

# Article Title in Title Case (Center, Bold, 18pt)

First Author<sup>1</sup>, Second Author<sup>2</sup>

<sup>1</sup>First Author Affiliation,  
Organization Address, City, Postcode, COUNTRY

<sup>2</sup>Second Author Affiliation,  
Organization Address, City, Postcode, COUNTRY

Article Info	ABSTRACT (10 PT)
<b>Article history:</b> Received 00 Month, 20xx Revised 00 Month, 20xx Accepted 00 Month, 20xx	The abstract should be informative and completely self-explanatory, providing a clear statement of the problem, the proposed approach, or the solution. The first sentence describes the nature of the background information on the field of study. Subsequent sentences provide the problem statement or objectives and scope of the research. The next sentences explain the methods and materials used in the work. Main results and important findings are then highlighted. Finally, a summary of conclusions is put forth. The Abstract should be 100 to 200 words in length. Standard nomenclature should be used and abbreviations should be avoided. No literature should be cited. (Times New Roman 10 pt).
<b>Keywords:</b> Keyword 1 Keyword 2 Keyword 3 Number of keywords is usually 3-5	
<b>*Corresponding Author:</b> Name Corresponding Author Department of Mechanical Engineering, Indonesian Railway Polytechnic Jl. Tirta Raya, Pojok, Nambangan Lor, Manguharjo, Madiun, Jawa Timur 63161, Indonesia Email: kontak@ppi.ac.id	

## 1. INTRODUCTION (10 PT)

The main text format consists of a flat left-right columns on A4 paper (quarto). The margin text from the left and top are 2.5cm, right and bottom are 2 cm. The manuscript is written in Microsoft Word, single space, Time New Roman 10pt and maximum 12 pages, which can be downloaded at the website: <http://beei.org>

A title of article should be the fewest possible words that accurately describe the content of the paper. Omit all waste words such as "*A study of ...*", "*Investigations of ...*", "*Implementation of ...*", "*Observations on ...*", "*Effect of....*", "*Analysis of ...*", "*Design of...*" etc. Indexing and abstracting services depend on the accuracy of the title, extracting from it keywords useful in cross-referencing and computer searching. An improperly titled paper may never reach the audience for which it was intended, so be specific.

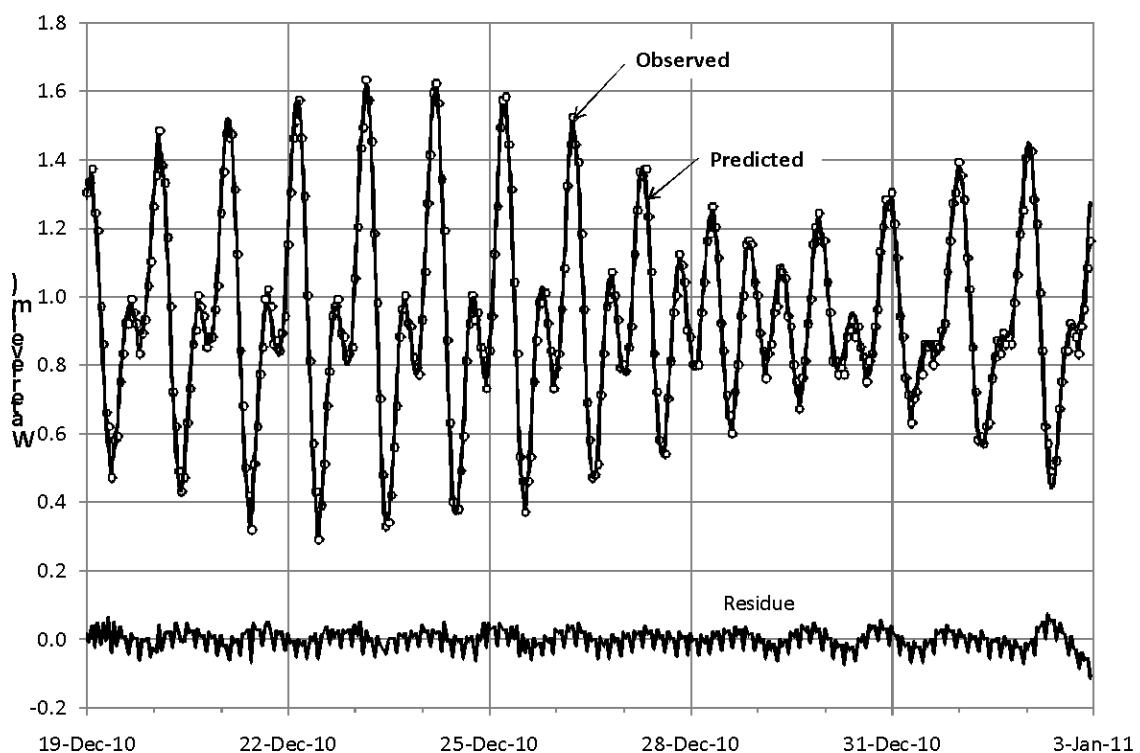
The Introduction should provide a clear background, a clear statement of the problem, the relevant literature on the subject, the proposed approach or solution, and the new value of research which it is innovation. It should be understandable to colleagues from a broad range of scientific disciplines. Organization and citation of the bibliography are made in IEEE style in sign [1, 2] and so on. The terms in foreign languages are written italic (italic). The text should be divided into sections, each with a separate heading and numbered consecutively. The section/subsection headings should be typed on a separate line, e.g., **1. Introduction** [3]. Authors are suggested to present their articles in the section structure:

