Journal of Electrical Engineering, Energy, and Information Technology (J3EIT)
Vol. XX, No. XX, Month XX, pp. 1~1x
ISSN: 3026-1856, DOI: 10.26418/j3eit.vXXiX.XXXXX

Paper's title should be the fewest possible words that accurately describe the content of the paper (Center, Bold, 16pt)

First Author[1,2], Second Author[3], Third Author[3] (10 pt)
[1]Departement, University, City, Country (8 pt)

Article Info

Received month dd, yyyy
Revised month dd, yyyy
Accepted month dd, yyyy

Keywords:

First keyword
Second keyword
Third keyword
Fourth keyword
Fifth keyword

ABSTRACT (10 PT)

Abstracts are often presented separately from articles, so they must be able to stand alone. It is very important that an abstract is well prepared to provide the reader with an efficient and accurate means of identifying the main points of a document, determining its relevance to their interests, and deciding if they wish to continue reading the document. The abstract should be informative and self-explanatory, and should identify the problem, the proposed approach or solution, and highlight the main findings and conclusions. **The abstract should be between 100 and 200 words in length.** The use of references should be avoided, but if it is absolutely necessary, the author(s) and year(s) should be acknowledged. It is recommended that you use standard nomenclature, and avoid abbreviations that are not common or standard, but if essential they must be defined at their first mention in the abstract. Citations should not be included in the abstract. The keyword list provides the opportunity to add 5 to 7 keywords, used by the indexing and abstracting services, in addition to those already present in the title.

Corresponding Author:
Eka Kusumawardhani
Email: ekawardhani@ee.untan.ac.id

1. INTRODUCTION (10 PT)

The text is presented in a flat left-right column format on A4 paper (quarto). Text margins from the left and top are 2.5 cm, and text margins from the right and bottom are 2 cm. In the case of an original research article, the manuscript must be typed in Microsoft Word, single-spaced, Times New Roman 10 pt, and must not exceed 8 pages. In the case of a review or survey paper, the maximum number of pages is 10.

Article title should The title should be succinct and informative and no more than about 12 words in length. Avoid acronyms and abbreviations in your titles, and don't mention the method you used, unless you are developing a new method. A title is often used in an information retrieval system. Avoid writing long formulas with subscripts in the title. Do not include unnecessary words like "*A study of...", "Investigations of...", "Implementation of...", "Observations on...", "Effect of...", "Analysis of...", "Design of...",* etc.

In the Introduction section, there should be a) a clear background; b) a clear statement of the problem; c) the relevant literature on the subject; d) the proposed approach or solution; and e) the innovation value of the research (in 3-6 paragraphs). It should be understandable to colleagues from different scientific fields. Bibliographies are organized and cited in IEEE style using symbols [1], [2], etc. The terms in foreign languages are written italic (*italic*). Each section of the text should be titled and numbered consecutively [3]. The section or subsection headings should be typed on a separate line, e.g., 1. INTRODUCTION. A full article usually follows a standard structure:

1. **Introduction,**
2. **Literature Review/ The Comprehensive Theoretical Basis and/or the Proposed Method/Algorithm,**
3. **Method,**
4. **Results and Discussion, and**
5. **Conclusion.**

2. LITERATURE REVIEW (10 PT)

Literature reviews contain descriptions of theories, findings and other research materials obtained from reference materials to serve as a basis for research activities. The description in this literature review is directed at developing a clear framework for thinking about problem solving which has been described previously in the problem formulation.

3. METHOD (10 PT)

An explanation of the research process chronologically, including the research design, the research methodology (whether algorithms, pseudocode, or other), and the testing and data acquisition processes. References should be provided to support the description of the course of research, so that the explanation can be accepted scientifically. Figures 1-2 and Table 1 are presented center, as shown below and mentioned in the manuscript.

