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Template of Manuscripts for JET

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Abstract – *This template represents the basic guidelines and desired layout final manuscript of Journal of Electrical Technology (JET). Abstract should not contain any equations, references, or footnotes. This article plays the role of a template as well as the guidelines for prospective authors who will have to prepare the final manuscript accepted for publication by JET.*

Keywords*: Template, Journal of Electrical Technology*

I. Introduction

These instructions give you the guidelines for preparing papers for Journal of Electrical Technology (JET). Use this document as a template if you are using Microsoft Word 2003 or later. Otherwise, use this document as an instruction set. The electronic file of your paper will be formatted further at JET. Define all symbols used in the abstract. Do not delete the blank line immediately above the abstract; it sets the column format.

II. Format of Manuscript

The paper should be written in A4 (210mm by 297mm) size. Your manuscript should be on two side of a sheet, with margins of 2.5 cm on left and 1.5 cm on right side and 2.44 cm on top and 3 cm bottom side, respectively, of each page. Distance from edge must be 0.55 cm from header and 2 cm from footer. The suggested length of a regular paper would be 4~10 pages not numbered and in this style. The subsequent headings are called subsection. All fonts are Times New Roman.

II.1. *Main Title and Author Affiliation*

Each Chapter starts with two line be centered at the top of the page; it has to be Times New Roman 17 pts not typed in capital letter. Leave two line spaces of 10 pts and give the name(s) of the author(s). The font size of the authors is 12 pts. The authors' affiliation should be placed under the author's name.

II.2. *Abstract and Keywords*

Leave one line space of 10 pts and then give the abstract. Before the body of the abstract and the keywords, the terms 'Abstract -' and '*Keywords*:' should come in bold 11 pts, respectively.

The abstract must be on one column. The width of the columns should be 14.0 cm and must be at 1.5 cm spacing from the left margin. The abstract should be limited to 50-200 words and should concisely state what was done, how it was done, principal results, and their significance. The abstract will appear later in various abstracts journals and should contain the most critical information of the paper. Skip a line space of 10 pts between the end of the abstract and the keywords.

Keywords are usually composed of about five terms or phrases in alphabetical order, separated by commas.

Refers to the example for the dimension and the position.

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II.3. *Body*

Full-length papers generally consist of introduction, nomenclature, if any, main parts of the body, conclusions. It must be in two column format. The width of each column should be 8.0 cm. There must be 1 cm spacing between the two columns. The font sizes of the section headings are bold 12 pts centered and those of the subsection headings italic 11 pts centered, respectively. Subsections may as well not exceed further than one-step lower level. Section and subsection headings must be formatted with 18 pts spacing before the headings and 6 pts spacing after the heading. The text body has to be Times New Roman 11 pts, single spaced; flush the first line of each paragraph at 0.4 cm from the left hand margin.

As for the fonts and the sizes of the headings, this manuscript in itself constitutes a good example.

III. Tables and Figures

Please insert your figures with "inline wrapping" text style, as in this template (see Fig. 1).

Please do not use colors in the figures unless it is necessary for the proper interpretation of your figures. Place figure captions below the figures; place table titles above the tables. Tables and figures must be centered. Large figures and tables may span both columns. If your figure has two parts, include the labels "(a)" and "(b)". Letters in the figure should be large enough to be readily legible when the drawing is reduced. Do not forget to include the label, unit for each axis and the legend when they are required. Use the abbreviation "Fig." even at the beginning of a sentence. Do not abbreviate "Table." Tables are numbered with Roman numerals. Please do not include captions as part of the figures. Do not put captions in "text boxes" linked to the figures. Do not put borders around the outside of your figures. Do not use color for the proper interpretation of your figures. The title of the Table must be centered; it has to be 8 pt typed in capital letter. Leave one line space of 10 pt after the Table.

