Reviewer's report

**Title:** Quality Assessment and Anti-obesity activity of Stellaria media (Linn.) Vill.

**Version:** 2  **Date:** 5 April 2012

**Reviewer:** Watcho Pierre

**Reviewer's report:**

Major compulsory revisions

Although some corrections have been partially made in the second draft submitted, an important question remained unanswered which is of great scientific value. It concerns the onset of obesity in this paper. As mentioned by the authors at the beginning of the Introduction (see reference 1), obesity could be defined as the excessive accumulation of body fat that may impair health. It is obvious that this increase in body weight can be due genetically or through special diet (high fat diet) resulting in hyperphagia. However findings obtained from the present study still showed some doubtful data.

The authors found that after 2 weeks of HFD, there was an increase in body weight gain without any change in food intake in all experimental groups. Without using genetically obese animals, how could they explain this discrepancy? How can obesity be developed without hyperphagia in such animals?

Discretionary revisions

None

Based on the methodological approach and other above mentioned comments, I found very difficult to give any consideration to this paper.

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

**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.