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Journal Name:	**Physical Science International Journal**
Manuscript Number:	**Ms_PSIJ_29586**
Title of the Manuscript:	**Experimental Study of Thermophysical and Mechanical Properties of Refractory Clay tilled into Straw-Fiber Stabilized Blocks**
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	**1. The authors used several words describing the same material: refractory clay tilled, clay, raw soil, raw mud, or even earth and land. They should choose one of them for better clarity.** **2. Word "however" is misused in the sentence "However it increases the heat capacity…" in the abstract. An increase of heat capacity is a positive effect in terms of building materials.** **3. F_c and R_c, F_f and R_f factors should not be described the same. For F_c and F_f factors I propose "maximum compression force" and "maximum flexural force" descriptions respectively.** **4. In the abstract the authors state that drying shrinkage of the samples increased by 22.25% when in fact it decreased.** **5. "Bending strength" is misused with "Flexural strength" and "breaking load" descriptions.** **6. In the experimental part "power" is misused with "load" in the description of mechanical tester.** **7. In 3.1.2. point the authors state that increase of tensile strength causes an increase of flexibility of the material, which is not always true. In my opinion these two factors should be interpreted separately.**	
Minor REVISION comments	**1. In the nomenclature "drying shrinking" should have % unit.**	

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	2. The experimental part sometimes contain description of the samples properties, which should be located in the results & discussion part and *vice versa*. **3. The T_c and T_f factors are not described in the nomenclature.** **4. The sentence "…,on the one hand, and on the other hand,…" is confusing in "3.1. Hydro-mechanical properties" section. In my opinion it should be removed.** **5. In the table 5 an error of water absorption is confusing (20%) when compared to the absorption values (11.36-21.25). What are the units of these values?** **6. In 3.2.2.1. point, the density decrease of the samples should be also connected with lower density of straw in comparison to clay.** **7. In table 7 word "effusivité" should be replaced by "effusivity"**	
Optional/General comments	**1. There is a number of editorial issues mainly concerning lack of spaces between words in sentences.**	

Reviewer Details:

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