai.com/index.php/JEAI/editorial-policy> )

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PART 1: Review Comments

	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)
<u>Compulsory</u> REVISION comments	<p>At work, it was tried to present what impact on the germination of seeds and the development of the <i>Talisia esculenta</i> seedlings has the term harvesting fruit and the type of substrate used to breed. In this respect, work is interesting, mainly from a utilitarian point of view. Nevertheless, I believe that the research was carried out in a very narrow scope, which, for example, could not be given a specific information on what stage of fruit maturity should be made by harvesting to obtain from their seeds. It was only found that the variant of fruit acquisition directly from the tree was more preferred.</p> <p>In the Abstract section, North and Northead Regions are given, but it is not entirely clear about the regions of which country or continental is mentioned (similarly it is formulated in the first paragraph of the Introduction section, although you can guess that it's about South America).</p> <p>The Keywords section should not be repeated phrases already in the title of the manuscript. For example, you can remove the Latin genre name from the title and put it as one of the keywords instead of using an English name.</p> <p>In the Introduction section, giving the general characteristics of the species tested, it would be more favorable to provide the scope of the recorded values of the characteristics, and not only their mean value.</p> <p>In the Materials and Methods section, the details of fruit selection for testing and by which the device were made of pulp. At what temperature did the seed drying in the shade and what was recorded at this time? In addition, the characteristics of the substrates used are not given, focusing only on the general define of their ingredients, even without the proportion of their use. How was seed sowing, how did the seeds be placed relative to each other like a thick layer of the substrate was put on trays? After what period of cultivation, the morphological characteristics of the seedlings were assessed (only the deadlines for determining germination indicators) were given? From where the FEC term is due (maybe it would be worth referring here to normal or other scientific report). A description of determining the SE parameter is completely understood, because in the results there is no pace of the appearance of seedlings in subsequent days. The criterion for recognizing a given plant was not clarified. Detailed explanation requires the formulation of "perfect essential structures". By means of which apparatus, a mass of shoots and what accuracy of these measurements were made? Please specify who is the Sisvar statistical software producer.</p> <p>The Results and Discussion section should be more expanded, for example about the comparisons of the value of the indicators obtained in relation to the other researchers noted for the described species or other species with a similar experiment layout. When analyzing the data contained in Table 1, you can only guess what indexists with pants and small letters mean. This must be given in the description under the table. It would probably be more preferably to put in the title of this table in brackets, the symbols of the characteristics of the characteristics, and the units include in the header after appropriate symbols. I also consider that when presenting the characteristics of the characteristics, germination should be taken into account at the beginning, and only then the properties of plant seeds (this also applies to the description of the test methodology).</p> <p>When formulating the Conclusion section, the authors must try more. They only gave that a higher vigor and viability values were obtained in the testing variants, but there is no information to which they referred to their results. One short sentence suggests readers that the scope of research was very modest, the results obtained are not valuable, because nothing interesting can be inferred on them.</p>	

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<b>Minor</b> REVISION comments	<p>In terms of editorial, the text is written as a uniformity, but not in accordance with the requirements of the magazine contained in the file placed in the MS word paper template tab (<a href="http://www.eurohost365.net/doc/sdi-paper-template.docx">http://www.eurohost365.net/doc/sdi-paper-template.docx</a>). In addition, the following elements should be paid to:</p> <ul style="list-style-type: none"><li>- in the title word seed is written unnecessarily in italics, tasonometric shortcuts should be written to normal font,</li><li>- the name of the month should be written from a large letter,</li><li>- when there is a vocation to a source in the form: "[21] warned ..." should be saved as follows: "Carrasco and Castanheira [21] warned ...",</li><li>- remove unnecessary spaces when marking the significance of differences in Table 1,</li><li>- literature sources with numbers 11 and 20 are two different editions of the same position.</li></ul>	
<b>Optional/General</b> comments	<p>When editing subsequent reports by the authors, I propose a characteristic of the obtained seed material in the aspect of determining at least its basic physical characteristics, which would allow to obtain, among others data on its presence. Another aspect to consider is to investigate a few periods of fruit harvest, which would be able to obtain information at which the maturity stage is most advantageous to acquire them. It is also a pity that you have not tried to collect fruit from several different regions. The following publications will be useful for text correction.</p> <p>da Silva et al. 2021. Physiological quality of Talisia esculenta (Cambess.) Radlk. stored seeds</p> <p>Zuffo et al. 2018. Fruit biometry and pitombeira seed [Talisia esculenta (St. Hil) Radlk (Sapindaceae)]</p> <p><a href="https://doi.org/10.1590/0100-67622016000300007">https://doi.org/10.1590/0100-67622016000300007</a></p> <p><a href="http://dx.doi.org/10.5433/1679-0359.2009v30n4p761">http://dx.doi.org/10.5433/1679-0359.2009v30n4p761</a></p> <p><a href="http://dx.doi.org/10.5433/1679-0359.2015v36n1p7">http://dx.doi.org/10.5433/1679-0359.2015v36n1p7</a></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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

## Reviewer Details:

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