

WRITING GUIDE

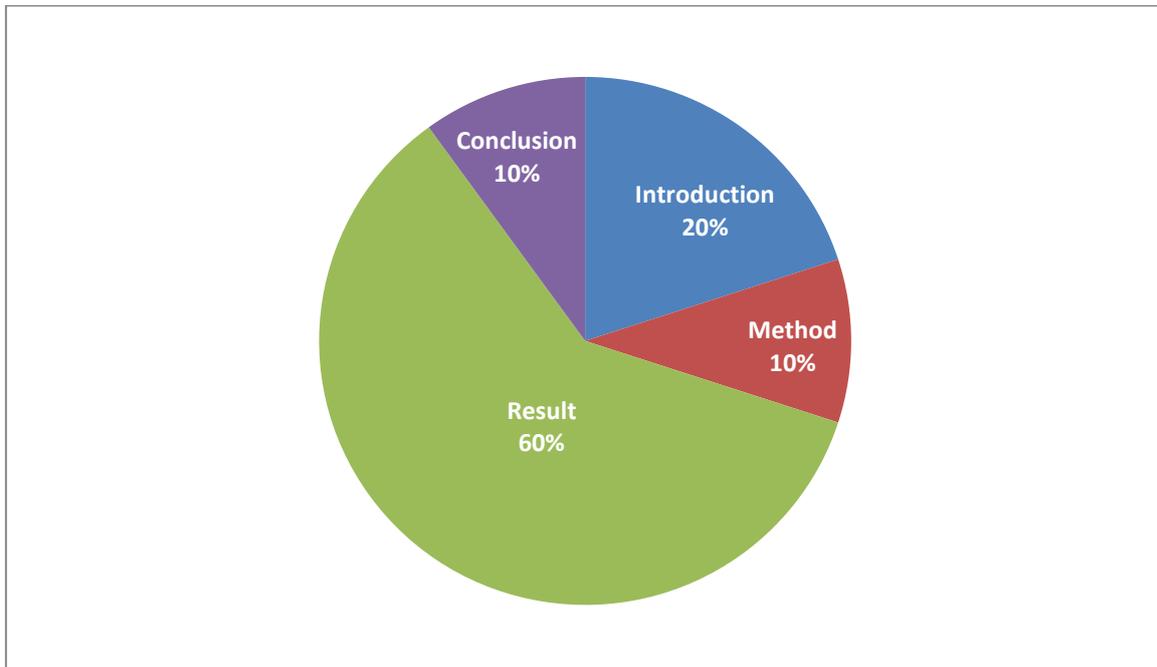
IMTECH: JOURNAL OF INSTRUCTIONS, MEDIA AND TECHNOLOGY EDUCATION

A. GENERAL

IMTECH Journal is a manuscript based on the results of the latest research or development in the field of education, both with quantitative and qualitative approaches. The subjects involved can come from early childhood education up to tertiary levels, both formal, informal, and non-formal education pathways.

The contents of the manuscript are written in Indonesian or English. Language and grammar are among the accepted texts. The author is advised to check carefully and if necessary use the services of proofreaders. Authors are required to avoid plagiarism of other people's work (plagiarism) except in justified ways. The Editor of the IMTECH Journal checks the level of similarity of each text using plagiarism software and only tolerates no more than **20%**.

In total, article bodies number between **3,000 - 8,000** words, including titles, abstracts and references. Typing articles using Microsoft Word software with 1.5 line spacing, Times New Roman font size 12, and in one column to facilitate the review process, as well as in .doc, .docx, or .rtf format (not in pdf format). The page number does not need to be written down. The article body consists of four main parts, namely the introduction, methods, results and discussion, and conclusions. The weighting length per section is shown in Figure 1.



B. FORMAT OF ARTICLE

TITLE OF ARTICLE, BRIEF AND CONCISE, ARTICULATING CONTENTS (Centre, Bold, Times New Roman 12, Maximum of 13 words)

First Author^{1*}, Second Author¹, & Third Author² (Full names without titles)

¹University/Institution of First Author, Country

²University/ Institution of Second Authors, Country

*e-mail: author@email.ac.id

Abstract: Abstract must reflect the substance of the whole contents of the article and enable to help readers to determine relevance with their interest and decide whether or not to read the full document. The abstract consists of a statement about the background, objective of the study or focus of discussion, method or important research steps, findings and discussion, and conclusion. Title and abstract are written in Indonesian and English, each in one paragraph, single spacing, and in total about 150-200 words.

Keywords: *listing important terms, enabling readers to find the article, 3-5 terms, written below Abstract, bold face and italicized.*

INTRODUCTION

Containing backgrounds of the problem, depiction and further scrutiny of the problem or the gap between what is idealized and what is the reality, supported by relevant theories and recent research, and objective of the study. The problem should offer a new research value or benefit as an innovative endeavour, written more or less 20% of the whole body including the title and abstract.

