|  |  |
| --- | --- |
| Journal Name: | [**Journal of Engineering Research and Reports**](https://journaljerr.com/index.php/JERR) |
| Manuscript Number: | **Ms\_JERR\_139797** |
| Title of the Manuscript: | **EVALUATING THE UNCONFINED COMPRESSIVE STRENGTH RETENTION OF CORN STARCH STABILIZED LATERITIC SOILS** |
| Type of the Article | **Original Research Article** |

|  |  |  |
| --- | --- | --- |
| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **Evaluating the unconfined compressive strength retention of corn starch stabilized lateritic soil under wet- dry cycle condition give new insight for scientific community for further analysis and predicting with more parameters, like porosity, density and durability.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, the title is suitable for the article** |  |
| **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** |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes,  **Under introduction**  the word Mechanistically, biased the reader  **Under section 2.2.2**  Two (2) samples per experimental run were produced as per the developed design of experiment, which standard recommend two samples sizes? What about the standard deviation of the experimental results?  I have observed misalignment of spindle axis during UCS testing on figure 3, change this figure  **Under conclusion section**  i. Too much water can create too many pores in the soil, which can weaken it over time  I have not seen any results or finding supporting this conclusion in the result and discussion section |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | YES |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | YES |  |
| **Optional/General** comments | **I recommend the author’s to consider, the porosity analysis and its effect on UCS during wet-dry cycle, the variation in density and durability of corn starch.** |  |

|  |  |  |
| --- | --- | --- |
| **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?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

**Addisu Workiye, Wollo University (Kombolcha Institute of Technology), Ethiopia**