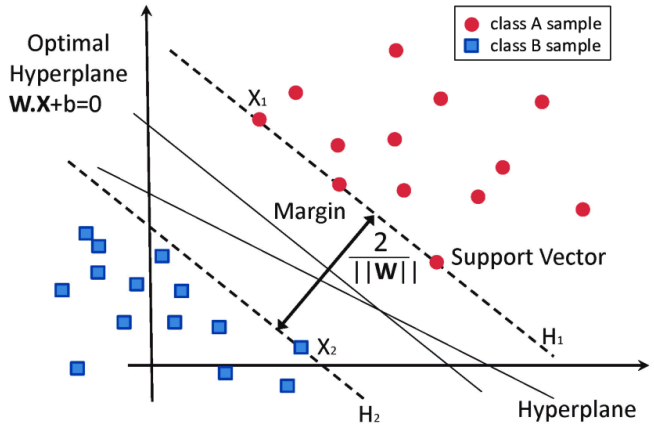
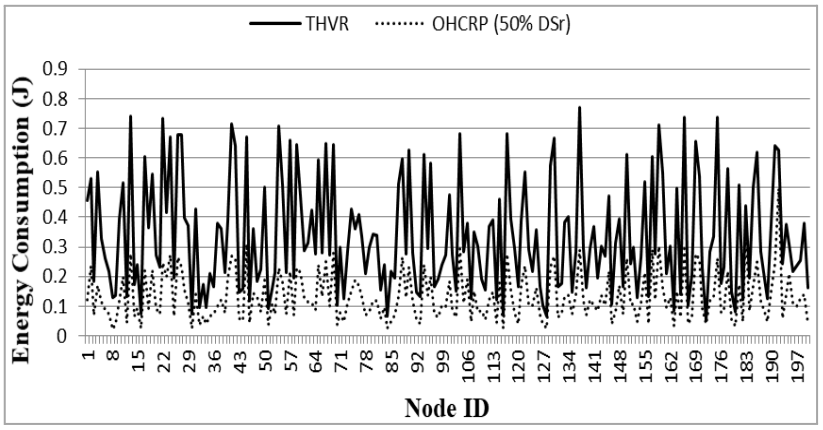


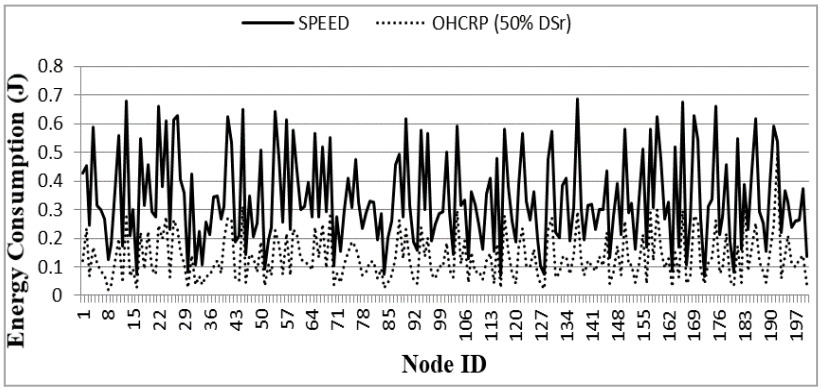
Figure 1. Illustration of support vector machine

Table 1. The performance of ...

Variable	Speed (rpm)	Power (kW)
x	10	8.6
y	15	12.4
z	20	15.3



(a)



(b)

Figure 2. Nodes energy consumption in network (a) OHCRP (50% DSr) vs SPEED and (b) OHCRP (50% DSr) vs THVR

4. 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. The discussion can be made in several sub-sections.

4.1. Sub section 1

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). The use of Microsoft Equation Editor or MathType is preferred.

$$E_v - E = \frac{h}{2.m}\left(k_x^2 + k_y^2\right) \quad (1)$$

All symbols that have been used in the equations should be defined in the following text.

4.2. Sub section 2

Proper citation of other works should be made to avoid plagiarism. When referring to a reference item, please use the reference number as in [16] or [17] for multiple references. The use of ”Ref [18]...” should be employed for any reference citation at the beginning of sentence. For any reference with more than 3 or more authors, only the first author is to be written followed by *et al*. (e.g. in [19]). Examples of reference items of different categories shown in the References section. Each item in the references section should be typed using 8 pt font size [20]–[25].