METHODS

This section must be written out briefly, concisely, clearly, but adequately so that it can be replicated. This section contains explanation of the research approach, subjects of the study, conducts of the research procedure, use of materials and instruments, data collection and analysis techniques. These are not theories. In the case of statistical uses, formulas that are generally known should **not** be written down. Any specific criteria used by the researcher in collecting and analyzing the research data should be completely described. This section should be written not more than 10% (for qualitative research) or 15% (for quantitative research) of the body.

FINDINGS AND DISCUSSION

For ease of reading and comprehension, findings are presented first followed by discussion. The Findings sub-title and Discussion sub-title are presented separately. This section should occupy the most part, minimum of 60%, of the whole body of the article.

Findings

Results of data analyses can be presented in tables, graphs, figures or any combination of the three. Tables, graphs, or figures should not be too long, too large, nor too many. The author is advised to use decent variation in presenting tables, graphs, or verbal description. All displayed tables and graphs should be referred to in the text. The format of tables is shown in Table 1. Tables do not use column (vertical) lines and row (horizontal) lines are used only for the head and tail of the table. The font of the table entry may be reduced. Figures in the table should not be over-repeated in the narration before or after the table.

Tabel 1. Length Weight of Sections

No.	Name	Length in Per cent	Notes
1.	Introduction	20	Maksimum (incl. title and abstract)
2.	Method	10	Up to 15% for quantitative research.
3.	Findings and Discussion	60	Minimum
4.	Conclusion and References	10	Approx.

Figures are written in the following format. For scripts written in Indonesian, thousands are written out using periods; for example: 1200300 is written as 1.200.300. Decimal points are marked with a comma followed by two number digits; e.g.: 12,34. For figures lower than 1, the zero must be written; e.g.: 0,12.

For scripts written in English, thousands are marked using commas; e.g.: 1200300 is written as 1,200,300. Decimal points are marked with a period followed by two number digits; e.g.: 12.34. For figures lower than 1, the zero is not needed; e.g.: .12.

For mathematical symbols or notations, the alphabet is italicized, but Greek letters are written upright using the correct symbols. The equal sign is given a punch space before and after; e.g. (English format): $r = .456$; $p = .008$. For statistical values having degrees of freedom such as t , F , atau Z , the figure of the degree of freedom is written in braces such as $t(52) = 1.234$; $F(1, 34) = 4.567$. Statistical calculation for hypothesis testing should be completed with effect sizes; for example: the t -test using *cohen's d*, the F -test using *partial eta squared*, or other post-hoc tests in line with the references under consideration.

For qualitative research, data from interviews, observations, text interpretations, etc. are condensed or summarized into brief substantial resume or summary to be reported. These substantial findings can be presented in descriptive tables to facilitate ease of reading. Excerpts or extracts from interviews, observation results, texts, and others containing answers to research questions are presented in the discussion as authentic evidence.

Discussion

Intended to give interpretation and meaning to the results of the study in accordance with the theories and references that are used. It is not merely used to present findings. Interpretation should be enriched with referencing, comparing, or contrasting with findings of previous research published in reputable, not predatory, journal. It is advisable to integrate findings into collection of theories or established knowledge, development of a new theory, or modification of existing theories. Implications of the research findings are given.

Quoting

Referencing in the body of the article uses braces: (...); an example with one author: (Retnowati, 2018); two authors: (Nurgiyantoro & Efendi, 2017), and three to five authors: (Retnowati, Fathoni, & Chen, 2018) for the first mention and (Retnowati *et al.*, 2018) for the subsequent mentions. Names of authors can also be mentioned outside the braces; e.g.: Nurgiyantoro & Efendi (2017) in accordance with the writing style. For direct quotation or particular facts, the page number (numbers) is needed; e.g.: (Nurgiyantoro & Efendi, 2017: 144), (Nurgiyantoro & Efendi, 2017: 144-146).

It is advised not to use too many direct quotations. Should one be used, however, it is written in the ("...") format in the paragraph for quotation of fewer than 40 words. For a direct quotation of more than 40 words, it is written in a separate block (outside the paragraph), half an inch indented from the left margin, with no quotation marks, and followed by (name of the author, year: page number).

For a core statement taken from a number of references, all the sources should be acknowledged in an alphabetical order using a semicolon (;); e.g. (Sahlberg, 2012; Schunk, 2012;

Retnowati, Fathoni, & Chen, 2018). For translated sources, author of the source book, year of the translation, and title of the source book are mentioned. In the case of referencing two sources with the same author and year, the lower-case letters are used after the year; e.g.: (Schunk, 2012a) and Schunk (2012b).

