**Original Manuscript ID:** SNA-D-24-01745

**Article Title:** Lead-Free BCZT-PDMS Piezoelectric Energy Harvester

Dear reviewer,

Thank you for reviewing our manuscript for publication consideration in International Journal of Nanoelectronics and Materials. We are uploading:

1. Our point-by-point response to the reviewer's comments (Please see the attachment).
2. An updated MS Word manuscript with Blue Font indicates changes (Please see the attachment).

This manuscript has been sent to an English professional editor to improve the quality and language of the manuscript. We want to thank you for your thoughtful comments and efforts toward improving our manuscript.

We confirm that this manuscript has not been published elsewhere and is not being considered by any other journal. All authors have approved the manuscript and agree with its publication in International Journal of Nanoelectronics and Materials. Please do not hesitate to contact us if you have any further inquiries.

Thank you

Best regards,

Dr Norhafizah Burham

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Response to Reviewer #1

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| --- | --- | --- | --- |
| No | Reviewer's Comments | Response | Page |
| 1 | Figure 8: Voltage output using solenoid tapping" to "Figure 9: Voltage output using solenoid tapping" | Thank you for the comment.  The figure reference has been corrected from **Figure 8** to **Figure 9** in the revised manuscript. | Page 7 (Figure 9) |

Response to Reviewer #2

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| No | Reviewer's Comments | Response | Page |
| 1 | There are a lot of repeated awkward phrasing like “grind 5 times” instead of “ground five times” | Thank you for the comment.  The phrasing has been revised throughout the manuscript to reflect proper grammatical usage, such as changing “grind 5 times” to “ground five times,” and similar corrections have been made where necessary. | * page 1, 2, and 5 |
| 2 | Compare SEM results with previous studies/literature | Thank you for the comment.  The comparison has been provided in the Table 1 and 2 | * Results and discussion: (page 5 table 1&2) |
| 3 | Need proper citing of brands/manufacturing of chemicals/ equipment. Please include the country of manufacture (and year) as well, whenever necessary. | Thank you for the comment.  The citation has been added to the material as requested | * Method and material (page 2, line 21 and line 39) |
| 4 | Section 3.2: “The voltage-time graph of the BCZT-PDMS thin film demonstrates periodic voltage spike when the nanogenerator is applies the mechanical excitation to the..” Please remove the word is. | Thank you for the comment.  The word “is” has been removed from the sentences | * Page 6 (section 3.2, line 6) |