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ARTICLE INFO

Article history

Received
Revised
Accepted

Keywords: , , ,

Kata Kunci: Kata Kunci_1, Kata Kunci_2, Kata Kunci_3, Kata Kunci_4, Kata Kunci_5

ABSTRACT (10pt)

Type your abstract here (10 pt). The abstract must be containing on preface, purpose, method, result, and implication from the research.

ABSTRAK (10pt)

Tulis Abstrak dalam bahasa Indonesia (10 pt). Abstrak diharapkan berisikan tentang latar belakang, tujuan, metode, hasil, dan implikasi dari penelitian.

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1. Introduction (*Heading 1*) (bold, 11 pt)

The introduction is of prime importance in grabbing the reader's attention. The researcher should start by explaining briefly, using appropriate references, what is already known about this subject, the reason that prompted to undertake a research should be clear to the reader, logically flow towards the identification of the gap in knowledge that you hope to fill, the novelty of the research, the objective and benefits of the research.

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2. The Proposed Method/Algorithm (**Optional**) (bold, 11 pt)

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First, confirm that you have the correct template for your paper size. This template has been tailored for output on the A4 paper size. If you are using US letter-sized paper, please close this file and download the file "MSW_USltr_format".

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Define abbreviations and acronyms the first time they are used in the text, even after they have been defined in the abstract. Abbreviations such as IEEE, SI, MKS, CGS, sc, dc, and rms do not have to be defined. Do not use abbreviations in the title or heads unless they are unavoidable.

3.2. Units

- Use either SI (MKS) or CGS as primary units. (SI units are encouraged.) English units may be used as secondary units (in parentheses). An exception would be the use of English units as identifiers in trade, such as “3.5-inch disk drive.”

- Avoid combining SI and CGS units, such as current in amperes and magnetic field in oersteds. This often leads to confusion because equations do not balance dimensionally. If you must use mixed units, clearly state the units for each quantity that you use in an equation.

- Do not mix complete spellings and abbreviations of units: “Wb/m²” or “webers per square meter,” not “webers/m².” Spell units when they appear in text: “...a few henries,” not “...a few H.”

- Use a zero before decimal points: “0.25,” not “.25.” Use “cm³,” not “cc.” (*bullet list*)

3.3. Some Common Mistakes

- The word “data” is plural, not singular.

- The subscript for the permeability of vacuum μ_0 , and other common scientific constants, is zero with subscript formatting, not a lowercase letter “o.”

In American English, commas, semi-/colons, periods, question and exclamation marks are located within quotation marks only when a complete thought or name is cited, such as a title or full quotation. When quotation marks are used, instead of a bold or italic typeface, to highlight a word or phrase, punctuation should appear outside of the quotation marks. A parenthetical phrase or statement at the end of a sentence is punctuated outside of the closing parenthesis (like this). (A parenthetical sentence is punctuated within the parentheses.)

- A graph within a graph is an “inset,” not an “insert.” The word alternatively is preferred to the word “alternately” (unless you really mean something that alternates).

- Do not use the word “essentially” to mean “approximately” or “effectively.”

- In your paper title, if the words “that uses” can accurately replace the word using, capitalize the “u”; if not, keep using lower-cased.

- Be aware of the different meanings of the homophones “affect” and “effect,” “complement” and “compliment,” “discreet” and “discrete,” “principal” and “principle.”

- Do not confuse “imply” and “infer.”
 - The prefix “non” is not a word; it should be joined to the word it modifies, usually without a hyphen.
 - There is no period after the “et” in the Latin abbreviation “et al.”
 - The abbreviation “i.e.” means “that is,” and the abbreviation “e.g.” means “for example.”
- An excellent style manual for science writers is [7].

4. Results and Discussion

The aim of the result is to describe what you have observed, without commentary or discussion. The researcher should describe details of the result observed, referring to the relevant tables or figures is better.

In Discussion the researcher should explain and interpret the significance of the results, and how they fit into the wider picture of what has already been observed and reported on the same topic. The dialogue between the result and concept or theory known before, should be analyzed by the researcher. The researcher should briefly explain the novelty of the research, underlining how the findings yield new evidence or a new contribution to the state of the knowledge.

