Full Title of the Manuscript Written Here: Should Not Exceed 15 Words and Capitalize Each Word

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ABSTRACT

The abstract should be clear, concise, and descriptive. It should briefly introduce the research problem and background, state the research objectives, describe the methodology used, summarize the main findings, and end with the significance of the results or a brief conclusion. The abstract must be written in English, using Bookman Old Style 11pt, and should not exceed 200 words. No citations should appear in the abstract. Avoid technical jargon and uncommon abbreviations.

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MANUSCRIPT FORMATTING GUIDE

This template is designed to assist authors in preparing manuscripts for LOGARITHMA: Journal of Research in Mathematics Education. Please Save As this file and paste your content here using Paste Special → Unformatted Text. Manuscripts must be written in English, represent original work, and must not be under simultaneous consideration for publication elsewhere.

General Formatting

Manuscripts should be typed using Microsoft Word or OpenOffice. The font used throughout the paper is Bookman Old Style (BOS), 11pt. Paper size is A4 (210 × 297 mm), single-column format, with 2.5 cm margins on all sides. Line spacing is 1.15. Paragraphs are justified with a 1.25 cm first-line indent. The recommended manuscript length is 6,000–8,000 words (approximately 10–15 pages). Page

numbers are placed in the footer of each page. Avoid the use of first-person pronouns (I, we, etc.).

Section Headings

Three levels of heading are used in this journal as follows:

Level	Format	Example	Used for
Heading 1	12pt, Bold, UPPERCASE	1. INTRODUCTION	Main sections
Heading 2	11pt, Bold	1.1 Research Background	Sub-sections
Heading 3	11pt, Bold Italic	1.1.1 Theoretical Framework	Sub-sub-sections

Examples of each heading level:

1. INTRODUCTION ← THIS IS HEADING 1 (12PT, BOLD, UPPERCASE)

1.1 Research Background ← This is Heading 2 (11pt, Bold)

1.1.1 Theoretical Framework ← This is Heading 3 (11pt, Bold Italic)

Body text paragraph continues here after the sub-sub-section heading. Indent the first line 1.25 cm. Justify all body text. Font is Bookman Old Style 11pt with 1.15 line spacing.

Bullet Lists and Numbered Lists

Use bullet lists for unordered items and numbered lists for sequential or ranked items. Two levels of bullet are allowed. Each list item should end with a semicolon (;), except the last item which ends with a full stop (.).

Example of bullet list (Level 1 and Level 2):

- This is a first-level bullet item — used for main points;
- This is another first-level bullet item, with sub-items below:
  - This is a second-level (sub-bullet) item;
  - This is another second-level item — indent further than Level 1.
- This is the last first-level bullet item.

Example of numbered list:

1. First step or first point in a sequential process;
2. Second step — numbered lists are used when order matters;
3. Third step — each item is indented 1.25 cm from left margin.

Units, Abbreviations, and Symbols

Metric (SI) units are preferred throughout the manuscript. Abbreviations and symbols must be defined the first time they appear in the text, with the abbreviated form given in parentheses immediately after the full term. Once defined, the abbreviation may be used consistently throughout the remainder of the paper. Do not use abbreviations in the abstract unless the abbreviation appears again in the body text.

Examples:

Category	Example (first use)	Subsequent use
Abbreviation	Realistic Mathematics Education (RME)	RME
SI Unit (length)	15 centimetres (cm)	15 cm
SI Unit (mass)	200 grams (g)	200 g
Statistical symbol	Analysis of Variance (ANOVA)	ANOVA
Mathematical symbol	Define n as the sample size	n

Note. SI = International System of Units.

Complete Formatting Specification

Table 1. Formatting specification for all manuscript elements

Element	Font	Alignment	Spacing	Line Spacing
Title	14pt, BOS, Bold	Left	24pt before, 12pt after	1.15
Author(s)	11pt, BOS, Bold	Left	0pt before, 6pt after	Single
Affiliation	10pt, BOS	Left	0pt before, 3pt after	Single
Heading 1	12pt, BOS, Bold, UPPERCASE	Left	14pt before, 5pt after	1.15
Heading 2	11pt, BOS, Bold	Left	9pt before, 3pt after	1.15
Heading 3	11pt, BOS, Bold Italic	Left	6pt before, 3pt after	1.15
Body Text	11pt, BOS	Justified	0pt before, 5pt after	1.15
Table Title	11pt, BOS, Bold	Center	6pt before, 4pt after	Single
Figure Caption	11pt, BOS	Center	4pt before, 6pt after	Single
References	11pt, BOS	Justified	0pt before, 5pt after	Single

Note. BOS = Bookman Old Style.

1. INTRODUCTION

In the Introduction, authors should provide adequate background and a concise literature review to: (1) summarize existing solutions or methods; (2) identify the best prior research; (3) highlight limitations of previous studies; (4) explain what this study aims to achieve; and (5) articulate the scientific novelty of the work. State the research objectives clearly at the end of this section. Avoid an extensive literature survey or premature summary of results.

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learning and cognition, instructional design and innovation, assessment and evaluation, technology-enhanced mathematics education, and ethnomathematics.

2. METHODS

The Methods section should be sufficiently detailed to allow the work to be reproduced by a qualified reader. Only new methods need to be described in detail; previously published procedures should be cited and only relevant modifications described. Describe the research design, participants or data sources, instruments, data collection procedures, and analysis techniques.

