



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2015_AJEA_17417
Title of the Manuscript:	Performance of West African Dwarf (WAD) Goats Fed Pleurotus tuber-regium biodegraded Cassava (manihot esculenta) peels based 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)
Compulsory REVISION comments	Title: Delete "(WAD)" Change '<i>manihot esculenta</i>' to '<i>Manihot esculenta</i>' 7: aged Define all treatments in the abstract (T1, T2, T3, T4 and T5) 17-18: Delete 'from the benefit cost analysis 19: Delete 'of less than 1' 34-35: change 'suggest decrease level of CF content increases palatability' to 'suggest that decreased level of fibre content increases palatability' 42: Please insert a line to improve the flow. This leads to incomplete utilization of lignocellulosics by ruminants as lignin impedes microbial enzymatic attack in the rumen, thereby leading to lowered organic matter digestibility (Mahesh and Mohini 2013, Biological treatment of crop residues for ruminant feeding: a review. Afr. J. Biotechnol.) 48: Add a latest reference after this sentence. 'rotting basidiomycetous fungi are the most efficient lignin degraders in nature'. Above said	Line 2-3 Title: "WAD" deleted <i>Manihot esculenta</i>-corrected Line 7: aged Defined Line 17-18: Deleted- from the benefit cost analysis Line 19: deleted - less than 1 Changed Line inserted in line: 42 Inserted: Rotting basidiomycetous fungi are the most efficient lignin degraders in nature (Shah and Nerud,



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	reference may be included. 57: increased inclusion of such into livestock feeding should be "increased inclusion of such feeds into ruminant ration" 60: change "The objective of this study is determine Growth" to "The objective of this study was to determine growth" 62: change "cost benefit" to "economic benefit" 72: change 'Treatment of Cassava Peel' to 'Treatment of Cassava Peels' 74: change 'as describe by' to 'as described by' 75: <i>Pleurotus</i> What was the source of fungus? How the pure culture was maintained? Moisture, temperature and relative humidity, oxygen concentration, particle size of Cassava peels etc. Was it solid-state fermentation? Please include such details. 89: Table 1. Composition of treatment diets Ingredients should be completely written like Soybean meal and not SBM. 100: completely randomized design format. Delete the word 'format'	2002) Inserted in line 61: increased inclusion of such feeds into ruminant ration Line 64 changed: was to Line 66 changed: economic benefit Line 76 changed: Treatment of Cassava Peels Line 78 changed to: as described by Corrected details inserted in line: 79-81 Corrected line 99: BDG, Dried brewers grain; SBM, Soya bean meal; PKC, Palm kernel cake Deleted : format-line 105
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	How did you estimate ME value of diets? Provide the formula to calculate FCR in your study. 106: change 'animals to get accustomed the diets' to animals to get accustomed to the diets 120: change 'treatments diet' to 'treatment diets' and replace 'better' by 'higher' 122: change 'respectively are' to 'respectively was' 124: change 'Fibre fraction components' to 'fibre fractions' 127: change 'Similar decrease trend' to 'Similar decreased trend' 131: 'Pleurotus' should be '<i>Pleurotus</i>' 133: change 'no significant ($P>0.05$) differences was observed for ME values to 'which were non-significant' Chemical composition of treated and untreated Cassava peels needs to be mentioned in Table 1. 168: change 'Wad Bucks' to 'WAD Bucks' 173: change 'cost per kg feed were significant' to 'cost per kg feed was significant'	ME (Menke and Steingass, 1988) Provided in line:117 Line110-111 changed to - to animals to get accustomed to the diets Line 125: treatment diets Line125: higher Line127: respectively was Line 129: fibre fractions Line 132: Similar decreased trend Line 136: <i>Pleurotus</i> Line 138: which were non-significant Mentioned in line124 Changed: WAD bucks in line 174 Changed to : cost per kg feed was
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	173-174: Delete. T1, 46.25N; T2, 174 50.66N; T3, 45.50N; T4, 46.83N and T5, 47.17N. 177: Table 2: change 'No. Of bucks' to No. of bucks' 201: Crude protein 203: which had higher CP (9.83%) relative to UCPS (3.33%) from which T1 was compounded. Provide the reference or present these data in Table 1 206-207: 8% CP is not for optimum production. This is the minimum CP required to maintain rumen function. Change the sentence accordingly. 209-211: The lower EE values....(2011). This is contradictory. Please rewrite these lines with suitable scientific support. 232: change 'no significance (P>0.05)' to 'no significant differences 233: Please delete these 'results'. 'The ME values recorded are 7.90, 7.14, 6.96, 6.52 and 5.87 MJ/kgDM respectively' 240: Please delete. 'elements, compounds' 260: Update the latest references to the list after 2012 265: change 'it's poor crude protein and fibre' to 'it's poor in crude protein and fibre'	significant - in line 179 Line deleted: 179-180 Line 181: Changed to No. of bucks Line 205: Crude protein Line 207: Corrected to UCPS (21.72%) Sentence changed: line 211 and 220-221 Deleted Deleted Line 263: changed to: it's poor in crude protein and fibre
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	269: remove 'the' from 'the highest' 270: change 'showed significance' to 'showed significant difference' 277: change 'different from T1's 0.91' to 'different from T1 (0.91)' 282: delete '(T2)' 284: change 'the least as 0.91 BCR for 100% UCPS diet (T1)' to 'the least BCR of 0.91 for 100% UCPS diet' 281-287: Delete Rewrite them as: It was concluded that incorporation of 100% of cassava peels (45% of the diet) biodegraded by <i>Pleurotus tuber-regium</i> for 21 days had potential economic gain in growing West African Dwarf goats.	Remove 'the' in line 267 Line 268: Changed to : showed significant difference Line 275: different from T1 (0.91) T2 deleted Line changed to: the least BCR of 0.91 for 100% UCPS diet Done
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Minor REVISION comments	Punctuation and spacing needs careful attention throughout text, starting from abstract until references. Eg: 15 kg rather than 15kg Ethical issues: Ethical clearance for <i>in vivo</i> study should be mentioned in Materials and Methods section.	Done The board of the College approved the animal management methodology in the section (Materials and Methods) of this study.
Optional/General comments		