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Article Title in English (Aptos Narrow, 14 pt, bold, centered; the title must be concise, specific, informative, and accurately reflect the main content and findings of the study)

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Abstract— The abstract must be written in English in a single paragraph of no more than 200 words. It should include the research background or problem, research objective, methodology, main findings, and conclusion, including implications where relevant. The abstract must be concise, clear, informative, and self-contained. Citations, tables, figures, and equations are not permitted in the abstract. (Aptos Narrow 11 pt)

Keywords: keyword 1; keyword 2; keyword 3; keyword 4; keyword 5. (Aptos Narrow 11 pt)

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1. Introduction (Aptos Narrow 11 pt)

The Introduction must present the research background, current developments in the field (state of the art), research gap, research novelty, and research objectives clearly and systematically.

Authors must describe the development of knowledge based on relevant, adequate, and up-to-date scientific literature. The review of previous studies must include critical analysis to demonstrate the development of existing findings, the limitations of previous research, and unresolved issues. Based on this analysis, authors must identify the research gap and explain the contribution and novelty offered by the article.

The research objectives must be explicitly stated at the end of the Introduction and must be consistent with the research problem and gap described earlier. Original research articles are preferred. Review articles and case reports may be considered if they fall within the journal's focus and scope and satisfy the required standards of scientific substance.

Case reports and short communications must present clear objectives, relevant methods or procedures, adequately analyzed results, and conclusions supported by the findings. Review

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articles must provide comprehensive coverage, supported by sufficient and up-to-date references, and present critical synthesis and the authors' original analysis rather than merely summarizing previous studies.

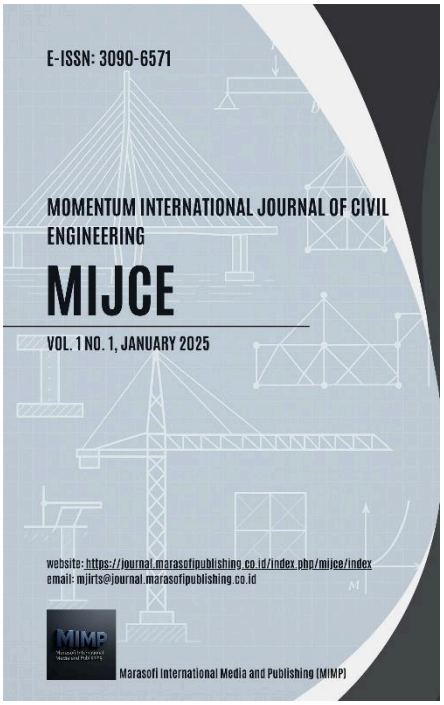
All scientific statements based on previous research must be supported by relevant and verifiable references. In-text citations must follow the IEEE citation style in accordance with the journal's requirements. The Introduction must be concise, coherent, and argumentative so that readers can understand the urgency of the research, its scientific foundation, its novelty, and its expected contribution.

2. Methods (Aptos Narrow 11 pt)

The research methods must be described in sufficient detail, systematically, and clearly so that other researchers can understand and reproduce the study. This section should include the research design or approach, research location and period where relevant, data sources and types, data collection techniques, instruments used, and data analysis methods. Authors must describe the research procedures in a logical sequence and specify the procedures, parameters, or standards applied, as appropriate to the nature of the study.

Figures, tables, and equations must be numbered consecutively according to their order of appearance in the manuscript and must be cited in the text before they appear. In-text references must use the formats “Figure 1,” “Table 1,” and “Equation (1).” Figure captions must be placed below the figures, whereas table titles must be placed above the tables. Figures should preferably be positioned at the top or bottom of a page to maintain a neat manuscript layout.

For example, a power system can be divided into five main subsystems, as shown in Figure 1.



Gambar 1. Components of a Power System

Tables must follow a consistent format, have informative titles, and include column headings and measurement units where necessary. An example of table presentation is provided in Table 1.

Table 1. Example of Table Presentation

Column Heading	Column A (t)	Column B (t)
First row	1	2
Second row	3	4
Third row	5	6
Fourth row	5	6
Fifth row	5	6

In the manuscript, the following expression is referred to as Equation (1). All symbols, variables, parameters, and units used in an equation must be explained in the text if they have not been defined previously. Equations must be written and numbered consecutively. Equation numbers must be enclosed in parentheses and aligned to the right.

$$z = 10\,x^2 - 5 \quad (1)$$

3. Results and Discussion (Aptos Narrow 11 pt)

The Results and Discussion section must present the research findings clearly, accurately, and systematically, accompanied by critical analysis and interpretation. The results must address the research objectives or questions and be supported by appropriate evidence, such as facts, data, measurements, calculations, statistical analyses, interview excerpts, or other empirical evidence consistent with the research approach.

Authors must identify and emphasize the main findings that have scientific significance. The data presented must be relevant, consistent, traceable, and sufficient to support the conclusions. Tables, figures, graphs, and equations should be used when they help explain the findings, rather than merely as supplementary elements. All tables and figures must be cited in the text before they appear, numbered consecutively, and accompanied by informative titles and captions.

The Discussion must go beyond repeating or describing the data. Authors must interpret the meaning of the findings, explain relationships among the results, discuss mechanisms or factors that may have influenced the outcomes, and identify implications for theory, scientific development, or relevant practice. Every interpretation must be supported by adequate data and scientific reasoning. Data or methodological limitations must also be considered to ensure that interpretations do not exceed the available evidence.

