



The title is written in Book Antiqua 15 pt font (maximum 12 words; English, Bold, Center-aligned, Capitalize Each Word)

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ABSTRACT

The content of the abstract must summarize the scope/background, objectives, methods, data, results and main conclusions of the paper. Abstract writing in English and Indonesian is written left and right in one paragraph with one space and one column in Californian FB 8-point letters with a maximum word count of 200 words.

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1. Introduction

Articles in *Lattice Journal: Journal of Mathematics Education and Applied* are written in 5,000-8,000 words or 13-17 pages and submitted online in MS Word format saved as “*Word 97-2003 Document*”. Articles are checked for plagiarism using Turnitin, with a maximum similarity of 20%. Articles are also checked for AI-generated content (AI plagiarism), with a maximum AI detection score of 10%. Authors will be asked to revise the manuscript if the similarity exceeds 20% and the AI detection score exceeds 10%. The Introduction contains the background, objectives, scope, and benefits of the research. The Introduction should give a strong justification for the importance of the problem being studied. Use references that support the importance of the research problem (published within the last 10 years, i.e., 2016-2026), and cite at least one relevant article previously published in *Lattice Journal: Journal of Mathematics Education and Applied* to show the link between the manuscript and the scope of the journal. The easiest way to write your paper in the *Lattice Journal* format is to copy and paste your paper into this template. This template will be given to you by the *Lattice Journal* editorial office if your paper is declared publishable, with or without revision. Foreign terms must be written in *italics*. The *page setup* for *Lattice Journal* is *Top* and *Bottom* = 3 cm; *Left* = 2.5 cm; *Right* = 2.5 cm; *Gutter* = 0 cm; *Gutter position* = Left. Use this house style by applying the *styles* or by copying and pasting the formatting to simplify the writing of the article.

The Introduction answers the following questions: (1) the background, (2) a brief literature review of related research, (3) the reason for conducting this research, and (4) the research question or objective. The *state of the art*, *gap analysis*, and *novelty* should be visible here. Avoid discussing general literature reviews and definitions. The article structure consists of Introduction, Method, Results and Discussion, Conclusion, and References.

2. Methods

This section contains the type of research, the time and place of the research, the target, the research subjects, the procedure, the instruments, and the data analysis techniques, as well as other matters related to the research method, and may be written in sub-sections with sub-subheadings. Sub-subheadings do not need to be numbered, but are written in *Century Schoolbook-10*.

3. Results and Discussion

The content of the manuscript is arranged systematically and sequentially. Results and Discussion are not separated. For research articles, the format consists of an Introduction (the background and theoretical review may be combined in the Introduction, if any), Method, Results and Discussion, ending with a Conclusion; suggestions may also be included. For literature review articles, the format consists of an Introduction (the urgency of the study or the background), Method, Review Results and Discussion, and Conclusion.

The Results and Discussion section is the core of an article and is written clearly and must meet the aspects of *scientific merit* (the *what/how?*, *why?*, and *what else?* elements). Present the data obtained clearly and concisely, in the form of tables, figures, or diagrams. In the discussion, authors must compare the research results with relevant and up-to-date theories or other studies. Present the discussion in the order of the research objectives. If the research results differ from other relevant studies, authors need to explain why this occurred. In this section, approximately 15 recent articles (published within the last 10 years) from reputable international journals or accredited national journals should be cited; these are counted within the minimum of 40 references, and at least one of them must be an article from *Lattice Journal: Journal of Mathematics Education and Applied*.

a. Writing Mathematical Equations

Mathematical equations must be numbered consecutively, starting from (1) to the end of the paper, including the appendix. The number must be enclosed in opening and closing parentheses and right-aligned. Add one blank line above and below the equation. The equation size is Full 10 pt. Use the *Insert Equation* feature to write mathematical equations in *math style*.

$$f(x) = ax + b \quad (1)$$

b. Theorems and Lemmas

Theorem 1. *Sections, theorems, lemmas, corollaries, propositions, examples, remarks or notes, figures, and tables must be numbered consecutively for each category. The statements of theorems, lemmas, corollaries, and propositions must be written in italics.*

Proof. The proof has been given.

