

Review Form 1.7

Journal Name:	Asian Journal of Advanced Research and Reports
Manuscript Number:	Ms_AJARR_96666
Title of the Manuscript:	Design and Structure Research of Forklift Seats Based on Ergonomic
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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. This manuscript makes a small contribution to the global community. To expand the impact of this manuscript, anthropometric data for Asians can be developed, which can be accessed online, so that the results of this study can be used as a reference for improving forklift seat designs for Asians. 2. The title of the manuscript is sufficient 3. The abstract is well-written and comprehensive 4. The subsections and structure of the manuscript are appropriate but need to be deepened according to the reviewer's input and comments. 5. Scientifically, the research flow and methodology are following the requirements and standards of ergonomics design research. It is necessary to add a design trial prototyping stage to see the response from design users. 6. The literature review should be written and analyzed more broadly by adding references. The author needs to add newer references, published in the last five years. <ol style="list-style-type: none"> a. Add literature showing that good design is a good investment for the industry. b. Add reference papers that analyze physical and mental fatigue in forklift operators. Also, other performance aspects of the operator, for example, the visibility aspect. <ol style="list-style-type: none"> i. https://doi.org/10.1016/j.ifacol.2021.08.071 ii. https://doi.org/10.1016/j.proeng.2017.06.084 iii. https://doi.org/10.1016/j.apergo.2008.04.012 iv. etc 7. Explain, as background, what is the urgency of making forklift design as an object of research other than in the logistics industry 8. How critical is the need for forklifts for logistics to meet ergonomic design standards? 9. Add data showing the impact of an unergonomic forklift seat design with data on financial losses in the logistics industry due to occupational diseases. 10. Add analysis and evidence that good ergonomics is good economics 11. Add the inclusive criteria used to select reference articles for this study. 12. Simulation with CATIA is insufficient to prove that the design meets ergonomic product standards. This research needs to add a "fine-tuning" stage using the tested prototype. 	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	The English used in the article has good clarity, moderate engagement, and pretty good delivery.	
<p>Optional/General comments</p>	The results of this study can be one of the empirical pieces of evidence of efforts to overcome occupational diseases for forklift operators. The results of this study would be better if tested directly using prototypes on humans to see how the user feels. However, this manuscript can be published and become one of the references for more ergonomic forklift design improvements.	

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>	

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