

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.

The paper investigates the hybrid sisal and palm sugar fiber/epoxy composites, focusing on the tensile, flexural, and impact strength, as well as water absorption. The idea seems good, but it needs much work to improve the quality of the paper. In the abstract, the background is too general, not directly focusing on the main idea. In the Introduction, the review is diverse, and it is difficult to point out the novelty of the research. The objective of the research is not yet well defined. In the methods, please go directly to what has been done in fiber preparation. Please also explain why the authors use a high alkali concentration (20%) for alkali treatment, as most of the literature suggests using 5-6% of alkali solution to obtain optimum results. Using high alkali concentrations tends to damage the fiber. Please also mention what kind of matrix is used and what the properties are. Why do you use a total content of 30% and different fiber lengths? Please also provide the replication of the mechanical tests. What is the purpose of the water absorption test? Is it to obtain short-term water absorption or long-term values such as water saturation and water diffusion constants? I think there is not enough information if the immersion is only up to 4 days.