### Introduction-the comprehensive theoretical basis and/or the Proposed Method/Algorithm-Research Method-Results and Discussion-Conclusion.

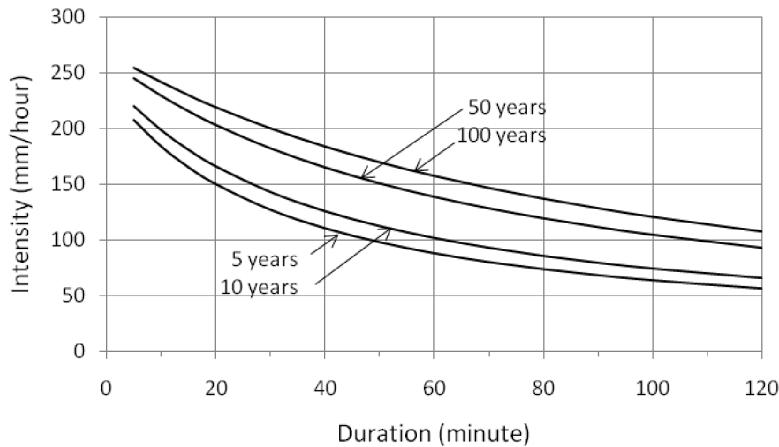
Literature review that has been done author used in the chapter "Introduction" to explain the difference of the manuscript with other papers, that it is innovative, it are used in the chapter "Research Method" to describe the step of research and used in the chapter "Results and Discussion" to support the analysis of the results [2]. If the manuscript was written really have high originality, which proposed a new method or algorithm, the additional chapter after the "Introduction" chapter and before the "Research Method" chapter can be added to explain briefly the theory and/or the proposed method/algorithm [4].

### 2. RESEARCH METHOD (10 PT)

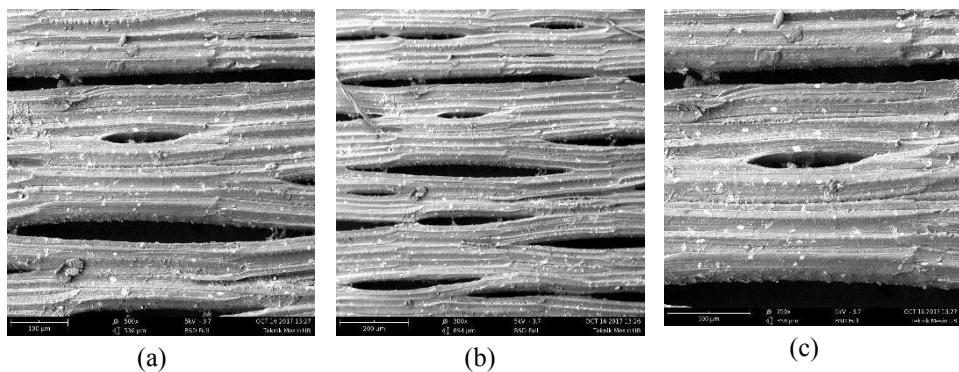
Explaining research chronological, including research design, research procedure (in the form of algorithms, Pseudocode or other), how to test and data acquisition [1-3]. The description of the course of research should be supported references, so the explanation can be accepted scientifically [2, 4].



