Reviewer's report

Title: Effect of Flabellaria paniculata Cav. extracts on gastric ulcer in rats

Version: 1 Date: 16 April 2012

Reviewer: Zainul Amiruddin Zakaria

Reviewer's report:

16th April, 2012
Dear Editor-in-Chief of BMC,

I have read the manuscripts entitled “Effect of Flabellaria paniculata Cav. extracts on gastric ulcer in rats” by Sofidiya et al. and have raised several issues regarding this manuscript.

Overall, the manuscript is given a status Major Compulsory Revision.

The issue are as given below.

1. Why were the methods of extractions differed for the leaves and roots?
2. What is the ratio of samples to ethanol used in extraction?
3. Why dried the roots at 45oC but evaporate it below 40oC?
4. What is the exact temperature or temperature range for evaporation under vacuum? Below 40oC is too general.
5. Why used to different elution system to the two extracts? Different eution yield different compounds. Then what is the purposed of comparing the two extracts?
6. Why used cimetidine instead of misoprostol in pylorus ligation model?
7. Why was there no histological findings reported in this manuscript, This data are important to further confirm what have been reported in those tables and to significantly support the reported data.
8. Page 11; Paragraph 1; Why the activity reduced as the dose increased? No explanation given.
9. Page 11; Paragraph 2; 400 mg/kg FPL did not significantly affect the pH of gastric content. The claimed that 400 mg/kg FPL increase the pH should be removed. Removed also all claimed made for other insignificant data.

That’s all for now. Thank you.

Best regards,

Zainul Amiruddin Zakaria (PhD.)
Associate Professor

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

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.