

### Review Form 3

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|--------------------------|---|
| Journal Name:            | <a href="#">Archives of Current Research International</a>  |
| Manuscript Number:       | Ms_ACRI_121000  |
| Title of the Manuscript: | Performance evaluation of Microcontroller-Based Weight Measurement System for Liquid Agriculture produces |
| Type of the Article      | Original Research Article   |

#### **General guidelines for the Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

#### **Important Policies Regarding Peer Review**

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

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#### PART 1: Review Comments

| <b>Compulsory</b> REVISION comments   | Reviewer's comment   | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|---|--|---|
| 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.                        | This manuscript describes research findings to help others learn to use microcontroller for controlling a weight measurement of liquid agricultural produce. This is another option to solve basic agricultural problems. The system is not complicated to design and build. Moreover, it is easy for users to use.  |   |
| Is the title of the article suitable? (If not please suggest an alternative title)  | Yes, it is.  |   |
| 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.   | Yes, it is.  |   |
| Are subsections and structure of the manuscript appropriate?  | Yes, it is.<br>In design and calibration procedure, author should use pictures which show what a LCD displays and how to measure the weight of liquid agricultural produce. Moreover, author should describe more about how many samples and times of each agricultural produce is measured. In results and discussion section, author should clearly discuss about obtained results.  |   |
| 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. | This manuscript mentions about microcontroller for controlling a weight measurement for liquid agriculture produces. A calibration of this system is also mentioned in this research. This shows that the measured values from the designed system are accurate.   |   |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.   | Yes, they are. However, some of the references are too old. Authors should ensure that relevant documents are as up-to-date as possible.   |   |
| <b>Minor</b> REVISION comments<br><br>Is the language/English quality of the article suitable for scholarly communications?   | Yes, it is. However, please check and correct grammatical mistakes and misspelled words, especially in a section of materials and method.  |   |
| <b>Optional/General</b> comments  | <ul style="list-style-type: none"> <li>- Review more researches about weight measurement of liquid agricultural produce.</li> <li>- Give the reasons of choosing method/technique to design your system.</li> <li>- This type of work is not a newly invented system. How is this designed system different from other researches? What is the outstanding of this system?</li> <li>- Give more evidences and results to support that your system is tested.</li> <li>- How do you know that the obtained and displayed values from your system are accurate?</li> <li>- How many samples/times that the system was operated in the test?</li> <li>- Does the density of a liquid affect the weight measurement?</li> <li>- What is the error rate of a standard weighing scale used in calibration process?</li> <li>- What is the error rate of measured weight from the designed system?</li> </ul> |   |

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#### **PART 2:**

|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> <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> |
|---|--|---|
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |   |

#### **Reviewer Details:**

|                                  |  |
|----------------------------------|--|
| Name:                            | <b>Nawarat Piladaeng</b>               |
| Department, University & Country | <b>Maharakham University, Thailand</b> |