

**Review Form 1.7**

Journal Name:	<b>Journal of Engineering Research and Reports</b>
Manuscript Number:	<b>Ms_JERR_111834</b>
Title of the Manuscript:	<b>An Acquisition Embedded System for Electrical Measurement Monitoring</b>
Type of the Article	

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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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><b><u>Compulsory</u></b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b></p> <p>2. <b>Is the title of the article suitable?</b></p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>The manuscript is deemed important for the scientific community as it addresses the timely issue of energy efficiency in the context of increasing electricity demand. The study's focus on developing an integrated acquisition embedded system for monitoring electrical measurements offers valuable insights and promising results. The inclusion of troubleshooting features and the use of open communication protocols contribute to the manuscript's significance. Overall, the research is relevant for researchers, practitioners, and policymakers working towards improving energy efficiency and conservation practices.</p> <p>The title of the article, "An Embedded Acquisition System for Electrical Measurement Monitoring," is suitable as it accurately reflects the main focus of the study. However, if you're looking for a more concise alternative, you might consider: "Integrated System for Accurate Electrical Measurement Monitoring"</p> <p>Yes, the abstract of the article is comprehensive. It provides a clear and concise overview of the study's objectives, methodology, results, and conclusions.</p> <p>The manuscript structure, with its subsections, is appropriate, providing a logical organization covering introduction, methodology, results, and conclusions systematically. The use of subsections contributes to the clarity of the text, although a more detailed evaluation would require specific content analysis to ensure overall cohesion.</p> <p>The manuscript seems scientifically accurate, employing a standard research and development approach with methodological, results, and conclusion presentations adhering to scientific standards.</p>	
<p><b><u>Minor</u></b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b> Yes, the language quality is suitable for scholarly communication, but minor edits for clarity may be beneficial.</p>		
<p><b><u>Optional/General</u></b> comments</p>	<p><b>Regarding the introduction:</b></p> <p>Is there additional data or specific research to strengthen the argument on the decline of fossil fuel supply as a primary source of energy generation? Can you provide further insights on how the Indonesian government's guidelines are received and implemented by the population? Are there specific considerations regarding the effectiveness of energy conservation strategies in commercial buildings mentioned in the government guidelines?" Are there specific examples of load control strategies, system automation, and energy usage monitoring mentioned in the article?</p> <p><b>Regarding the Material and Methods:</b></p> <p>In the first paragraph of Section 2.1 of materials and methods, the abbreviation P.C.B. appears for the first time. What does P.C.B. mean? I think it would be interesting to include this meaning next to the abbreviation. Regarding Figure 1, it is not possible to identify the specific figures 1a, 1b, and 1c. There may be</p>	

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	<p>a formatting error, or an issue may have occurred during the article download and opening in Word.          In Section 2.1, only Figure 2 and its caption are present, with no corresponding discussion or reference to this figure in the body of the article.          In Section 2.2, only Figures 5 and 6, along with their captions, are displayed, but there is no corresponding discussion or reference to these figures in the body of the article.</p> <p><i>Regarding section 2.2</i>          Could you provide more information about the calibration process used in this system?          How is security maintained to protect access to the system, in addition to email and password login? Are there additional security measures implemented?"</p> <p><b>Regarding Results and Discussion</b></p> <p>What are the reading errors in the Measurement with Clamp Meter and Device?          How was the error and percentage error calculated? Would it be possible to provide the formula or methodology used?          It would be helpful to provide additional information on the practical significance of these errors. For example, to what extent do these deviations impact the applicability of the proposed system?          How can the identified errors in current and power affect the practical utility of the system? Is there any proposed strategy to mitigate these deviations?          What specific information does the system provide to support the management of electricity usage?          Could you provide a more detailed explanation of how the proposed system contributes to electricity energy savings? Is there any plan to assess the effectiveness of these solutions in real-world scenarios?</p> <p><b>Regarding the Conclusion</b></p> <p>Are there considerations regarding the scalability of the system for broader applications?          What are the next planned steps for the research? Is any practical implementation anticipated?</p>	
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**PART 2:**

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

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