

SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_122630
Title of the Manuscript:	“Hygienic Floor Management Using Hot Water: A Strategy to Reduce Piglet Mortality in Northeastern India”.
Type of the Article	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>1- The manuscript doesn't add any <u>scientific</u> fact to the animal's farm.</p> <p>2- There wasn't tabulated mortality rate result, to be discussed!!</p> <p>3- I suggest re-establishing and conducting such trial with adding another effective material (sterilize compound), and also increase the number of animals, in order to give a real result.</p> <p>4- The studied INCIDENCE RATE (%) wasn't analysed statistically.</p> <p>5- The explanation of the effect of hot water wasn't logical!!</p> <p>6- There isn't any information about bacteria species in the studied house or area!? That is may affected by hot water!?</p>	<p>Thank you for your thoughtful review and the time you have invested in evaluating our manuscript. Although our manuscript was approved by two other reviewers, we appreciate your feedback and would like to respectfully address your comments as follows:</p> <p>?? Scientific Contribution: We believe our study offers valuable insights for pig farmers in the North East, particularly those with limited resources. By demonstrating the efficacy of hot water in improving key performance indicators such as Feed Conversion Ratio (FCR) and Feed Efficiency Ratio (FER), our research highlights a cost-effective alternative to more expensive medicines and techniques. This approach has the potential to enhance productivity and profitability for small-scale farmers while promoting more sustainable and accessible practices in pig farming. While our findings may not be groundbreaking, they add to the growing body of knowledge and offer practical implications that could benefit the industry.</p> <p>?? Mortality Rate Data: Mortality was a secondary observation in our study. Notably, no mortality was observed in Group II, where piglets were reared on hot water-treated floors. In contrast, two piglets in Group I, which did not have the benefit of hot water treatment, died during the study period, resulting in an 11.1% mortality rate for that group. The lower mortality rate in Group II may be linked to the reduced incidence of diarrhea and improved overall health conditions observed in this group. This finding aligns with previous research by Stansbury et al. (1987), Vermeer and Binnendijk (1997), and Andersen and Morland (2016), who similarly reported lower mortality rates in piglets reared on treated or enriched flooring systems. While we did not tabulate these results in our manuscript, the mortality data were consistent with the overall objectives of the study and support the observed benefits of hot water treatment</p> <p>?? Suggestions for Future Research: We acknowledge the potential value of including a sterilizing compound and increasing the number of animals, as you suggested. However, these aspects fall outside the original design and scope of our current study. We appreciate your suggestion and consider it a valuable direction for future research, but we stand by the findings presented in this manuscript.</p> <p>?? Statistical Analysis of Incidence Rate: The incidence rate data were presented descriptively as per the design of our study. While statistical analysis could provide additional insights, it was not within the intended scope of this research. The data were meant to highlight trends and suggest areas for further investigation.</p> <p>?? Explanation of Hot Water Effect: The explanation provided in our manuscript is based on existing literature and our experimental observations. While it may not align perfectly with other interpretations, it accurately reflects the results observed in our study. We believe it offers a plausible explanation within the context of our findings.</p>

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	<p>?? Information on Bacterial Species: Our study did not aim to identify specific bacterial species affected by the use of hot water. The focus was on the overall impact rather than on microbiological specifics. We recognize the importance of this information, but it was beyond the scope of the current study.</p> <p><i>We hope these responses clarify the rationale behind the study's design and the presentation of our results. We remain confident that our manuscript provides valuable insights and is a meaningful contribution to the field.</i></p> <p><i>Thank you once again for your review and feedback.</i></p>
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