

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_111756
Title of the Manuscript:	SCAN ELECTRON MICROSCOPE AND XRD CHARACTERIZATION OF UNTAPPED CLAY DEPOSITS IN ITU LOCAL GOVERNMENT AREA AKWA IBOM STATE AND IT'S POTENTIALS AS RAW MATERIAL FOR PETROLEUM REFINING
Type of the Article	Manuscript

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> Is the manuscript important for scientific community? The manuscript titled "SCAN ELECTRON MICROSCOPE AND XRD CHARACTERIZATION OF UNTAPPED CLAY DEPOSITS IN ITU LOCAL GOVERNMENT AREA AKWA IBOM STATE AND IT'S POTENTIALS AS RAW MATERIAL FOR PETROLEUM REFINING" appears to be significant for the scientific community. The research delves into the characterization of untapped clay deposits from Ikot Uso Akpan and Ekim Itam in Itu LGA, Akwa Ibom State, Nigeria, utilizing scanning electron microscope (SEM) and X-ray diffraction (XRD) techniques. The study explores the potential of these clay deposits for zeolite development in industrial applications. Through appropriate modifications, the examined kaolin shows promise as a raw material for synthesizing zeolite suitable for bio and fossil fuel processing. This undertaking has the potential to significantly contribute to the field of condensed matter physics. Researchers in related disciplines may find the results pertinent to their work, rendering the manuscript a valuable addition to the scientific community. Is the title of the article suitable? There will be slight modification in the title. The full form of SEM is "Scanning Electron Microscope". So the title can be "SCANNING ELECTRON MICROSCOPE AND XRD CHARACTERIZATION OF UNTAPPED CLAY DEPOSITS IN ITU LOCAL GOVERNMENT AREA AKWA IBOM STATE AND ITS POTENTIALS AS RAW MATERIAL FOR PETROLEUM REFINING" Is the abstract of the article comprehensive? No. The abstract should be written in present form and the method of sample preparation should be in "Materials and Method" section. The abstract should be written in brief and concise manner. Are subsections and structure of the manuscript appropriate? Yes. The subsections and the structure of the manuscript are appropriate. Do you think the manuscript is scientifically correct? The English quality is subpar, characterized by numerous typos and grammatical errors. It is advisable for the authors to rectify these mistakes and compose the sentence correctly. Otherwise the content of the article is suitable for scholarly communications. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. The references are appropriately cited, providing a solid foundation for the study. <p>Additional Comments:</p> <ol style="list-style-type: none"> The Authors must write the table of results and label the fig 1-8 in bigger fonts. It is not visible properly. The authors should clarify and write how they have calculated the weight percentage of the quartz, orthoclase and the other materials from XRD in the manuscript. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>The English quality is subpar, characterized by numerous typos and grammatical errors. It is advisable for the authors to rectify these mistakes and compose the sentence correctly.</p>	

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Optional/General comments		
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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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