

Review Form 1.7

Journal Name:	Asian Journal of Medical Principles and Clinical Practice
Manuscript Number:	Ms_AJMPCP_110991
Title of the Manuscript:	Identification of Probiotic Lactic acid bacteria from Palm wine and their in-vivo evaluation on Diabetic patient using wistar rat
Type of the Article	Original Research Article

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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes Comparing these findings with existing literature on probiotics, diabetes management, and microbial impacts on health would help contextualize the study's significance.</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>A large sample size and more diverse pool of isolates might have strengthen the findings</p>	<p>Yes The assessment of palm wine for its composition of Lactic acid bacteria and their therapeutic implication on Diabetic management.</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes. However additional references have been added.</p> <p>The isolates obtained were consisting of many fungi (yeast) and few probiotic lactic acid bacteria. However, the research work focused on only probiotic lactic acid bacteria by inoculating the palm wine on a selective medium such MRS agar, which support only the growth of probiotic lactic acid bacteria. Also there might be other bacteria been harboured in the palm wine which did not grow because of the medium used for the research work. All the plates harbouring fungi was not used for any experimental selection as probiotic. A single isolate was not selected, it was based on what was isolated and identified.</p>
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	<p>Yes</p>
<p>Optional/General comments</p>	<p>The bacteria Weissella confuse were found beneficial for diabetic patient. It is difficult to prove this statement, without knowing the mechanism how they align with known probiotics.</p>	<p>Palm wine are known to contain short chain fatty acid (SCFA) synthesized by <i>Weissella confusa</i>. The short chain fatty acid stimulates the endocrine cells in the colon mucosa to secrete two biochemical namely glucagon-like peptide (GLP-1) and peptide YY gastrin regulator. Both of this causes delay in the emptying of the gastrointestinal content. Once there is a delay in the emptying of the gastrointestinal content, the hypothalamus in the central nervous system is stimulated to increase the sense of satiety and appetite (Tao <i>et al.</i>, 2020). The lactic acid produced by the bacteria also prevents the destruction of beta-cell of the pancreas (Yan <i>et al.</i>, 2020).</p>

[Review Form 1.7](#)

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	No, I didn't experience any ethical issues in the manuscript.