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Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	**Ms_CJAST_43352**
Title of the Manuscript:	**PARTIAL REPLACEMENT OF ORDINARY PORTLAND CEMENT WITH SAW DUST ASH IN CONCRETE**
Type of the 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.
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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. As there are some existing literatures on using the saw dust ash as concrete material, the title may be changed to emphasize the unique aspect or special focus of this study. Please refer to the following literautue: *"Udoeyo, F. F., & Dashibil, P. U. (2002). Sawdust ash as concrete material. Journal of Materials in Civil Engineering, 14(2), 173-176."* 2. In the introduction section, please give more discussion about the environmental issues related to cement industry, such as the CO_2 emission and green house effect. The authors may refer to the reference and consider to cite the article: *"Qiu, Q., Gu, Z., Xiang, J., Huang, C., Hong, S., Xing, F., & Dong, B. (2017). Influence of slag incorporation on electrochemical behavior of carbonated cement. Construction and Building Materials, 147, 661-668."* *"Dong, B., Qiu, Q., Xiang, J., Huang, C., Sun, H., Xing, F., & Liu, W. (2015). Electrochemical impedance interpretation of the carbonation behavior for fly ash–slag–cement materials. Construction and Building Materials, 93, 933-942."* 3. The author should state more advantages of using sawdust ash in concrete, compared to other traditional waste products like fly ash. Is it more economical? 4. On page 2, line 41-42, it is suggested to give some references for supporting the statement " Current engineering practice may permit up to 40% reduction in ordinary portland cement (OPC) used in concrete mixture to replace with pozzolana.". Useful reference is provided here which discusses the most suitable pozzolana percentage for maintaining mechanical and durability performance of concrete: *"Liu, J., Wang, X., Qiu, Q., Ou, G., & Xing, F. (2017). Understanding the effect of curing age on the chloride resistance of fly ash blended concrete by rapid chloride migration test. Materials Chemistry and Physics, 196, 315-323."*. 5. Any discussion for Figure 4? If available, please provide the error bars in Figure 4. In addition, what does the "Chart Title" mean by? 6. The author may consider the pozzolanic activity of saw dust in the development of concrete strength. When will the pozzolanic reaction occur and influence the microstructure of concrete? 7. It would be interesting to mention some future research works in this subject, like the durability issue (e.g. carbonation, chloride diffusion, and sulfate attack).	
Minor REVISION comments	1. A few writing errors are found, which need correction: (a) On page 2, line 33, "is been", (b) In Figure 4, "Strenght" or "Strength"?, (c) in reference list, "Blinded Cement using Volcanic Ash and Pumice", correct "Blinded", (d) in reference list, , correct journal name "fuel" to "Fuel". 2. On page 2, line 58, "BS 882 (1983)", please the check the year of specification. It seems too old. Also, please update the latest version of all standards in this manuscript. Some of them have been withdrawn, such as "BS 1881: Part 1 (1983)". 3. "Table 1: Chemical Composition" is missed in the main text, only showing the table without mentioning it in the text.	
Optional/General comments		

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