2.1 Research Design

Describe the overall research design (e.g., qualitative, quantitative, mixed methods, design research, experimental). Justify the choice of design in relation to the research objectives.

2.2 Participants and Setting

Provide details of participants (number, age, grade level, selection criteria) and the research setting. Include ethical considerations where applicable, including any ethical clearance obtained.

2.3 Data Collection and Analysis

2.3.1 Instruments

Describe the instruments used (e.g., tests, questionnaires, interview protocols, observation sheets), including evidence of validity and reliability.

2.3.2 Analysis Procedures

Explain the data analysis procedures in sufficient detail, including any software used. For quantitative data, report the statistical tests applied and the level of significance.

3. RESULTS AND DISCUSSION

The Results section should present the scientific findings clearly and concisely, supported by data presented in figures, tables, and text. Highlight differences between your results and findings from previous studies.

The Discussion should interpret the results rather than repeat them. Address: (1) How do the results relate to the research objectives? (2) What scientific interpretation can be given for each finding? (3) Are the results consistent with or different from those reported by other researchers?

Table 2. Example of a results table (table title placed above)

Group	n	Mean	Std. Deviation	p-value
Experimental	32	82.5	7.34	< .001
Control	30	71.2	8.91	

Note. n = sample size.

Figures are sequentially numbered, with the caption placed below the figure. All figures must be clear and legible. Black & white or colour figures are both acceptable. Refer to figures in the text by number (e.g., Figure 1).

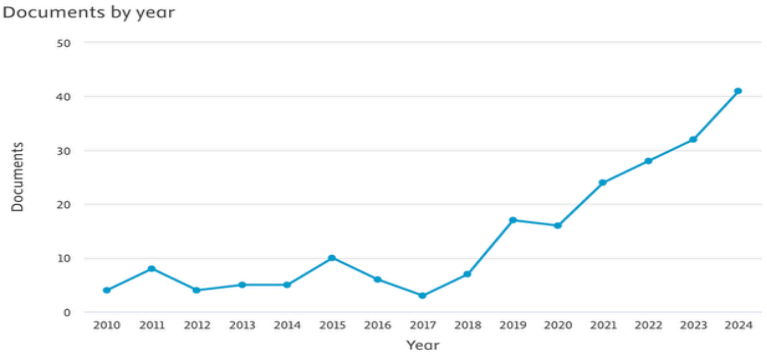


Figure 1. Publication of articles per year (10pt, BOS, centered, placed below figure)

Equations must be prepared using MS Equation Editor or MathType — not as images. Number equations serially in parentheses at the right margin. Refer to equations as Equation (1), Equation (2), etc.

$$f(x) = ax^2 + bx + c \quad (1)$$

4. CONCLUSION

The Conclusion should directly answer the research objectives stated in the Introduction. Explain how the work advances the field. Do not simply repeat the abstract or list experimental results. Provide clear scientific justification, indicate possible applications and extensions, and suggest future research directions.

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DECLARATIONS

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Data Availability: Data supporting the findings of this study are available on request from the corresponding author.

Additional Information: Additional information is available for this paper.

REFERENCES

*All references must be cited in the text using **APA 7th Edition style**. References should be listed in alphabetical order by the first author's last name. The minimum number of references is 27, with at least 80% from publications within the last 10 years. Include the DOI or accessible URL for each reference. Use a reference management tool such as Mendeley or Zotero.*

Journal Article:

Prahmana, R. C. I., Sagita, L., Hidayat, W., & Utami, N. W. (2020). Two decades of realistic mathematics education research in Indonesia: A survey. Infinity Journal, 9(2), 223–246. https://doi.org/10.22460/infinity.v9i2.p223-246

Hodiyanto, H., Budiarto, M. T., Ekawati, R., Susanti, G., Kim, J., & Bongtiwon, D. M. R. (2025). Trends of abstraction research in mathematics education: A bibliometric analysis. Infinity Journal, 14(1), 125–142. https://doi.org/10.22460/infinity.v14i1.p125-142

Hodiyanto H,, Budiarto, M. T., Ekawati, R., Susanti, G., Jeonghyeon, K., & Bonyah, E. (2024). How abstraction of a pre-service teacher in constructing relationships among quadrilaterals. Journal on Mathematics Education, 15(2), 337–360. https://doi.org/10.22342/jme.v15i2.pp339-362

Book:

Freudenthal, H. (1991). Revisiting mathematics education: China lectures. Kluwer Academic Publishers.

Book Chapter:

Santos-Trigo, M. (2019). Mathematical problem solving and the use of digital technologies. In P. Liljedahl & M. Santos-Trigo (Eds.), Mathematical problem solving: Current themes, trends, and research (pp. 63–89). Springer. https://doi.org/10.1007/978-3-030-10472-6_4

Conference Proceeding:

Author, H. H. (2022). Title of conference paper. In Title of Proceedings: Vol. X (pp. xx–xx). Publisher. https://doi.org/10.xxxxx/xxxxxxx

Thesis / Dissertation:

Zulkardi. (2002). Developing a learning environment on realistic mathematics education for Indonesian student teachers [Doctoral dissertation, University of Twente]. University of Twente Repository. https://doi.org/10.xxxxx/xxxxxxx

Report / Technical Document:

Author, I. I., & Author, J. J. (2021). Title of report (Technical Report No. XXX). Name of Institution. https://url