Reviewer’s report

Title: alpha-Glucosidase inhibition, antioxidant and antibacterial activities of two medicinal plants used in Benin as folk medicine

Version: 1 Date: 17 October 2012

Reviewer: Adel Al-Zubairi

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Reviewer: Adel S. Al-Zubairi
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Major compulsory revisions
The work methodology referral should be to the original methods while the discussion section should be re-written consistently
The present findings must be discussed quantitatively and comparatively

Minor essential Revisions

Methods:
1-Determination of total phenolic compounds:
The author referred to Rattanachitthawat et al who has referred to Ferreira et al., 2004, so please refer to the original method and then report your modifications.
2-Total flavonoid content:
The author should refer to the original method (Quettier-Deleu et al., 2000) but not according to Djeridane et al
3- Determination of Condensed tannins content:
The original method should referred
4-Glucosidase inhibitor determination:
The author should refer to Rao et al 2009
All the other methods should be referred properly.

Results:
Figure-1 graph footnotes should be in English

Discussion:
Among glucose-lowering medications, #-glucosidase inhibitors that delay the absorption
The 2nd and 3rd paragraphs are too long and should be separated into two paragraphs each.

In 8th sentence in the 2nd paragraph “This indicates that the extracts are potent \(\alpha\)-glucosidase inhibitors in comparison with the positive control.” is conclusive and should be in the conclusion section.

The second half of the 2nd paragraph is not consistence

-In the 3rd paragraph the sentence “Apart the Antiradical activity of essential oils from P. kotschyi root barks [33], there are not work one antioxidant activity of those two plants.” should be rephrased.

References

Must be in English language

**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