Reviewer's report

Title: Effects of Gelam and Acacia honey acute administration on Sprague dawley rats

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Reviewer: Aliyu Muhammad

Reviewer's report:

Reports after Review of the Manuscript Titled “Effects of Gelam and Acacia honey acute administration on Sprague dawley rats”

In this piece of research work, the authors tried to study the effects of acute administration (14 days) of Gelam honey (GH) and Acacia honey (AH) on Sprague Dawley (SD) male and female rats. Their findings results suggest that GH and AH at 2000mg/kg body weight of SD rats are safe and appropriate for other analyses. However, after going through the drafts, I have the following minor and major concern vizi:

Minor concerns:

- The write-up is characterized by some grammatical/typo errors that need to be urgently addressed. For instance, “therefore” is repeatedly mentioned in the last two sentence of the background section of the abstract e.t.c.
- Like in table 1 and 2 the statistical signs were not well assigned within and outside the tables
- There were no arrows to indicate the histophathological observations on the photomicrographs/plates

Major concerns:

- The author did not explain why the choice of SD rats not Wistar or mice
- The basis of using both male and female rats and also reflection of that in the conclusion
- Looking at the table 2 one can see that the results are contrary to the some part of the conclusion because the liver and kidney function indices were higher than the control and yet the authors recommended that the honey(s) are safer.
- The authors did not actually discuss the implication of most the results in the discussion part in details.....like variation on the results of male and female rats, liver enzymes e.t.c.
- Since the work is basically on the acute administration there may need for the reader to know atleast the proximate compositions of the said honey (s).

My Decision:
Generally, the work seems to be interested and knowledge-contributing especially in the area of functional food-based research. It can be considered after addressing the above concerns.

**Level of interest:** An article of outstanding merit and interest in its field

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** Yes, and I have assessed the statistics in my report.