Reviewer's report

Title: Experimental assessment of antidiarrheal and antisecretory activity of Zehneria scabra in mice

Version: 2 Date: 27 June 2014

Reviewer: Md. Masudur Rahman

Reviewer's report:

Major Compulsory Revisions
1. Concise Background and more references
2. Avoid repetition of the sentences in Background and Discussion
3. Clarify the dose of castor oil (0.5/1ml), different in experiment and discussion
4. Mention % humidity in the animal care room
5. Provide approved No. from animal ethical committee
6. Addresses the country of the institution
7. Clarify which part of the plant was used (aerial parts/leaf)
8. Why mice were not fasted for fixed hour in acute toxicity test? It was 3-4 h.
9. Were you followed 14 no. reference for Gastrointestinal motility test, why?
10. Were you followed 11 & 14 no. references for antisecretory test, why?
11. Was your calculation for percentage of inhibition followed proper relationship?
12. Some reference are not as per journal reference formats
13. Why extract yield was preserved at -40°C?
14. Language improvement is needed

Minor Essential Revisions
1. Which part and/or extract type were used, should mention in the title
2. Concise physical description of the plant
3. Incompatible result of 200 dose compared to 100 & 400 dose on interstitial motility, why?
4. Correct space between word and unit throughout the manuscript.
5. Use same word format throughout the manuscript. E.g, anti-diarrheal/antidiarrheal etc.
6. Provide the designation and affiliation of the taxonomist

Discretionary Revisions
1. Measuring the volume of intestinal secretion was a difficult procedure in mice,
but it is somewhat easy in rats. Why didn't use rats?

2. Emphasize in correlation between output of the experiment and diarrhea in "Discussion"

3. Avoid excessive repetitions of the sentences in the "Discussion" from "Background"

4. Should specify the contribution of the authors under "Authors' contributions"

5. Should have Pathological changes & body weight check list since acute toxicity observation was for 14 days.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Not suitable for publication unless extensively edited

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests