

Review Form 1.7

Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_106474
Title of the Manuscript:	Present Practices and Constraints of Juice and Gur Production from Date Palm Trees in Bangladesh
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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Review Form 1.7

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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>General Comments</p> <p>From my point of view, it is a very interesting topic and simultaneously it seems that to the best of my knowledge is an important study aim to determine the present status of date palm juice and <i>gur</i>, to assess the socioeconomic characteristics of respondents involved in date palm juice and <i>gur</i> production and to explore the production based constraints of date palm <i>gur</i>. The study has conducted in 4 upazilas (sub district) namely Bagha, Lalpur, Khjjuria and Dumuria under 4 districts Rajshahi, Natore, Jessore and Khulna in Bangladesh during November 2020 to March 2021. Rajshahi had a maximum area covered by date palm trees (12.02 ha), the highest number of trees (1129) and the highest amount of produced <i>gur</i> (14454 kg) compared to other districts. The greatest percentage of farmers were old age (43.3%) and having high annual income (42.3%). All the farmers were used seed as propagating material. In case of constraints, 'Decrease of number of <i>gachi</i>' ranked 1st followed by 'Adulteration of <i>gur</i>' 2nd and 'decrease of number of date palm trees' as 3rd.</p> <p>The paper consists of the sections: Introduction, Methodology, Results and Discussion and Conclusion.</p> <p>However, I find some recommendations:</p> <ol style="list-style-type: none"> 1. The abstract must contains the main purpose of the paper, the research method used in the research and the main contributions. 2. It would be very useful to add in the "Introduction" section the purpose, objectives and hypothesis of the research. 3. The Literature Review section cannot be missing from the paper. 4. We consider that the introduction should specify the novelty of the paper compared to other papers published in this area. 5. I consider an econometric model will increase the quality of the paper. 6. The research is well based on science and the results are in agreement with the theoretical part. From my point of view, the paper is original and the topic addressed brings added value to the specialized literature regarding regional sector. The paper is well written and easy to read. 7. The research is well based on science and the results are in agreement with the theoretical part. The model applied to the analyzed data is correctly used in the analysis undertaken, it is a strength point of this paper. 8. It is very important for the authors to analyze the descriptive analysis (with Kurtosis test, Jarque Berra test and interpretation, Skewness and Kurtosis interpretation). In the same time the correlation analysis and the VIF test are very important in this research. 9. Obviously, the application of a model must take into account the tests of heteroskedasticity, endogeneity, the Hausman test, etc. These aspects do not emerge from the method and results. In the same time at the Materials and Method section the authors have to apply an econometric method like regression or panel with fixed effect estimation or the random effect estimation (see for instance, Baltagi (2008), Hsiao (2014) and Andre B et al. (2015)). Besides, the corresponding tests to determine which is the best method of estimation is 	

Review Form 1.7

	<p>needed (see the Hausman test, the Breusch and Pagan (1980)´s Lagrange multiplier, the F test for fixed effects to test whether all unobservable individual effects are zero).</p> <p>10. The authors talk about the relationship between these variables, however they do not support the empirical evidence providing panel cointegration tests that are crucial (see for instance Kao (1999) panel data cointegration test, the Pedroni (1999, 2004) panel data cointegration test or the Westerlund (2005) panel data cointegration test, among others).</p> <p>11. In the same time, I consider the literature review section cannot missing from the paper and that is why we consider that the literature is not enough and that is why, we recommend the authors to refer to other recent works indexed in Web of Science, Scopus, Emerald, Cambrige, and of course MDPI Journals. We suggest that the authors cite papers published in MDPI journals and Web of Science Journals, such as:</p> <ol style="list-style-type: none"> 1. Batrancea I., Batrancea L., Nichita A., Gaban L., Masca E., Fatacean G., Moscviciov A. (2019). „An Econometric Approach on Production, Costs and Profit in Romanian Coal Mining Enterprises”. <i>Economic Research-Ekonomska Istraživanja</i> 32(1), 1019–1063; DOI: 10.1080/1331677X.2019.1595080 2. Batrancea L., Batrancea I., Moscviciov A. (2009), The Roots of the World Financial Crisis, <i>Annals of Faculty of Economics</i>, 3(1):57-62. 3. Moscviciov, A., Bătrâncea, I., Bătrâncea, M., Bătrâncea, L.M. (2010) Financial Ratio Analysis Used In the It Enterprises, <i>Annals of the University of Oradea: Economic Science</i>, 19(2):600-603. <p>7. Another important cause that must be mentioned in the paper is the link between GDP, fiscal compliance and shadow economy, as the independent variables fiscal compliance and shadow economy strongly influence GDP. In this sense, I recommend the authors to quote the paper:</p> <ol style="list-style-type: none"> 4. Batrancea L., Nichita A., Batrancea I., Gaban L. (2018). „The Strenght of the Relationship Between Shadow Economy and Corruption: Evidence from a Worldwide Country-Sample”. <i>Social Indicators Research</i> 138(3), 1119-1143; DOI: 10.1007/s11205-017-1696-z <p>We recommend the authors to number the paragraphs: 1. Introduction; 2.Literature review; 3. Methods and Results, Discussions and Conclusions. In conclusion, the article should be thoroughly rebuilt (changes in structure recommended above). It should also be enhanced with a review of the literature adequate to the subject and a broader interpretation and commentary of the research results.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>The Manuscript needs careful English proofreading because there are some shortcomings. For instance, the article “the” is sometimes missing in front of nouns, the message in some paragraphs is not clear enough.</p>	

PART 2:

	<p>Reviewer’s comment</p>	<p>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)</p>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Review Form 1.7

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