



**SDI Review Form 1.6**

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Journal Name:            | <a href="#">Journal of Experimental Agriculture International</a>                                                             |
| Manuscript Number:       | Ms_JEAI_32650                                                                                                                 |
| Title of the Manuscript: | EFFECT OF VARIATION IN UREA CONCENTRATION USED IN RETTING, ON THE PHYSICO-CHEMICAL AND MECHANICAL PROPERTIES OF KENAF FIBRES. |
| 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:

(<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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <ol style="list-style-type: none"> <li>1. Comprehensive literature review needs to be done especially on recent articles.</li> <li>2. The tensile testing procedure you followed needs to be stated and the exact corresponding standard.</li> <li>3. You need to explain how you maintained your ratting liquor at 37 oC and 25 oC.</li> <li>4. Your results have been presented but you need to discuss it especially to explain the departure from basic knowledge or literature. Example, Kenaf fiber is known to have tensile strength in the range of 200 – 900 MPa but you are reporting an insignificant 3 MPa.</li> <li>5. After addressing item 1, then your references would have been beefed-up. The references also need to be arranged to follow the Journal's specification.</li> </ol> | <p>The temperature was set and maintained in the incubators.</p> <p>If someone had worked on the different fibrous plants elsewhere and got the values ranging from 200 -900Mpa for tensile strength does NOT in any way nullify or invalidate other works with less or more tensile strength than that range. Your suggestion implies that because Farmer A planted yams in an acre of land and he harvested 20,000 yams, SHOULD farmer A tell farmer B who harvested 1000 yams in another one acre of land NOT to work/use his produce? For your Information, we have efficient Fibre testing machine here see my methodology.</p> <p>Secondly, It may interests you to note that Mohd Yuhazri et al (2011) reported 6% NaOH had 90.8MPa , and 9% NaOH = 69.1MPa tensile strength of kenaf fibre. Also, <i>El-Shekeil</i> et al (2012 ) reported 25MPa, 33MPa ,36 MPa and 43MPa tensile strength for kenaf fibre reinforced thermoplastic polyurethane composite. There are several factors that can be responsible for these discrepancies. And so where did you get 200-900MPa T.S. that you have cited?</p> |



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|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes, my references have been increased (beefed-up )                                                                                                                                                                                                                                                                                                       |
| <b><u>Minor</u></b> REVISION comments   | <ol style="list-style-type: none"> <li>1. Grammatical errors need to be corrected especially in use of punctuation marks, spacing and 'of'.</li> <li>2. You may use words like 'determine' in objective because objectives require quantifiable terms rather than vague terms like access.</li> <li>3. There should be consistent colour for each group of variant in the graphs i.e. maintain a colour for 1 % and another one for 2 % etc.</li> </ol> | <p>I have read it thoroughly as to correct all grammatical errors.</p> <p>Each test is statistically analysed and the parameters are interpreted independently. It is NOT possible to one (uniform) colour for 1 % urea or 2% urea in all the tests.</p>                                                                                                  |
| <b><u>Optional/General</u></b> comments | <ol style="list-style-type: none"> <li>1. What happens at 0.5 % or at 3 % urea concentration? This is the need to design the experiment and optimize your results.</li> </ol>                                                                                                                                                                                                                                                                           | <p>From the Literature someone had already worked on the treatment of fibre with 1% and 3% NaOH (sodium hydroxide) solution( Please, see Mohd Yuhazri et al.,2011). The use of 1 and 2% urea concentration is a novelty of my work ,El-Shekil et al (2012) worked on 2% and 4% NaOH treatment on kenaf reinforce thermoplastic polyurethane composite</p> |