TABLE I
SPECIFICATIONS ADOPTED FOR THE SIMULATED INVERTER

Components	Part name/ Manufacturer	Rating values
$S_{1,2}$	mty100n10e (ONS)	100 V – 100 A – 11 mΩ
S_a	irfpc50 (IR)	600 V – 11 A – 600 mΩ
$D_{1,2}$	30cpq150 (IR)	150 V – 30 A – 0.78 V
$D_{3,4,5,6,7,8,9}$	hfa15tb60 (IR)	600 V – 15 A – 1.7 V
T_r	ETD49 – 3c6a ferrite type (Philips)	N_p:N_s = 6:36
L_1 , L_2	Primary inductor (Philips)	680 µH

No vertical lines in table.

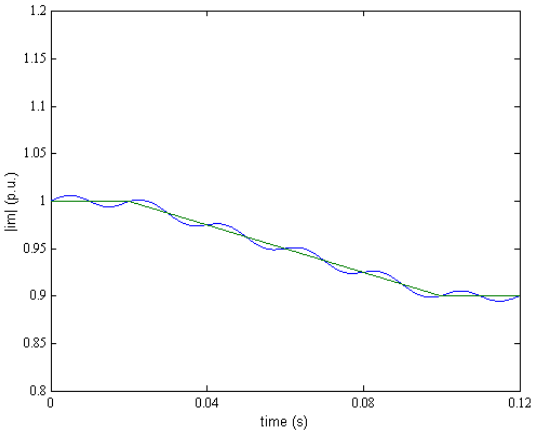


Fig. 1. Turn-on and turn-off of the S_r switch

Figure caption must be 10 pt. Leave one line space of 10 pts after the figure caption.

IV. Abbreviation and Acronyms

Abbreviation and acronyms should be defined the first time they appear in the text, even after the have already been defined in the abstract. Do not use abbreviations in the title unless they are unavoidable.

V. Units

It is strongly encouraged that the authors may use SI (International System of Units) units only.

VI. Equations

Equations should be placed at the center of the line and provided consecutively with equation numbers in parentheses flushed to the right margin, as in (1). You must use Microsoft Equation Editor or Mathtype.

Be sure that the symbols used in your equation have been defined before the equation appears or immediately following.

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$$v_{ref}(t) = \sum_{r=1}^{(1+H)^3} X^{\sum_k n_k} \sqrt{2} V_r \sin \omega t \quad (1)$$

The equations must be the following sizes:

- Full text 11 pt
- Subscript/Superscript 8 pt
- Sub-Subscript/superscript 6 pt
- Symbol 16 pt
- Sub-Symbol 8 pt

The style of the text is Times new Roman.

VII. Conclusion

Even though a conclusion may review the main results or contributions of the paper, do not duplicate the abstract or the introduction. For a conclusion, you might elaborate on the importance of the work or suggest the potential applications and extensions.

Appendix

Appendixes, if needed, appear before the acknowledgment.

Acknowledgements

This work was supported by Universitas Muhammadiyah Yogyakarta.

References

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Citations must be numbered consecutively in square brackets [1]. The sentence punctuation should be put after the brackets [2]. Multiple references [2], [3] are each numbered with separate brackets [1]-[3]. In sentences, refer simply to the reference number, as in [3]. Do not use 'Ref. [3]' or 'reference [3]' except at the beginning of a sentence. The list of references should be arranged in the order of citation in text, not in alphabetical order. The text body of the reference has to be 10 pt, single spaced.

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Modality of Books' quote:

[2] Emadi, A., Ehsani, M., Miller, J.M. (2004). *Vehicular Electric Power Systems.* Marcel Dekker, Inc.

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Note that the place of publication, publisher, and year of publication are enclosed in brackets. Editor of book is listed before book title.

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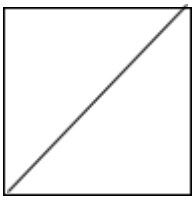
[5] Syahputra, R., Soesanti, I. (2015). Power System Stabilizer model based on Fuzzy-PSO for improving power system stability. *International Conference on Advanced Mechatronics, Intelligent Manufacture, and Industrial Automation (ICAMIMIA)*, Surabaya, 15-17 Oct. 2015, pp. 121 - 126.

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The third paragraph begins with the author's title and last name (e.g., Dr. Smith, Prof. Jones, Mr. Kajor, Ms. Hunter). List any memberships in professional societies. The photograph is placed at the top left of the biography. Personal hobbies will be deleted from the biography.

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