



SDI Review Form 1.6

Journal Name:	<a href="#">Annual Research &amp; Review in Biology</a>
Manuscript Number:	Ms_ARRB_49265
Title of the Manuscript:	Development of liquid enhancer containing KCl, Thiourea, Gibberellic acid and Salicylic acid for germination of drought-stressed Malaysian Indica rice seed cv. MR284
Type of the Article	Original Research 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
<p><b>Compulsory</b> REVISION comments</p>	<p><b>This manuscript is scientifically robust and technically sound. The Topic, Abstract, Introduction, Materials and Methods, Results, 7 Tables, 1 Figure, Discussion, Conclusion and References are all of acceptable standard. However, some modification needs to be made to enhance easy handling of this work to meet acceptable standards for manuscripts publication.</b></p> <ol style="list-style-type: none"> <li>1. There could be need to follow the acceptable format for Journal article write up for this Journal (ARRB).</li> <li>2. References in the text in the body of the work are put in square continuous numbering as [ ] and at the end, they are numbered as they appeared within text, with the year of publication below, under the <b>REFERENCES</b> column.</li> <li>3. Tables need to be drawn to the required format for this Journal. It could be very necessary to use the 'Insert – draw Table' format. Figures could be drawn in 'Excel' and then copied back to 'Word' for easy editing and inserting of 'Line numbering' for during the reviewing of this manuscript. It has not been possible to add 'Line numbering'.</li> </ol>	
<p><b>Minor</b> REVISION comments</p>	<ol style="list-style-type: none"> <li>1. Topic could be put as - <b>DEVELOPMENT OF LIQUID ENHANCER FOR GERMINATION OF DROUGHT-STRESSED MALAYSIAN INDICA RICE SEED CV. MR284</b></li> <li>2. Abstract could be written as – <b>ABSTRACT</b></li> <li>3. Keywords and Introduction could be put as – <i>Keywords: Liquid enhancer; drought-stressed seed; germination; seed vigor</i></li> </ol> <p><b>1. INTRODUCTION</b></p> <ol style="list-style-type: none"> <li>4. Could correct the following as follows – Drought is one of the abiotic stresses that 'is' known insufficiency of water is a 'creeping' selection 'of' drought 'tolerant' cultivars, this study was 'developed in' liquid enhancer rice seed's' cv. MR284.</li> </ol> <p><b>2. MATERIALS AND METHODS</b></p> <p><b>2.1 Seed material and sterilization</b></p> <p><b>2.2 Priming of MR284 rice seed in PEG 6000</b></p> <p><b>2.3 Development of liquid enhancer</b> KCl, TU, GA, and SA were prepared Table 1. Mohammed [ ], Arfan, Artar, &amp; Ashraf [ ], Hassanein, Amin, Rashad, and Ali [ ] Under <b>Step 2:</b> The combination treatments were as listed in Table 2. Could add as follows - ' Control contained distilled water'.</p> <p><b>2.3 Seed germination</b> The petri dishes were arranged under a completely randomized design (CRD) of 9 treatments and 6 repetitions, totaling 54 seedlings in all, and kept at room</p> <p><b>2.3 Germination parameters</b> were analysed by using One-way ANOVA, SPSS version 22 [?] at confidence</p> <ol style="list-style-type: none"> <li>3. Germination index (Anchalee, 2011) <math display="block">\text{Germination index} = \frac{\sum \text{Number of germinated seed}}{\text{Number of days}}</math></li> <li>4. Biomass = Weight of germinated seed (g)</li> </ol>	



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	<p><b>3. RESULTS</b></p> <p><b>3.1 Selection of ideal concentration for KCl, TU, GA, and SA</b> shown in Tables 3-6. From the Table 2, 30 mM KCl, 2.0 mM TU,</p> <p><b>3.2 Combination treatments to produce liquid enhancer</b> In Table 7, some of the treatments did not differ <math>P &gt; 0.05</math> from each other. Under <b>Table 7</b>, (sub- heading '<b>Combination</b>' could be changed to '<b>Treatments</b>' Values are the mean <math>\pm</math> standard errors of measurements made on six replicates/repetitions.</p> <p><b>4. DISCUSSION</b> There were two steps involved Potassium (K) plays a critical</p> <p><b>5. CONCLUSION</b> facing problem to start germination due to</p> <p><b>REFERENCES</b> Could add – 'SPSS version 22' under the references if possible.</p>	
<u>Optional/General</u> comments	Effort could be added to upgrade manuscript.	

**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>	

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