

Review Form 3

Journal Name:	South Asian Journal of Social Studies and Economics
Manuscript Number:	Ms_SAJSSSE_128726
Title of the Manuscript:	Analysis of the Potential of Refuse Derived Fuel (RDF) Technology as a Waste Management Solution in Medan City
Type of the Article	Original Research

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PART 1: 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. A minimum of 3-4 sentences may be required for this part.	This manuscript holds significant importance for the scientific community as it explores the potential of Refuse Derived Fuel (RDF) technology as a sustainable waste management solution. By addressing the critical challenges of increasing waste volumes and limited landfill capacities, the study contributes valuable insights into waste-to-energy strategies. Its emphasis on RDF's environmental, economic, and social benefits aligns with global goals for sustainable development and a circular economy. Moreover, the paper provides a framework for implementing RDF technology, offering practical strategies that can be adapted in similar urban contexts worldwide.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title "Analysis of the Potential of Refuse Derived Fuel (RDF) Technology as a Waste Management Solution in Medan City" is clear and descriptive. It effectively conveys the focus of the study, highlighting both the analysis and the specific context of Medan City. However, for more concise or highlights specific aspects, here are a few suggestions: 1. "Evaluating RDF Technology for Sustainable Waste Management in Medan City" 2. "Potential of Refuse Derived Fuel (RDF) in Medan City's Waste Management Strategy" 3. "Advancing Sustainable Waste Management: RDF Technology in Medan City" 4. "Refuse Derived Fuel (RDF): A Pathway to Sustainable Waste Solutions in Medan"	

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<p>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.</p>	<p>The abstract of the article is comprehensive, as it effectively summarizes the objectives, methods, key findings, and conclusions. However, to improve its clarity and structure, the following suggestions could be considered:</p> <ol style="list-style-type: none"> 1. Incorporate Quantitative Data 2. Highlight Methodology Briefly 3. Remove Redundant Points 4. Explicitly Connect to Global Context 	
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>The manuscript appears to be scientifically correct based on the provided content. It uses established methods, such as qualitative descriptive analysis and SWOT analysis, to evaluate the potential of Refuse Derived Fuel (RDF) technology. The study references relevant literature employs appropriate data collection techniques (e.g., primary data through stakeholder interviews and secondary data from reports), and discusses its findings in a structured and logical manner.</p> <p>Areas for Verification:</p> <ul style="list-style-type: none"> • Technical Claims: Statements such as the RDF's calorific value (15-23 MJ/kg) and its ability to reduce landfill waste by 86% should be supported with clear references or calculations within the manuscript. • Data Consistency: The production data and SWOT matrix align with the findings, but further validation of the internal and external factor ratings would enhance transparency. 	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The manuscript includes a reasonable number of references, and many appear to be relevant to the topic of Refuse Derived Fuel (RDF) technology and waste management. However, some references date back over a decade (e.g., Bimantara, 2012), which might not reflect the most current advancements in RDF technology and waste management practices.</p> <p>Suggestions for Improvement:</p> <ol style="list-style-type: none"> 1. Add More Recent References 2. Diversify Sources 3. Potential References to Consider 	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language and English quality of the article are suitable for scholarly communication overall. It effectively conveys the research's objectives, methods, findings, and conclusions. The writing is professional, coherent, and well-organized, which makes the manuscript accessible to academic readers.</p>	
<p>Optional/General comments</p>	<p>The manuscript provides valuable insights into the potential of Refuse Derived Fuel (RDF) technology in Medan City. The methodology is sound, and the use of SWOT analysis is appropriate. However, minor revisions are needed to reduce repetition, improve sentence clarity, and incorporate more recent references. Including specific quantitative data to support claims would strengthen the paper.</p>	

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

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