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SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Pharmaceutical Research
Manuscript Number:	2013_BJPR_4583
Title of the Manuscript:	**The Effect of Leaf Ethanol Extract of Coccinia Grandis Lin in glucose and cholesterol lowering activity**

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
This revised manuscript gives more information than the original. However, to make it more valuable, there are some needed to shape. **1.Please check consistency of writing , for example,** **1.1Abstract : bold font** **Methodology:** The glucose and cholesterol lowering effect of the ethanol extract of *Coccinia grandis* Lin (Cucurbitaceae) leaf was evaluated using the alloxan-induced diabetic rat and compared the activity with control and Glibenclamide. Ethanol extract of **C. grandis** and Glibenclamide were administered to normal and experimental diabetic rats for 10 days **1.2 line 64-67 : italic and normal font** We hypothesized that *C. grandis* will be able to lower blood glucose and total cholesterol level while improve HDL level in the plasma. The extract of C. grandis leave might have a distinct mechanism to provide glucose and cholesterol lowering activity in animal model. We also thought that *C. grandis* will not affect the total body weight. **1.4 Figure 1** **Figure 1.** Effect of *C. Grandis* extracts on the body weight of diabetic rats. Ctrl: Control; Dia_Ctrl: Diabetic Control; Dia_Gli: Diabetic animal treated with Glibenclamide; Dia_CG: Diabetic animal treated with *C. Grandis* extract (25 mg/kg). **1.3 line 85-87** *Test for alkaloids:* Dragendroff's test: 2 ml solution of the extract and 0.2 ml of dilute hydrochloric acid were taken in a test tube. After adding 1 ml of Dragendroff's reagent, orange brown precipitate indicated the presence of alkaloids. Test for cardenolides: The extract is to be dissolved in pryridine and a few drops of 2 per cent sodium nitorprusside **1.4 References, for example, no consistency of writing and ref 14 , 17 are the same.** **Ref 14** Hossain MZ, Shibib BA, Rahman R. Hypoglycemic effects of Coccinia indica: inhibition of key gluconeogenic enzyme, glucose-6-phosphatase. Indian journal of experimental biology. 1992;30(5):418-20. **Ref 17** Hossain MZ, Shibib BA, Rahman, R. Hypoglycemic effects of Coccinia indica:	

inhibition of key gluconeogenic enzyme, glucose-6-phosphatase. Indian J Exp Biol. 1992;30:418-20.

They are the same year, volume , and pages. Please check

1.5 "table" must be "Table". Use a big T.

2.Results
2.1Please give more information for Table 2 legend e.g.
2.1.1 Give number of animal in each groups
2.1.2 When did the parameters in this Table were analyzed ? day 10?
2.1.3 As the authors used group I, II, III, IV, V in the method part, you can use these in Table 2
2.1.4 Please give more information about the p-value, which one is statistically significant with which one?

2.2 For Table 1 , it is not necessary to use
'-' indicates absence
because there is no "-" in this Table.

2.3 Please check line 150-153 for p value
The glucose level of diabetic group was significantly higher than diabetic with *C. grandis* extract group (p = .05). The total cholesterol level was lower in *C. grandis* extract group (p = .05) than diabetic group while HDL level was higher in *C. grandis* extract group (p = .05) than diabetic group.

2.4 For Figure 1 (line 159-161)
Data were represented as the mean ± SEM. Data were analyzed by one way ANOVA followed by Dunnet's multiple comparison. The criterion for statistical significance was $p < 0.05$.
Where did you show the p value in this Figure?

2.5 Line 171-179
The authors discussed about phosphorylase activity but no reference. Please give reference.

2.6 line 192-193
One may think that why the extracts were administered for 10 days to the animal. We thought that 10 days are enough to simulate the diabetes in animal model
The authors must rewrite this because it is not a scientific thinking. Please support this by clearly showing the other work that used approximately 10 days for doing similar experiment.

2.7 Please discuss more, for example , about body weight of the animals. Try to find the reason support from literature.

Note: Anonymous Reviewer