



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_26069
Title of the Manuscript:	Comparative Investigation of the Effects of the Commonly-consumed Aqueous Extracts of Hibiscus sabdariffa (Zobo Drinks) on Body Weight, Glucose Level and Lipid Profile using Normal Wistar Albino Rats
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: 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	Congratulation for conducting such an interesting study. There are several points of concern regarding the study methods and results presentation and conclusion: 1. Line 60: Write the brand/manufacturer of the chemicals such as Sigma etc. Ideally authots have to mention brand for every chemicals used. 2. Line 69-80 (Samples and preparation): Did authors determine dry weight of the unblended zobo, zobo cola and other zobo commercial drinks? This is very crucial as authors need to know this before authors are able to feed the rats with 200 mg/kg body weight with extracts or drinks. 3. Line 69-80 (Samples and preparation): Please write what are ZAP1, ZAP2 and ZAP 3 in this section. Is it possible to report all ingredients in all zola cola, ZAP1, ZAP2 and ZAP 3 especially the % of HS? 4. Line 90: National Institute of Health of what? 5. Line 91-98: Control rats still need to be fed oral intubation. What did authors fed to this control rats through oral intubation? 6. Line 110: Name the manufacturer of the glucometer. 7. Line 114: Randox is a chemical company. Name the name of the kit. 8. Line 147: samples either with or without flavour wont effect the appetite as samples were fed by oral intubation. 9. Line 148: Authors have no data to suggest that there will be a better anti-obesity effect if zobo drinks concentration is increased. 10. Tables of results: Delete A-F. Use only Control, ZSTD...ZCOLA 11. Lines 154-160: Write in one sentence separate by comas and semicolons. 12. Table 1: Authors may omit % weight gain/lost column as this information in Table 2 is enough. 13. Line 178-180: Write all these in one line. 14. Lines 202-203: Delete -c in HDL-c, LDL-c and VLDL-c. 15. Lines 208-210: delete this sentence as this is NOT a statement of conclusion.	1. Noted and done 2. The HS extracts were actually dried for calculating the concentrations. Prior to blending with additives, the samples were collected and evaporated to dryness to find the actual concentration in a particular volume (500 ml was used in this case). For example; Initial weight of ZSTD = 378.52 g Final weight = 387.84 g Conc. in g/500 ml = 9.31 Conc. in mg/ml = 18.62. The volume equivalent to 200 mg per kg body weight in ml was then deduced (10.7 ml). Furthermore, the concentration as it concerns the average group's weight was finally calculated (1.8 ml) i.e 1.8 ml $\equiv$ 200 mg/kg. 3. ZAP1, ZAP2 and ZCHO were used to designate the samples collected based on the locations



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	16. Lines 221-222: Any recommendation arises from study should be discussed under discussion NOT in conclusion. 17. Line 220: There is no information that zobo drink is nutritive. This statement is acceptable if authors add nutritive value of HS in the Introduction section. 18. Line 219: Should not recommend drinking more zobo as there is no study yet on the safety dose and toxicity level of HS.	they were collected from. 4. National Institutes of Health of the United States. 5. Group A (control group) was fed only water and rat feed. Groups B – F were fed the different samples via oral intubation. 6. Done 7. Done 8. Noted and expunged 9. Noted. “may” should be appropriate. 10 – 15. Done 16 – 18: Revised
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		