



SDI Review Form 1.6

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_34747
Title of the Manuscript:	Enzyme Hydrolysis of Hydrogen Peroxide Pretreated Lignocellulosic Content of Rice Husks Prior to Bioethanol Formation
Type of the Article	Short 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	• Procedure is not clear. Particle size of ground rice husk is not given. Experimental conditions used for pre-treatment (temperature etc.) not given. • The glucose yield is important for the pretreatment performance assessment, inhibitors generation is the other important key index. But it is not mentioned in this study. • How percentage saccharification was calculated is not presented • Most importantly, the statement of current knowledge (that should be in the introduction section) and new findings by this study are often mixed.	• Thank you for taking out time to thoroughly go through the manuscript. We are grateful and deeply appreciate your contributions. • We completely agree that knowing the particle size of the ground rice husk would help in making the procedure clearer, we were however unable to measure the actual particle size as the equipment to do so was unavailable. Rice husks were blended to reduce particle size. We hope that inability to measure particle size of ground rice husks will not prevent publication of manuscript as works by simone <i>et al.</i>, 2012; Alrumman, 2016 among others were described without stating particle size of biomass • Pretreatment was carried out at room temperature which is included in the corrected manuscript (line 70-71). Other experimental conditions include varying concentrations of hydrogen peroxide and varying time which are also stated in the procedure. • We agree that inhibitor generation is a key index which we were unable to measure in this experiment. However, we will endeavour to include that in a future publication from results of research which we are currently carrying out in our labs. • Percentage saccharification was calculated



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		using the formula shown in corrected copy of manuscript Mendels and Sternberg, (1976) as written by Alrumman (2016). (line 83-85) •
<u>Minor</u> REVISION comments	• The detailed operation conditions should be added in the "Figure Captions". • Needs to improve the language, attention must be paid to spellings as well.	• Operating condition has been included in the captions. • Thanks once again for your contributions. We greatly appreciate the effort put in to read through the manuscript and the suggestions made.
<u>Optional/General</u> comments		