

# Review of: "Toxicity of Olea africana in Artemia Salina and Mice"

Muhd Hanis Md Idris<sup>1</sup>

<sup>1</sup> Universiti Teknologi Mara

**Potential competing interests:** No potential competing interests to declare.

Please send the article to proof-read service for English.

Title needs to be more specific and reflect the content of article. Suggestion: Toxicity Evaluation of Ethanol Extract of *Olea africana* Leaves in Mice and Brine Shrimp (*Artemia salina*)

## Abstract

- Need to add introduction and significant of study/problem statement
- The study conducted acute and subacute toxicities, but the results of both studies were not clearly mentioned

## Methods

- Please includes the voucher number specimen
- Why the study uses two different models to assess the toxicity of the extract?
- What type of mice were used in the study? How about their gender, age, weight etc.?
- The conditions of animal care were not clearly described.
- Which guidelines were used for acute and subacute studies?
- How many mice were used per group in acute toxicity study?
- Why seven animals per group were used in subacute toxicity study?
- Did the mice were sacrificed at the end of acute toxicity study?
- Did the study only measure the hematological, biochemical and histological properties without observing the behaviour of the animals for toxicity studies?
- Why two-way ANOVA was used for statistical analysis?

## Results

- Table 1: Any SD for the results?
- It is suggested to organize the results separately according to the studied parameters
- Figure 1 was incompletely labelled. The figure should be self-explanatory
- Table 3: Please indicate the full name for each abbreviation use
- Figure 3 & 4: The magnification power were different and not comparable. The site of observations was also different.
- There was non-dependant result of the effect of the extract in biochemistry and hematological parameter. Please

explain on this matter.

- The results of acute and sub-acute toxicity studies were also inconsistent. Please explain on this matter.