Figures and Tables

The way to present figures can be seen in Figure 1. If a figure is from a secondary source, the source must be stated. The figure caption is placed below the figure. The figure *layout* does not need to be framed. Figures must be clearly visible and of high resolution. The table caption is given above the table. Captions are written in lowercase, except for the first character of each

sentence. All figures must be numbered consecutively. Figures are placed in the middle of the page (*center alignment*), while tables start at the left margin (*left alignment*) of the page.

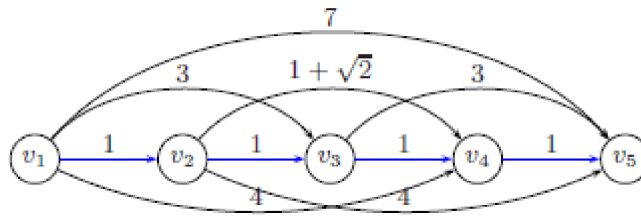


Figure 1. Use a capital letter only at the beginning of the figure name, without a period at the end

Figure 1: The figure caption must be visible below the figure. References to figures, tables, theorems, or lemmas must begin with a capital letter without a separating period, for example, Figure 1 and Table 1 are illustrations of Theorem 1. All accompanying captions are written with a capital letter only at the beginning. Tables and figures must be placed within the *body text* and meet the standard for printing. Figures do not need to be framed.

The table caption must be visible above the table.

Table 1. The table caption is also written with a capital letter only at the beginning as are the headings within the table

Description	First heading	Second heading	First name	Second name
Given name				
Middle name				

4. Conclusion

The Conclusion must not contain references. The Conclusion contains the facts obtained and is sufficient to answer the problem or research objectives (it should not become a discussion again); state possible applications, implications, and speculations as appropriate. If necessary, provide suggestions for further research. State the conclusion in sentences in paragraph form, not in numbered form.

References

References for *Lattice Journal: Journal of Mathematics Education and Applied* are prepared using the Mendeley reference application (<https://www.mendeley.com>) to manage the bibliography. They are written in 9 pt font and follow the IEEE style as in the examples below:

Reference requirements. (1) A minimum of 40 references must be listed. (2) All references must have been published within the last 10 years (2016-2026). (3) At least one reference must be an article published in *Lattice Journal: Journal of Mathematics Education and Applied* (<https://ejournal.uinbukittinggi.ac.id/index.php/lattice>); it must be cited in the text and listed in the References.

Examples of Reference Writing

- Journal article
- [1] Harris, M., Karper, E., Stacks, G., Hoffman, D., DeNiro, R., Cruz, P., et al. (2001). Writing labs and the Hollywood connection. *Journal of Film Writing*, 44(3), 213–245.

- Article by DOI
[2] Umar, M. I. A., Faizil, N., Umar, A. A., & Saad, S. K. M. (2020). Synthesis and Characterization of TiO₂ Semiconductor Doped by AgNO₃ and Their Application as Photoanode in Dye-sensitized Solar Cells. *Lensa: Jurnal Kependidikan Fisika*, 8(1), 1–8. <https://doi.org/10.33394/j-lkf.v8i1.2728>
- Book
[3] Calfee, R. C., & Valencia, R. R. (1991). APA guide to preparing manuscripts for journal publication. Washington, DC: American Psychological Association.
- Book chapter
[4] O'Neil, J. M., & Egan, J. (1992). Men's and women's gender role journeys: Metaphor for healing, transition, and transformation. In B. R. Wainrib (Ed.), *Gender issues across the life cycle* (pp. 107–123). New York: Springer.
- Online document
[5] Abou-Allaban, Y., Dell, M. L., Greenberg, W., Lomax, J., Peteet, J., Torres, M., & Cowell, V. (2006). Religious/spiritual commitments and psychiatric practice. Resource document. American Psychiatric Association. http://www.psych.org/edu/other_res/lib_archives/archives/200604.pdf. Accessed 25 June 2007.
- Lattice Journal article (at least one required)
[6] Hasibuan, L. H. (2026). A Comparative Study of Quantile Regression and Bayesian Quantile Regression for Modelling Tuberculosis Cases in West Sumatra. *Lattice Journal: Journal of Mathematics Education and Applied*, 6(1), 16-29. <https://doi.org/10.30983/lattice.v6i1.11113>