CONCLUSION

Conclusion is intended not only to repeat findings. It contains substantialization of meaning. It can present a statement of what is being expected as proposed in the “Introduction” and what has happened as reported in the “Findings and Discussion” so that there is compatibility. An addition can be made concerning the prospects of enriching the research findings and developing the potentials for future research.

ACKNOWLEDGMENTS

Intended to pay gratitude to sponsors, fund bearers, resource persons, and other parties that have important roles in the study. The author needs to ask for permission from persons or institutions for mentioning them in the acknowledgements. Editors need not be acknowledged.

REFERENCES

Reference entry is arranged in the alphabetical order. All that are referred to in the text must be listed in the reference list and all that are written in the reference list must be referred to in the text. It is advisable to use journal articles as reference sources rather than books or proceedings. The author is obliged to list all the references in the valid way according to the original sources and DOI (*digital object identifier*), particularly for entries from journals. In the case of cities of publication, differences should be made in writing cities of the USA and cities outside the USA. For example, cities in the USA are listed together with the initials of the state; e.g.: for Boston of Massachusetts: Boston, MA.

Examples of reference entries:

(Type: book, *author* = publisher)

American Psychological Association. (2019). *Publication manual of the American Psychological Association* (7th Ed.). Washington, DC: Author.

(Type: *e-book*)

Bransford, J. D., Brown, A. L., & Cocking, R. R. (2005). *How people learn: Brain, mind, experience and school*. <https://www.nap.edu/catalog/9853/how-people-learn-brain-mind-experience-and-school-expanded-edition>.

(Type: *edited book*, two editors or more)

Tobias, S., & Duffy, T. M. (Eds.). (2009). *Constructivist instruction: Success or failure?* New York, NY: Routledge.

(Type: *book section*)

Sahlberg, P. (2012). The most wanted: Teachers and teacher education in Finland. In L. Darling-Hammond & A. Lieberman (Eds.). *Teacher education around the world: changing policies and practices*. London: Routledge, pp. 22-44.

(Type: book, one author)

Schunk, D. H. (2012a). *Learning theories an educational perspective*. Boston, MA: Pearson Education.

(Type: book, in English translated into Indonesian, original title intact)

Schunk, D. H. (2012b). *Learning theories: An educational perspective* (E. Hamdiah & R. Fajar, Trans.). Yogyakarta: Pustaka Pelajar. (Original work published 2012).

(Type: **book, Indonesian, not translation, original title retained, followed by translation**)

Nurgiyantoro, B., Gunawan, G., & Marzuki, M. (2017). *Statistik terapan untuk penelitian ilmu sosial*. [Applied statistics for social science research]. Yogyakarta: Gadjah Mada University Press.

(Type: book, two authors)

Tabachnick, B. G., & Fidell, L. S. (2007). *Using multivariate statistics* (Fifth ed.). Needham Heights, MA: Allyn & Bacon.

(Type: journal article, *online*)

Nurgiyantoro, B. & Efendi, A. (2017). Re-Actualization of puppet characters in modern Indonesian fictions of the 21st century. *3L: The Southeast Asian Journal of English Language Studies*, 23(2), 141-153. doi: 10.17576/3L-2017-2302-11.

(Type: journal article, three authors)

Retnowati, E., Fathoni, Y., & Chen, O. (2018). Mathematics problem solving skill acquisition: learning by problem posing or by problem solving? *Cakrawala Pendidikan*, 37(1), 1-10. doi: 10.21831/cp.v37i1.18787.

(Type: journal article, 3-7 authors, all full names written)

Booth, J. L., McGinn, K. M., Young, L. K., & Barbieri, C. (2015). Simple practice doesn't always make perfect: Evidence from the worked example effect. *Policy Insights from the Behavioral and Brain Sciences*, 2(1), 24–32. doi: 10.1177/2372732215601691.

(Types: prosiding)

Retnowati, E. (2012, 24-27 November). *Learning mathematics collaboratively or individually*. Paper presented at the The 2nd International Conference of STEM in Education, Beijing Normal University, China. http://stem2012.bnu.edu.cn/data/short%20paper/stem2012_88.pdf.

(Type: document, report: institution, government, organization)

NCTM (National Council of Teachers of Mathematics). (2000). *Principles and standards for school mathematics*. Reston, VA: Author.

(Type: document, legal texts, original terms written followed by translation)

Permendiknas RI 2009 No. 22. *Kompetensi dasar pendidikan pancasila dan kewarganegaraan Sekolah Dasar Kelas I-VI*. [Basic competence for pancasila and civil education Primary School Grade I-VI].

Appendix

Appendixes are optional. An appendix should not be longer than two pages.