Volume 8 Number 1 April 2023

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Url: https://jurnal.sttw.ac.id/index.php/jte

TECHNICAL JOURNAL ARTICLE ALIGN TEXT CENTER, TIMES NEW ROMAN 14 pt, BOLD, UPPERCASE, SINGLE **SPACE**

First Author Name1*, Second Author Name2, etc (Calibri 11 pt, Bold, Without a Degree)

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Example:

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ABSTRACT

The Abstract contains the essence in the form of important information regarding the background, research objectives, research methodology, and research results. Abstracts are written in Indonesian and English. Abstracts are written using Times New Roman 10 pt with single spacing. If using Indonesian, foreign terms must be written in italics. The minimum number of words in the Abstract is 150, and the maximum is 300. Abstracts can be created directly in this column.

Keywords (Times New Roman 10 pt, Bold): word 1; word 2; word 3 (minimum three words, maximum six words).

1. INTRODUCTION I TIMES NEW ROMAN 12 pt, UPPERCASE, BOLD

The manuscript is written in English with a writing format using Times New Roman size 11 pt, and space 1. The entire manuscript is published in one column. The distance between the title name of the section and the previous section is 18 points, and with the content is 8 points. The content of the manuscript at least contains Introduction, Methods, Results, Discussion, Conclusion, Acknowledgements (if any), and Bibliography (references) used. Paragraphs are spaced before and after 0 pt. Each paragraph is written one cm inward (indent 1 cm), and the manuscript is left-right aligned (justified).

The paper size used in this manuscript is A4 (210 x 297 mm), with a top margin of 30 mm, bottom 30 mm, left 40 mm, and right 30 mm. Make sure the article follows the writing format in this template. The maximum number of pages for each paper is 10 pages. The article is saved in MS Word compatibility mode, namely Microsoft Word 97-2003 format. Writing that does not follow the format in the template and is not in MS **Word compatibility mode** may cause the article to be returned to the author.

The content of the introduction includes information about the background of the problem, a literature review, and a summary of any similar research that has been done. All background information gathered from other sources must be cited. Citation itself consists of direct and indirect citation. Direct quoting is like in the following sentence,

which exemplifies quoting from a book. According to Brockwell et al. [1], the Monte Carlo method through Markov chains can be on. Meanwhile, indirect quoting is as follows: several researchers gave the same conclusion [2-5].

2. METHODS

The typeface is always consistent, using Times New Roman 11 pt for body text and 12 pt all capitals for chapters, while sub-chapters are capitalised only at the beginning of the word. This chapter contains essential research data, equipment used, and research locations. The research method used can be a brief paragraph or presented in the form of a flow chart.

If an image is displayed, it should use a minimum image quality of 300 dpi (dots per inch) to be clearly visible. The image is placed in the centre (*centre text*) and given a description underneath using Times New Roman 10 pt as in Figure 1. The image's title is written in bold (**Figure 1.**). Figure explanation is also written in the narrative. Figure numbering must be in order starting from Figure 1, Figure 2, etc; not Figure 1.1, Figure 2-4, etc. The distance between the figure and the figure caption with the paragraph before or after is 18 points, while the distance between the figure and the figure caption is 3 points.



Figure 1. Image description (Times New Roman 10 pt, Sentence case)

If a table is included, then note Table 1. Table writing must be explained in the manuscript narrative. Table contents are written in centre text using Calibri 10 pt (to distinguish the letter 1 from the number 1). If the data is a fractional number, it is written using a comma separator (,), and numbers in thousands are separated by a period (.). Table title is placed above the table and written in centre text. Table numbering is sequenced starting from Table 1, Table 2, etc, not Table 1.1, Table 3-2, etc. The lines used in the table are only horizontal lines, while vertical lines are omitted. The distance between the table title and the preceding paragraph is 18 points, while the distance between the table title and the table is 3 points.

