



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	Ms_AJEA_22378
Title of the Manuscript:	The Potential of Jack bean (<i>Canavalia ensiformis</i>) as a Replacement for Soybean (<i>Glycine max</i>) in Broiler Starter and Finisher Diets
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)
<u>Compulsory</u> REVISION comments	The article has great relevance for addressing on alternative foods. We know that the competition for conventional grains such as corn and soybeans is increasing. However, I would like to get explain on the amount of repetitions that was used by the author (line 79). In addition, the inference that the author has on reducing the consumption based on palatability not applicable to poultry because this species does not possess significant amount of taste buds. (Line 149). I believe that to enrich the work, the author should better discuss the data. The data comparison is not the same thing to discuss.	The issues raised have been addressed and explanation given where required. -In the experiment there were five dietary treatments with two replications in a completely randomised design. -It is a fact that broilers and layers have an acute sense of taste, they possess the ability to distinguish between sweet, salty, sour and bitter tasting substances (Boushy and van der Poel, 1994). Birds have an interesting sense of taste. They have taste buds like other animals, and their general structure is essentially the same as that in other vertebrates (Kare, 1970). Gustatory impulses (the sense of taste) arouse sensations of taste, they form a part of the perceptive processes of a bird, thereby determining palatability of any feedstuff (Boushy and van der Poel, 1994). Kudo et al. 2010 reported that the perception of bitter taste may be useful in selecting appropriate feeds for chickens. Thus, palatability of feedstuff has effect on feed intake of chickens and this has to be put into consideration in feed formulation.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		