Reviewer's report

**Title:** Effect of selected local medicinal plants on the asexual blood stage of chloroquine resistant Plasmodium falciparum

**Version:** 1  **Date:** 17 June 2014

**Reviewer:** Protus A Arrey Tarkang

**Reviewer's report:**

1. **Major Compulsory Revisions**

   This paper is of interest in the area of malaria phytotherapy, with relevant data obtained. Title and the abstract convey what has been found in this study. However, the reporting of this data is poorly presented and could be greatly ameliorated.

   a) There has been evidence that bio-assay guided fractionation at times yields components which are not quite as active as the parent crude extracts. So how do the findings in this study justify bio-assay guided fractionation of the active plants studied, as mentioned in the abstract (conclusion)?

   b) **RESULTS:** What was the purpose of using different solvents? Mention the solvent extract(s) with the best antiplasmodial activity and compare to the standard drug (If verifiable).

   c) **DISCUSSION:** Poorly written. Results obtained in this study should be discussed and related to previous studies of other solvent extracts and/or isolated compounds from these plants and their in vitro antiplasmodial activities. Since different solvents have preference for different active principles; their relevance in the probable mode of action of the active solvent extracts could be discussed; this could also be a relevant justification for further research build on.

   The limitations of this study could be included and the HRP2 assay method compared to other methods with similar results.

2. **Minor Essential Revisions**

   a) **Legends for Tables and Figures:** Should be reviewed to make them self-descriptive.

   b) Some of the minor questions asked have been included in sticky notes on the reviewed PDF (attached).

**Level of interest:** An article of importance in its field

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

**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