

Review Form 3

Journal Name:	Asian Journal of Probability and Statistics
Manuscript Number:	Ms_AJPAS_125479
Title of the Manuscript:	OPTIMIZATION OF EXPERIMENTAL PARAMETERS IN THE BUILDING CONSTRUCTION PROCESS WITH FRACTIONAL FACTORIAL DESIGN AND RESPONSE SURFACE METHODS
Type of the Article	

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PART 1: Review Comments

Compulsory 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.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
Are subsections and structure of the manuscript appropriate?		
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.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =		

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	<p>The work is interesting, some comments are as follows:</p> <ul style="list-style-type: none">- Delete the surface before the tables.- Improve the layout of the text.- The English needs further improvement.- In section 4.2, the table of parameters needs more interpretation, with explanations for each source.- The tables in section 4.2 are poorly organized.- Explain why the optimal compressive strength is highest at 20 mm of standard sand.- The quality of Figure 1 is unclear and needs to be improved.-In section 4.2, clarify the composition of each type of cement.-Explain why the type of cement is a factor affecting compressive strength.-Why does compressive strength increase with the amount of standard sand?- What is the optimal cement content for each type of cement?	<ul style="list-style-type: none">-surface deleted-layout of the text is improved-English grammar improved-table 4. discussed in details-table 4. is organized- The optimal compressive strength is highest at a standard sand size of 20 mm because larger sand particles provide better packing and interlocking within the concrete mix, contributing to improved strength. When the sand particles are larger, they create fewer voids within the mix, leading to a denser concrete structure. This enhanced density increases the load-bearing capacity of the concrete, thereby boosting compressive strength.-the quality of Figure 1 is increased.- The type of cement BUA is a critical factor affecting compressive strength because different cement compositions influence the rate of hydration, setting time, and the development of strength in concrete.-The optimal cement content for each type of cement is (450g) refer to table 1.

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)	