Reviewer's report

Title: Antinociceptive effect of ethanolic extract of Selaginella convoluta in mice

Version: 1 Date: 30 January 2012

Reviewer: MOHD ROSLAN Sulaiman

Reviewer's report:

1. Major Compulsory Revisions
   - How was the doses of extract used determined?
   - There is contradictory finding with regard to the flavonoid on the Preliminary phytocemical test and HPLC analysis. Flavonoid was absent in the phytochemical test but present in the HPLC analysis. Please explain this findings??
   - In the discussion:
     o The authors also indicated that the inhibitory effect observed in the abdominal writhing test was due to the present of flavoinoid???
     o The findings of formalin test was not properly discussed. Description was similar to the one that presented in the results section.!!!
     o The authors indicated that the extract did not present any effect on the hot plate test but there was a significant increased in the latency time at 60 & 90min of the test for the doses of 200 & 400 mg/kg.

2. Minor Essential Revisions
   - Abstract: Rephrase the whole paragraph of Results
   - Background: Last 2 Paragraph not relevent to the current study.
   - Name the botanist.
   - Acute toxicity test: What were the signs of toxicity observed?
   - In the formalin test:
     o Were the extract administered 60min before formalin?
     o Describe how was analgesia measured.
   - In the hot plate test: Indicate the time of administration of vehicle, morphine and extract.

Level of interest: An article of limited interest

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