



Peer-Review Statements

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All of the articles in this proceedings volume have been presented at the 7th International Conference on Applied Engineering (ICAE) during October 1 – 2nd in Politeknik Negeri Batam, Indonesia. These articles have been peer reviewed by the members of the ICAE Chair Committee and approved by the Editor-in-Chief, who affirms that this document is a truthful description of the conference's review process.

1. REVIEW PROCEDURE

The reviews were double-blind. Each submission was examined by 3 reviewer(s) independently.

The conference submission management system was EDAS Conference and Journal Management System.

The submissions were first screened for generic quality and suitability related to topic of the conference. After the initial screening, they were sent for peer review for a content review by matching each paper's topic with the reviewers' expertise as well as for a template and plagiarism review, taking into account any competing interests. A paper could only be considered for acceptance if it had received favourable recommendations from the three reviewers.

Authors of a rejected submission were given the opportunity to revise and resubmit after addressing the reviewers' comments. The acceptance or rejection of a revised manuscript was final.

Reviewers are recused from the handling of papers by closely related authors. There were two content reviewers and one template as well as plagiarism reviewers. All of the assigned task of reviewers were conducted through the EDAS system. Thus, it was help to reduce unconscious bias for a good review activities management.

2. QUALITY CRITERIA

The review process for the International Conference on Applied Engineering (ICAE 2024) was conducted with a rigorous commitment to ethical standards and academic

integrity. Reviewers were instructed to evaluate submissions based solely on their academic merit, guided by several core criteria:

1. **Pertinence to Conference Scope:** Each submission was assessed for its relevance to the conference’s themes and tracks, ensuring that the research aligned with the focus of applied engineering and its sustainable applications.

2. **Originality and Novelty:** Reviewers considered the originality, novelty, and timeliness of each paper, prioritizing research that contributed innovative perspectives or advancements within its field.

3. **Methodological Soundness:** Submissions were evaluated for the robustness of their methods, analyses, and results, ensuring that findings were based on sound scientific principles.

4. **Ethical Standards Compliance:** All articles were reviewed to ensure adherence to ethical research standards and relevant codes of conduct within their fields.

5. **Clarity and Cohesion:** Submissions were assessed for clear and cohesive language, accuracy, and high-quality visual representation (e.g., figures and tables), allowing for effective communication of research findings.

To uphold the integrity of the conference proceedings, all papers underwent a blind peer-review process to ensure impartial assessment and high scientific quality. Additionally, plagiarism detection software was applied to every submission, resulting in all accepted papers showing less than 12% similarity with other works. This process helps to guarantee that each accepted paper brings a unique and innovative contribution to the field of applied engineering. The ICAE 2024 organizing committee is committed to maintaining the highest standards of academic excellence and ethical practices.

3. KEY METRICS

<i>Total submissions</i>	71
<i>Number of articles sent for peer review</i>	51
<i>Number of accepted articles</i>	28
<i>Acceptance rate</i>	39.44%
<i>Number of reviewers</i>	48

4. COMPETING INTERESTS

The International Conference on Applied Engineering (ICAE 2024) organizers and the Scientific Committee are committed to upholding the integrity of the editorial process by ensuring transparency and managing potential competing interests effectively.

To maintain impartiality, all steps were taken to avoid any conflicts of interest between organizers and authors.

Neither the Editor-in-Chief nor any member of the Scientific Committee has any personal or financial interest in the research submitted for review. The conference organizers ensured that all reviewers were selected based on their expertise and lack of direct association with the authors, thereby minimizing potential biases. Additionally, authors and reviewers were required to disclose any relevant funding sources, ensuring full transparency in cases where funding might intersect with the conference's organizing bodies.

In cases where a potential conflict could be perceived, reviewers were rescued from evaluating those specific submissions, and the review responsibilities were reassigned to impartial committee members. These measures uphold the validity of the review process and ensure that all published works reflect the conference's standards of academic rigor and objectivity.

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