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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**
Type of the Article	**Research paper**

General guideline for Peer Review process is available in this link:
(http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline)

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.

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PART 2: Review Comments

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Compulsory REVISION comments	**1.Abstract part: the authors wrote "These results suggest that the aqueous leaf extract of C. grandis possesses significant glucose and cholesterol lowering activity in animal models".** **What solvent used in this experiment, ethanol or aqueous?** **2.Introduction part** **This must be rewritten. This part should be concise with necessary information involved with this study.** **3.Materials and Methods part:** **Preparation of extract** **"The extract was prepared at the rate of 1g/5ml of solvent …."** **Please give the name and grade of solvent used.** **Phytochemical screening** **"tannins with 5%"** **Please add more information e.g. 5% of what.** **It is better write the details of phytochemical screening because this part is too short.** **Test animals** **The authors have already written ethical approval before reference part. Thus, it is not necessary to**	

	write about animal ethic in this part. **Induction of diabetes and treatment** 1. **1.How many rat in each group? Male or female rats?** 2. **The authors gave 2 ml of the extract o the rats. This is a weak point in this study because the authors did not express the concentration of the extract.** **Please give the phenolic content in this "2 ml extract". You can determined spectrophotometrically by using the Folin-Ciocalteau reagent.** 3. **Please give references that alloxan monohydrate can induce diabetes in rat after 48 hours of administration.** 4. **Give the reason why the authors choose "10 days" period for giving the extract to rats. (may be write this reason in discussion part).** 5. **Please write the methods for determining glucose and cholesterol levels.** **4.Results and discussion** 1. **What is cardenolides (in Table 1) ? The authors did not mention this substance before. Please give information about this substance at the end of the Table. What phytochemical group does it belong to?**	

	2. There is a redundancy (Table 2 and the sentences in a paragraph above Table 2). It is better to show data in Table 2. **3. What day the authors measured all the parameters in Table 2, day 0 or day 10?** **4. There are 5 groups of rats but the authors reported data for 4 groups. Please show data of group V (normal rats + 2 ml extract).** **5. In Table 2, diabetic glibenclamide (1ml) column. Please make clear about 1 ml because the authors wrote in Methods part that "**Group III consists of alloxan- induced rats receiving Glibenclamide 114 (synthetic antidiabetic drug) at 0.5 mg/kg body weight once a day orally for 10 days**."** **6. The statistical analysis in Table 2 is not clear. Please compare between group.** **It is better state , for example, that glucose level of group 1 was significantly lower than group 2 (p = ...) , or glucose level of diabetic group was significantly higher than diabetic with plant extract group (p = ...).** **7. Please label Y-axis of Figure 1.** **8. The authors must do more literature review for writing discussion.** **Group III consists of alloxan- induced rats receiving Glibenclamide 114**	

	(synthetic antidiabetic drug) at 0.5 mg/kg body weight once a day orally for 10 days. **5.References part** **Please check format of reference. There are many mistake.** **6.English writing** **This need to be proved by those who are keen in English writing. There are many things that must be improved including gramma, spelling (e.g. HDl must be HDL)** **Title of this manuscript must be checked (gramma, preposition).**	
Minor REVISION comments		
Optional/General comments	Yes. The authors stated that this experimental protocol was approved by Instuturional Ethics Committee (NSU/DP/12/11)	

Note: Anonymous Reviewer