**Figure 1.** Effects of selecting different switching under dynamic condition



**Figure 2.** Intensity condition



**Figure 3.** Effects of selecting different switching under dynamic condition,  
(a) X treated, (b) Y treated, (c) Z treated

### 3. RESULTS AND DISCUSSION (10 PT)

In this section, it is explained the results of research and at the same time is given the comprehensive discussion. Results can be presented in figures, graphs, tables and others that make the reader understand easily [2, 5]. The discussion can be made in several sub-chapters.

#### 3.1. Sub section 1

All tables should be numbered with Arabic numerals. Every table should have a caption. Headings should be placed above tables, left justified. Only horizontal lines should be used within a table, to distinguish the column headings from the body of the table, and immediately above and below the table. Tables must be embedded into the text and not supplied separately. Below is an example which the authors may find useful.

**Table 1** - An example of a table

An example of a column heading	Column A (x)	Column B (t)
And an entry	1	2
And another entry	3	4
And another entry	5	6

#### 3.2. Sub section 2

Equations and formulae should be typed in Mathtype, and numbered consecutively with Arabic numerals in parentheses on the right hand side of the page (if referred to explicitly in the text). They should also be separated from the surrounding text by one space.

$$f(x) = a_0 + \sum_{n=1}^{\infty} \left( a_n \cos \cos \frac{n\pi x}{L} + b_n \sin \sin \frac{n\pi x}{L} \right) \quad (1)$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \quad (2)$$

#### 4. CONCLUSION (10 PT)

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 the prospect of the development of research results and application prospects of further studies into the next (based on result and discussion).

#### ACKNOWLEDGEMENTS (10 PT)

Acknowledgements and Reference heading should be left justified, bold, with the first letter capitalized but have no numbers. Text below continues as normal.

#### REFERENCES (10 PT)

The main references are international journals and proceedings. All references should be to the most pertinent and up-to-date sources. References are written in IEEE style. Please use a consistent format for references—see examples below (10 pt):

- [1] X. S. Li, *et al.*, "Analysis and Simplification of Three-Dimensional Space Vector PWM for Three-Phase Four-Leg Inverters," *IEEE Transactions on Industrial Electronics*, vol. 58, pp. 450-464, Feb 2011.
- [2] R. Arulmozhiyal and K. Baskaran, "Implementation of a Fuzzy PI Controller for Speed Control of Induction Motors Using FPGA," *Journal of Power Electronics*, vol. 10, pp. 65-71, 2010.
- [3] Fachinger, J., den Exter, M., Grambow, B., Holgerson, S., Landesmann, C., Titov, M., *et al.* (2004). Behavior of spent HTR fuel elements in aquatic phases of repository host rock formations, 2nd International Topical Meeting on High Temperature Reactor Technology. Beijing, China, paper #B08.
- [4] D. Zhang, *et al.*, "Common Mode Circulating Current Control of Interleaved Three-Phase Two-Level Voltage-Source Converters with Discontinuous Space-Vector Modulation," *2009 IEEE Energy Conversion Congress and Exposition*, Vols 1-6, pp. 3906-3912, 2009.
- [5] Z. Yinhai, *et al.*, "A Novel SVPWM Modulation Scheme," in *Applied Power Electronics Conference and Exposition, 2009. APEC 2009. Twenty-Fourth Annual IEEE*, 2009, pp. 128-131.