

PISTON

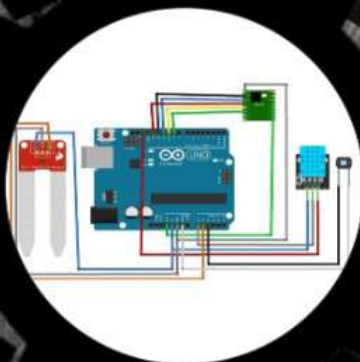
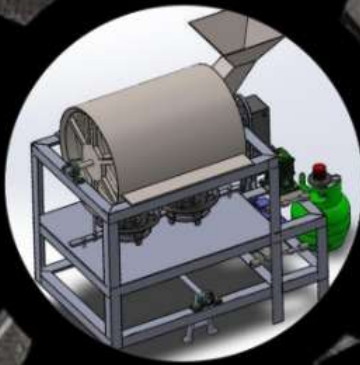
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Program Studi Teknik Mesin
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The editorial board accepts original manuscripts from academics, researchers, and practitioners that have not been previously published. A blind review process is used to determine the suitability of manuscripts for publication. Submission guidelines are provided in this journal. Submitted manuscripts must include a soft copy.

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SCOPE OF THE JOURNAL

Piston Journal of the Mechanical Engineering Study Program at Pamulang University accepts manuscripts on a wide range of topics in the field of mechanical engineering, including but not limited to:

1. Energy conversion
2. Materials
3. Manufacturing
4. Mechanical design and construction
5. Other areas related to mechanical engineering.

MANUSCRIPT FORMAT

Manuscripts submitted to this journal—whether conceptual studies or empirical research—should follow the structure outlined below:

- (1) **Author(s):** Full name(s) accompanied by institutional affiliation(s).
- (2) **Abstract:** Presented in both Indonesian and English, along with keywords. The abstract should not exceed 300 words.
- (3) **Introduction.**
- (4) **Main content.**
 - For conceptual articles: includes core discussion and analysis.
 - For research-based articles: includes:
 - Research methodology, and
 - Result and discussion.
 - Figures, tables, and mathematical equations must be sequentially numbered and properly captioned.
- (5) Conclusion
- (6) Recommendations (if applicable)
- (7) Acknowledgments (if applicable).
- (8) **References:** A minimum of 10 references is required, with preference given to recent sources.

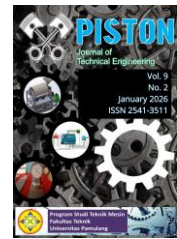
Manuscript Formatting Guidelines

1. Manuscripts must be submitted in .docx or .doc format.
2. Font: Times New Roman.
3. Single-column layout.
4. Line spacing: single. Paper size: A4.
5. Length: Minimum 5 pages, maximum 10 pages.
6. Margins: 1 cm on all sides (top, bottom, left, right).
7. Image resolution: Minimum 300 dpi, accepted formats include PNG, JPEG, and BMP.
8. References should follow the IOP referencing style

All submitted manuscripts will be reviewed by peer reviewers (Mitra Bestari) to assess their relevance to the journal's scope and the quality of the content. Accepted papers will be published in the *Piston Journal* of Universitas Pamulang.

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FOREWORD

Alhamdulillahirabbil 'Alamin, all praise and gratitude we extend to Allah SWT for His blessings and guidance, through which the *Journal of Technical Engineering*, Vol. 9, No. 2, January 2026, has been successfully published on schedule.

In this edition of the *Journal of Technical Engineering*, the published articles cover topics including paddy drying systems using integrated heat pump, solar energy, and biomass furnaces; cooling load analysis using the CLTD method; synthesis and application of coconut shell-derived graphene and graphene-like carbon materials; numerical performance analysis of Savonius and Flettner rotors for sustainable energy applications; development of regulatory recommendations for city bus bumper bars; and synthesis of dual-doped ZnO nanofibers for piezoelectric nanogenerator applications.

We encourage continued participation from researchers, lecturers, academics, and practitioners to contribute to this journal, ensuring its consistent publication according to the established schedule. Such contributions are vital for enhancing the quality and diversity of topics in accordance with the scope of mechanical engineering.

It is our hope that this journal provides valuable insights and contributes meaningfully to the advancement of science and technology, while also serving as a reference for national development efforts.

Finally, as no work is ever without flaws, we sincerely apologize for any shortcomings. Constructive feedback and suggestions are highly welcomed for the continuous improvement of this journal.

Pamulang, January 2026

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