

Review of: "Investigation of Mechanical Properties of Sisal Fiber and Sugar Palm Fiber Reinforced Hybrid Composites"

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Potential competing interests: No potential competing interests to declare.

Review report

Manuscript Title:

Investigation of Mechanical Properties of Sisal Fiber and Sugar Palm Fiber Reinforced Hybrid Composites.

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Dear Editor,

After careful examination of the manuscript, please find my comments below.

The title captures the focus of the research, even as the scope of the research is well tailored to address an essential research problem. The background information in the introduction is well composed but contains claims that need to be referenced as authority to back up such claims. Nonetheless, the study should highlight the background of sisal composites in the known and why sugar palm fiber is of interest aside from cost advantage. The originality of the research is of good standing; however, the study should detail further the methodological procedure, revealing the duration of resin applications and the mechanical testing process; these are crucial to ascertain the veracity of the research.

Comparative analysis with comparable composites will reveal further the mechanical advantage of this improved composite, thereby further justifying the study. Moreover, the study should reveal if there are unique properties that make the composites environmentally friendly; this will tectonically shift the novelty of the research into a dire need. In the same vein, SEM analysis of the composites, if within reach, should be carried out; it will go a long way in revealing in-depth properties.

Discussion on the findings should be further corroborated with literature to showcase that the study is an investigation; even as the report needs procedural pictures of the original research. Furthermore, conclusions on the empirical findings should be drawn from deep mechanical studies; to safely nail the findings. Recommendations for further study should also be highlighted, especially since the study created many open questions.

The study has broadly contributed to knowledge in the field; the result is worthy of note and opens up insight for further studies on sisal and palm fibers. Consequentially, this is much needed for applications in the modern world. Kindly ensure revealed improvements are made before publication.



Warm regards,

Ademati Akeem.