



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_15281
Title of the Manuscript:	SERUM BIOCHEMICAL COMPOSITION OF LAYING JAPANESE QUAILS (COTURNIX COTURNIX JAPONICA) FED DIETS CONTAINING FERMENTED TARO COCOYAM (COLOCASIA ESCULENTA VAR. ESCULENTA) MEAL
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.

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(<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	The study aimed to evaluate the serum biochemical parameters of laying quails fed diets with inclusion of different levels of fermented component (taro cocoyam). Although the taro cocoyam is not a widely used feedstuff and it has local importance only in tropical area, the study is interesting. The experimental design was correct as well as the discussion of the results are acceptable. There quite some spelling errors that should be corrected (potassium is K and not k, L13: bilirubin, L44: dietary treatments (I-V), g instead of gr, °C instead of °c, 10% instead of 1, L80: established, Scholtz instead of scholtz). Some English revision would also be useful. Abstract: Start with the aim of the study and end with conclusion. (eg: maize can be replaced totally by fermented taro cocoyam meal without adverse effect on most serum biochemical parameters of laying Japanese quails). Introduction: I miss the link between the introduction and the aim of the study. Please, explain briefly why the serum biochemical parameters should be monitored if fermented compounds are used. Material and methods: L45: 36 hens and 9 cockerels each – am I right that 9 males were used? Specify the chemical analysis carried out, like: approximate analysis, energy content. How the ME was analysed? See Table 1. What was the statistical method? Results and discussion:	



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	Please, make a short discussion on the possible mode of action of fermented taro cocoyam on serum AST and total bilirubin level. Indicate the variance of the data like se, sd, SEM, or RMSE in table 2. References: please, rewrite it according to the Journal's requirements.	
<u>Minor</u> REVISION comments	L24... has the potential to increase/enhance the very low animal protein consumption... Sentence in L27-31 is too long, divide it. The first sentence should be about the efficiency (resistance against diseases, short generation interval, etc.), the second sentence is about the consumer aspects (high biological value, low caloric value, reduced incidence for hypertension). L37: against this background – sounds strange, please, reword it. L47: make correction: 0l, 25l, 50l, 75l, 100l L68: unit of centrifugation L75: unit of ME? Correct HCO_3^- throughout. L102: Kesimatis	
<u>Optional/General</u> comments	The most critical point of the paper is the lack of statistics. I do hope that although it has not been presented, but was done. Anyway, it has to be mentioned in section material and methods and the results of statistical analysis have to be indicated in Table 2. I suggest to change a bit the title of the paper: Serum biochemical parameters of laying Japanese quails...	

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