The findings must be critically compared with relevant and up-to-date theories, standards, and previous studies. Such comparisons must explain similarities, differences, or conflicting findings, accompanied by an analysis of their possible causes and the study's contribution to existing knowledge. Authors must not merely state that their findings are consistent or inconsistent with previous studies without providing a scientific explanation.

The Discussion must also demonstrate how the findings address the research gap and support the novelty presented in the Introduction. Practical, theoretical, or methodological implications may be discussed according to the nature of the study, while clearly distinguishing directly supported findings from the authors' interpretations or recommendations.

The Results and Discussion may be presented together or in separate subsections, depending on the characteristics of the study and the journal's requirements. However, every article must establish a clear relationship among the data, interpretation, previous research, and scientific contribution.

A presentation that only describes findings without in-depth interpretation, critical comparison, or adequate supporting evidence does not meet the expected standards of scientific analysis and synthesis.

4. Conclusion (Aptos Narrow 11 pt)

The Conclusion must clearly and concisely address the research objectives based on the findings presented in the Results and Discussion section. It must emphasize the most important findings and/or research novelty and demonstrate the study's contribution to the advancement of scientific knowledge or relevant practice.

Statements in the Conclusion must be supported by adequate research evidence and data. The Conclusion must not introduce new information that has not been discussed in the Results and Discussion section, repeat the Discussion in excessive detail, or make claims that exceed the scope and evidence of the study.

Where relevant, the Conclusion may include practical or theoretical implications, recommendations, and suggestions for future research. Recommendations must be directly related to the findings and limitations of the study rather than being general suggestions unsupported by the research results.

The Conclusion may be presented as a separate section or as the closing paragraph of the Results and Discussion section, depending on the article structure specified by the journal. If presented as a separate section, it must be titled “4. Conclusion.”

Articles accepted for publication must be between 5 and 12 pages in length and formatted in a single-column layout using this journal template.

Acknowledgments (Aptos Narrow 11 pt)

The authors would like to thank [name of individual, institution, laboratory, or other party] for the support provided during the research. Acknowledgments should be included only for relevant contributions, and permission should be obtained from the parties concerned where appropriate.

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References (Aptos Narrow 11 pt**)**

References must be relevant to the research topic, accurate, verifiable, and used to support the scientific arguments presented in the article. References must follow the IEEE citation style. Every source listed in the References section must be cited in the text, and every in-text citation must correspond to an entry in the References section. Authors are encouraged to use reference management software, such as Mendeley or EndNote, to maintain consistency in citations and reference formatting.

1. Proportion of Primary Sources

Each article must cite at least 15 references, prioritizing primary sources that report original research findings or scientific contributions. Primary sources include scientific journal articles, conference proceedings papers, theses, dissertations, undergraduate theses, scientific manuscripts, and research monographs.

Primary references must be relevant and substantively used to support the theoretical foundation, methods, analysis, and discussion of the research findings. Authors must ensure that primary sources constitute an adequate proportion of the total references. Textbooks, popular sources, general websites, and other secondary sources must not dominate the reference list when relevant primary sources are available.

2. Currency of References

Authors must prioritize references published within the last 10 years, calculated with reference to the publication year of the article and the year of manuscript submission. Up-to-date references are necessary to demonstrate current developments in the field and support the analysis and comparison of research findings.

Classical literature and older references may still be used when necessary to explain fundamental theories, basic concepts, the historical development of a field, or the original source of a particular problem. However, classical literature must not serve as the primary basis for comparing findings with current research developments, nor may it be the sole basis for claiming research novelty.

Novelty must be established through a critical review of relevant previous studies, particularly recent research, to identify the research gap and clarify the article's original contribution.

3. Reference Formatting Requirements

1. Each article must contain at least 15 references.
2. Primary sources must constitute the main component of the reference list.
3. References published within the last 10 years must be prioritized, without excluding genuinely necessary classical sources.
4. Each reference must include complete and accurate bibliographic information, including a DOI where available.
5. Author names must be presented in accordance with the IEEE style adopted by the journal. Avoid using *et al.* in the reference list if the journal template requires all authors' names to be listed.
6. Reference numbers must be assigned according to the order in which sources first appear in the text, not alphabetically.
7. Each reference number must correspond to a single source. If multiple sources support the same statement, each source must be assigned its own reference number.
8. Every reference must be cited in the manuscript. Sources that are not cited in the text must not be included in the reference list.

4. Examples of IEEE Reference Formatting

Journal Article

[1] Z. Li, H. Wang, and Y. Zhang, “Performance evaluation of recycled aggregate concrete under cyclic loading,” *Construction and Building Materials*, vol. 201, pp. 1–12, 2019, doi: 10.1016/j.conbuildmat.2018.11.203.

Book

[2] W.-K. Chen, *Linear Networks and Systems*. Belmont, CA, USA: Wadsworth, 1993.

Conference Proceedings Paper

[3] A. B. Rahman and S. H. Lee, “Seismic performance of RC structures using nonlinear analysis,” in *Proceedings of the International Conference on Structural Engineering and Construction*, Chicago, IL, USA, 2019, pp. 221–228.

Thesis or Dissertation

[4] A. A. Author, “Title of thesis or dissertation,” M.S. thesis or Ph.D. dissertation, Name of Department, Name of University, City, Country, Year.

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