



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#"><u>American Journal of Experimental Agriculture</u></a>                                                                                                        |
| 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.

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

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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)            |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <p>This is a simple study on serum parameters of laying Japanese quails. The study has shortcomings as follows:</p> <ul style="list-style-type: none"> <li>• Introduction is too short and does not give a survey on results of previous experiments with this root crop.</li> <li>• Dimension of each tier was 0.75 m<sup>2</sup> x 0.38 m<sup>2</sup> ? Or 0.75m x 0.38m?</li> <li>• L. 58: Floor space of 70 to 90 cm<sup>2</sup> per quail was very small. Check it.</li> <li>• L. 47: What is 0l, 25l, 50l ... 100l?</li> <li>• L. 52: What is 10%?</li> <li>• L. 69: "Serum biochemistry indices were carried out using standard clinical chemistry procedures." Be more specific.</li> <li>• Table 1: Change title to "Percentage composition of ..." The first line is not clear. Change Kcal/kg to MJ/kg. Also Kal/kg (L. 75). L. 85: "Rapid deterioration of minerals in feed due to oxidative reaction in a very warm</li> <li>• climate"? This is a speculation only. Offer a better</li> </ul> | <p>Introduction has been reviewed</p> <p>0.75 x 0.38m</p> <p>70 x 90cm</p> <p>0%, 25% ,50%..... .100%</p> <p>10%</p> <p>Noted.</p> <p>Noted<br/>Noted</p> <p>Corrected.</p> <p>Noted</p> |



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|                                  | <p>explanation.</p> <ul style="list-style-type: none"> <li>• Change <math>H_{CO_3}</math> and <math>H_{CO_3}^-</math> to <math>HCO_3^-</math> throughout the MS.</li> <li>• Change <math>k^+</math> to <math>K^+</math> throughout the study.</li> <li>• Names of authors should be written with capital initial letters (L. 113, 119, 163). Also names of journals (L. 141).</li> <li>• Names of some journals were italicized, but not names of other journals. Be consistent.</li> <li>• Table 2: AST unit in <math>\mu\text{mol}</math>? Not possible, AST is a protein with enzymic activity.</li> <li>• Harunna (L. 31) or Haruna (L. 142)?</li> </ul> <p><i>Other comments:</i></p> <ul style="list-style-type: none"> <li>• The authors found abnormal values of serum <math>K^+</math> and <math>Na^+</math>. Did you assay <math>K^+</math> and <math>Na^+</math> in the diet?</li> </ul> <p>Why the time of fermentation was 48 h? Was this time sufficient to destroy antinutrients in the crop? Would it be possible to avoid the fermentation? A negative control (non-fermented crop) was not used in this study.</p> | <p>Noted.</p> <p>Noted.</p> <p>(IU/L)</p> <p>Noted.</p> <p>It's Haruna but deleted from reviewed introduction.</p> <p>No, the <math>K^+</math> and <math>Na^{2+}</math> values were compared with the normal reference value<br/>By Scholtz et al (2009)</p> <p>According to Obi et al (2010) this time frame was enough to reduce the anti - nutrients ,fiber and increase the protein value of cocoyam. A negative control was not used because Agwunobi et-al (2008) fed sun-dried taro cocoyam meal to weaned pigs and observed a depressed growth beyond 50% probably due to high tannins.</p> |
| <b>Minor</b> REVISION comments   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Optional/General</b> comments |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |