

Review Form 1.6

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_86896
Title of the Manuscript:	Mechanical Enhancement of a Fine-Grained Lateritic Soil blended with Portland cement powder for Use in Construction works.
Type of the Article	Original Research Article

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	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)
Compulsory REVISION comments	<p>1. Rewrite to present the novelty of this research "It reveals cohesion of the soil at 0, 2, 4, 6, 8 and 10% to be 19, 39, 49, 55, 58 and 65 KN/m2 respectively, with highest angle of 65 and lowest of 37. This implies that the cohesion of the improved sample was satisfied since the improved angle of internal friction is above the angle that makes soil very plastic which is 28.0."</p> <p>2. Point out the gap of current knowledge "Literature review publicized that projected quantities of kaolin mineral deposit reserve in Nigeria, is roughly 2 billion metric tons [45,46]. Similarly, metakaolin is the remnant from the burning of kaolin (dehydroxylated kind of kaolin), normally via heating to roughly temperature of 750C [47-49]. In view of the fact that kaolin mineral does not have carbonates, thus no amount of CO2 is discharged during burning or calcination, as such will minimize the detrimental impact of CO2 released during manufacturing of industrially synthetic soil enhancement agent [50-52]."</p> <p>3. Explain about the characteristics of "Soil sample used in this paper was collected from three different lateritic soil borrow pit along Abuja – Lokoja road in the Federal capital territory of Nigeria."</p> <p>4. Recheck and rewrite "The result shown the impact of various percentages of RHA, SSA and geo polymer on the soil sampling stabilized. The highest cohesion of 19KN/m2, 11KN/m2 and 65KN/m2 was achieved at 10% and frictional angle of 27°, 19° and 57° for RHA, SSA and geo polymer respectively."</p>	
Minor REVISION comments	None	
Optional/General comments	None	

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>	

Reviewer Details:

Name:	Burachat Chatveera
Department, University & Country	Thammasat University, Thailand