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4.1. Authors and Affiliations

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Headings, or heads, are organizational devices that guide the reader through your paper. There are two types: component heads and text heads.

Component heads identify the different components of your paper and are not topically subordinate to each other. Examples include ACKNOWLEDGMENTS and REFERENCES, and for these, the correct style to use is “Heading 5.” Use “figure caption” for your Figure captions, and “table head” for your table title. Run-in heads, such as “Abstract,” will require you to apply a style (in this case, italic) in addition to the style provided by the drop down menu to differentiate the head from the text.

Text heads organize the topics on a relational, hierarchical basis. For example, the paper title is the primary text head because all subsequent material relates and elaborates on this one topic. If there are two or more sub-topics, the next level head (uppercase Roman numerals) should be used and, conversely, if there are not at least two sub-topics, then no subheads should be introduced. Styles named “Heading 1,” “Heading 2,” “Heading 3,” and “Heading 4” are prescribed.

4.3. Figures and Tables

Positioning Figures and Tables: Place figures and tables at the top and bottom of columns. Avoid placing them in the middle of columns. Large figures and tables may span across both columns. Figure captions should be below the figures; table heads should appear above the tables. Insert figures and tables after they are cited in the text. Use the abbreviation “Fig. 1,” even at the beginning of a sentence.

Table 1. Table Styles

Table Head	Table Column Head		
	<i>Table column subhead</i>	<i>Subhead</i>	<i>Subhead</i>
copy	More table copy ^a		

^aSample of a Table footnote. (*Table footnote*)



Fig. 1. Example of a figure caption. (*figure caption*)

Figure Labels: Use 10 point Times New Roman for Figure labels. Use words rather than symbols or abbreviations when writing Figure axis labels to avoid confusing the reader. As an example, write the quantity “Magnetization,” or “Magnetization, M,” not just “M.” If including units in the label, present them within parentheses. Do not label axes only with units. In the example, write “Magnetization (A/m)” or “Magnetization (A (m(1),” not just “A/m.” Do not label axes with a ratio of quantities and units. For example, write “Temperature (K),” not “Temperature/K.”

5. Conclusion

Provide a statement that what is expected, as stated in the "Introduction" chapter can ultimately result in "Results and Discussion" chapter, so there is compatibility. Moreover, it can also be added to the prospect of the development of research results and application prospects of further studies into the next (based on result and discussion).

Acknowledgment (*HEADING 5*)

The preferred spelling of the word “acknowledgment” in America is without an “e” after the “g.” Avoid the stilted expression “one of us (R. B. G.) thanks ...”. Instead, try “R. B. G. thanks...”. Put sponsor acknowledgments in the unnumbered footnote on the first page.

References

The reference section lists all the sources used as a basis to prepare the article and build the research. The researchers should use Mendeley, Zotero, or Endnote with IEEE style.

The template will number citations consecutively within brackets [1]. The sentence punctuation follows the bracket [2]. Refer simply to the reference number, as in [3]—do not use “Ref. [3]” or “reference [3]” except at the beginning of a sentence: “Reference [3] was the first ...”

Number footnotes separately in superscripts. Place the actual footnote at the bottom of the column in which it was cited. Do not put footnotes in the reference list. Use letters for table footnotes.

Unless there are six authors or more give all authors’ names; do not use “et al.”. Papers that have not been published, even if they have been submitted for publication, should be cited as “unpublished” [4]. Papers that have been accepted for publication should be cited as “in press” [5]. Capitalize only the first word in a paper title, except for proper nouns and element symbols.

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- [1] G. Eason, B. Noble, and I.N. Sneddon, "On certain integrals of Lipschitz-Hankel type involving products of Bessel functions," *Phil. Trans. Roy. Soc. London*, vol. A247, pp. 529-551, April 1955. (*references*)
- [2] J. Clerk Maxwell, *A Treatise on Electricity and Magnetism*, 3rd ed., vol. 2. Oxford: Clarendon, 1892, pp.68-73.
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- [4] K. Elissa, "Title of paper if known," unpublished.
- [5] R. Nicole, "Title of paper with only first word capitalized," *J. Name Stand. Abbrev.*, in press.
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- [7] M. Young, *The Technical Writer's Handbook*. Mill Valley, CA: University Science, 1989.

Supplementary Material

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