

Review Form 3

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| Journal Name: | Asian Journal of Research and Reviews in Physics |
| Manuscript Number: | Ms_AJR2P_125057 |
| Title of the Manuscript: | DESIGN OF DIGITAL LUX METER BASED ON ARDUINO USING EL7900 PHOTODIODE SENSOR |
| Type of the Article | |

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PART 1: Review Comments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|---|--|---|
| <p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p> | <p>Lux reading has always been an important component when it comes to measuring the illuminance intensity before building construction during or even after. This manuscript has offered an design of digital lux meter which can be easily carried during inspection. other than the written has written the manuscript in a manner where it is easily understandable without any complexity.</p> | |
| <p>Is the title of the article suitable? (If not please suggest an alternative title)</p> | <p>The title of the article suits better and need not require a change.</p> | |
| <p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p> | <p>The abstracts contain the required information from the whole manuscript. To remain as it is.</p> | |
| <p>Are subsections and structure of the manuscript appropriate?</p> | <p>The subsection is well structured however addition of 2-3 subtopic of literature review which was most referred or most useful for the studies could be added.</p> | |
| <p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p> | <p>This manuscript provides a solid look at how to create a digital lux meter using an EL7900 photodiode sensor and an Arduino Uno. It highlights the importance of proper lighting in spaces and shows careful methods for testing the device against a standard lux meter. The results show a strong match in measurements, indicating the new device is accurate and reliable. Additionally, the project results in a more affordable and portable tool, making it useful for everyday people who want to measure light levels effectively.</p> | |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>=</p> | <p>More reference could be used for this study however the reference which was listed would fall in a moderate category. Might have referred some comparison between other existing model.</p> <p>Manik, S., Muslimin, A., & Subgan, A. (2020). PERANCANGAN ALAT UKUR INTENSITAS CAHAYA BERBASIS ARDUINO LEONARDO MENGGUNAKAN SENSOR LDR (Light Dependent Resistor). , 16, 1-13. https://doi.org/10.30862/JN.V16I1.46.</p> <p>Al-Haija, Q., & Samad, M. (2020). Efficient LuxMeter Design Using TM4C123 Microcontroller with Motion Detection Application. 2020 11th International Conference on Information and Communication Systems (ICICS), 331-336. https://doi.org/10.1109/ICICS49469.2020.239523.</p> | |

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| Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications? | No correction/revision is required as the manuscript is structured in a way where it can be easily understood by the reader. | |
| Optional/General comments | The overall manuscript has a good foundation and adds valuable insights to the topic. Appreciate the thorough research and clear presentation of ideas and recommend for approval. Adding on the literature review might add more values to the research. (Not compulsory) | |

PART 2:

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| | 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> | |

Reviewer Details:

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| Name: | Thiruvengadish a/l Sundaraju |
| Department, University & Country | Universiti Malaya, Malaysia |