Table 1. Table Title (Times New Roman 10 pt, Center, Sentence case)

Month	Consumption (kWh)	Cost (Rp)
January	10,5	2.000.000
February	11,0	2.500.000
March	7,8	1.400.000
April	4,5	1.050.000

2.1. Subpart 1

If there is a formula/equation in the writing, it is written as in equation (1). The equation is placed by giving a distance of 3 cm from the line before and after it (*Before Text* and *After Text*: 3 cm). The paragraph between before and after the equation is spaced 18 points. The equation must be ordered using numbers (1), (2), (3), etc., not in (1.1), (1.2), (2.1), (2.2), and so on.

$$a = b + c_1 \tag{1}$$

Description:

a is a variable that is italicised (italic),

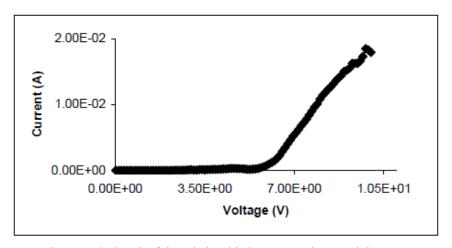
b is the second variable,

 c_1 is the third variable.

3. RESULTS AND DISCUSSION

Research results can be in the form of experimental/testing/observation data. The content of the discussion is to reveal significant results of the author's work or research. Try to avoid repetition in the discussion in each paragraph. Compare the results of the research conducted with previous research, explain the differences and similarities with previous research. The discussion of the author's research results is more detailed than the citation and discussion of other articles.

There are no standardised rules for the appearance of graphics; however, graphics must be clear, and the text must be legible (font size >= 8 pt).



Gambar 2. Graph of the relationship between Voltage and Current

4. CONCLUSION

The main conclusion of this research can be presented in the form of a brief conclusion in paragraph form related to the results and discussion.

ACKNOWLEDGEMENTS

In this section, the researcher expresses gratitude to those (individuals or organisations) who have contributed to the research (if any). This section is optional, meaning that it can be included or not.

BIBLIOGRAPHY

The bibliography is placed at the end of the article. All references cited in the manuscript must appear in the bibliography and vice versa. The references submitted as citations in this manuscript are mainly in the form of reputable journal or proceedings articles in the last 5 years and number at least 15. Please use Reference Manager applications, such as Mendeley, EndNote, and others. The citation and bibliography format uses the IEEE (Institute of Electrical and Electronics Engineers) standard. An example of writing a bibliography based on IEEE standards is as follows:

1. Article in Journal

Author's name (first name and then abbreviated followed by a period and then followed by the last name without abbreviations, titles do not need to be written), Title of the article (italicized if using foreign languages, Title case and given quotation marks at the beginning and end of the title), Journal name, volume, number, page. month and year of publication.

Example:

[1] H. B. Birgin, A. D'Alessandro, A. Corradini, S. Laflamme, and F. Ubertini, "Self-sensing asphalt composite with carbon microfibers for smart weigh-in-motion," *Materials and Structures/Materiaux et Constructions*, vol. 55, no. 5, Jun. 2022, doi: 10.1617/s11527-022-01978-w.

2. Book

Author's name (first name and then abbreviated followed by a period and then followed by the last name without abbreviations, titles do not need to be written), Title of the book (italicised if using foreign languages, Title case). City of the publisher: Name of publisher, volume, year.

Example:

[2] G. Keiser, "Scilab Code for Optical Fiber Communication," 2011. [Online]. Available: http://spoken-tutorial.org/NMEICT-Intro.

3. Article from Proceeding (seminar/workshop)

Author's name (first name and then abbreviated followed by a period and then followed by the last name without abbreviations, titles do not need to be written), Title of the article (italicised if using foreign languages, Title case and given quotation marks at the beginning and at the end of the title), Title of the Proceeding, page, date of the seminar, year, doi.

Example:

[3] D. Káčik, N. Tarjányi, I. Martinček, J. Maciak, J. Horák, and A. Maciaková, "Optical sensor based on all-fiber interferometer for systems Weight in Motion," in 13th International Conference ELEKTRO 2020, ELEKTRO 2020 - Proceedings, Institute of Electrical and Electronics Engineers Inc., May 2020. doi: 10.1109/ELEKTRO49696.2020.9130302.

4. Online/website

Author's name (first name and then abbreviated followed by a period and then followed by the last name without abbreviations, titles do not need to be written), Title of the document (italicised if using foreign languages, Title case and quotation marks at the beginning and end of the title), Title of the website or owner, Publication Date, Accessed date month year, [online]. Available: URL Example:

[4] Humas, "Sekretariat Kabinet Republik Indonesia _ Berlaku Penuh Awal 2023, Pemerintah Larang Angkutan Mobil Barang 'Over Dimension and Overload,'" 2022, Accessed: Mar. 31, 2023. [Online]. Available: https://setkab.go.id/berlaku-penuh-awal-2023-pemerintah-larang-angkutan-mobil-bar ang-over-dimension-and-overload/