



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_12412
Title of the Manuscript:	The Prospects of Brown Cane Sugar–Cattle Integration for Rural Economic Development in South Sulawesi, Indonesia
Type of the 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	The topic is of great importance and points to several positive results from the integration of crops and cattle. Moreover the text has a direct application to public policy and therefore should address the negative aspects of the production of cane sugar isolated and integrated with cattle. Currently the concept of the "One Health" has been applied by several authors, in this sense the planting of cane sugar may not be as beneficial. I believe the negative aspects can be addressed by the authors. I can cite a few examples: The burning of sugar cane before or after harvest losses back to the ground, destroying the microfauna and deteriorating soil fertility year after year. Another example is the problem that occurs in Brazil in relation to fly <i>Stomoxys calcitrans</i>, which develops in the areas of planting cane sugar. This fly feeds on cattle blood, transmit diseases to livestock and reduces milk production by up to 60%. Thus, cultures may end up bringing other types of problems. We know that the production in another country is quite different and these problems can not be	The suggestion has been response with the following statement (with green color mark in the article): Problems faced by farmers is the provision of additional feed for a minimum of 20 percent hijau and additional manpower for bagasse fermentation. Recommendations Directorate of Feed, Ministry of Agriculture is the use of sugarcane shoots and leaves should not exceed 8 per cent of the live weight of cattle and a high content of lignin must be fermented bagasse (Andajani, 2011). Another problem also occurs because the BCS-cattle production integration still needs investment to build processing and sugar cane plantations where its value is relatively large for most farmers, not only in South Sulawesi, but also in Indonesia in general. This concept is difficult to develop quickly if there is no serious support from the government.



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	achieved in Indonesia. On the other hand the negative points, or potential problems, of the integration can also be discussed so that governments have all allowance for decision making. The title of the manuscript own adherence to the text, as well as the objectives and the methodology are well written and are of good quality. However I would encourage the authors to include possible problems resulting from this integration, if not in this publication in another published in the same journal. I do Recommend publication and encouragement to authors to write a bit about the possible problems that may arise as a result of this new activity. Comments receipt form email.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		