4.2.1. Subsub section 1

aaa

4.2.2. Subsub section 2

bbb

5. CONCLUSION (10 PT)

Provide a statement that what is expected, as stated in the "INTRODUCTION" section can ultimately result in "RESULTS AND DISCUSSION" section, 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)

Author thanks ... . In most cases, sponsor and financial support acknowledgments.

REFERENCES (10 PT)

The main references are international journals and proceedings. All references should be to the most pertinent, up-to-date sources **and the minimum of references** are **25 entries** (for original research paper) and **50 entries** (for review/survey paper). References are written in **IEEE style**. For more complete guide can be accessed at (http://ipmuonline.com/guide/refstyle.pdf). Use of a tool such as **EndNote**, **Mendeley**, or **Zotero** for reference management and formatting, and choose **IEEE style**. Please use a consistent format for references-see examples (8 pt):

[1] Journal/Periodicals

Basic Format:
J. K. Author, "Title of paper," *Abbrev. Title of Journal/Periodical*, vol. *x,* no. *x,* pp. *xxx-xxx,* Abbrev. Month, year, doi: *xxx*.
Examples:

- M. M. Chiampi and L. L. Zilberti, "Induction of electric field in human bodies moving near MRI: An efficient BEM computational procedure," *IEEE Trans. Biomed. Eng.*, vol. 58, pp. 2787–2793, Oct. 2011, doi: 10.1109/TBME.2011.2158315.
- R. Fardel, M. Nagel, F. Nuesch, T. Lippert, and A. Wokaun, "Fabrication of organic light emitting diode pixels by laser-assisted forward transfer," *Appl. Phys. Lett.*, vol. 91, no. 6, Aug. 2007, Art. no. 061103, doi: 10.1063/1.2759475.

[2] Conference Proceedings

Basic Format:
J. K. Author, "Title of paper," in *Abbreviated Name of Conf.*, (location of conference is optional), year, pp. *xxx–xxx*, doi: *xxx.*
Examples:

- G. Veruggio, "The EURON roboethics roadmap," in *Proc. Humanoids '06: 6th IEEE-RAS Int. Conf. Humanoid Robots*, 2006, pp. 612–617, doi: 10.1109/ICHR.2006.321337.
- J. Zhao, G. Sun, G. H. Loh, and Y. Xie, "Energy-efficient GPU design with reconfigurable in-package graphics memory," in *Proc. ACM/IEEE Int. Symp. Low Power Electron. Design (ISLPED)*, Jul. 2012, pp. 403–408, doi: 10.1145/2333660.2333752.

[3] Book

Basic Format:
J. K. Author, "Title of chapter in the book," in *Title of His Published Book*, X. Editor, Ed., *x*th ed. City of Publisher, State (only U.S.), Country: Abbrev. of Publisher, year, ch. *x*, sec. *x*, pp. *xxx–xxx.*
Examples:

- A. Taflove, *Computational Electrodynamics: The Finite-Difference Time-Domain Method* in Computational Electrodynamics II, vol. 3, 2nd ed. Norwood, MA, USA: Artech House, 1996.
- R. L. Myer, "Parametric oscillators and nonlinear materials," in *Nonlinear Optics*, vol. 4, P. G. Harper and B. S. Wherret, Eds., San Francisco, CA, USA: Academic, 1977, pp. 47–160.

[4] M. Theses (B.S., M.S.) and Dissertations (Ph.D.)

Basic Format:
J. K. Author, "Title of thesis," M.S. thesis, Abbrev. Dept., Abbrev. Univ., City of Univ., Abbrev. State, year.
J. K. Author, "Title of dissertation," Ph.D. dissertation, Abbrev. Dept., Abbrev. Univ., City of Univ., Abbrev. State, year.
Examples:

- J. O. Williams, "Narrow-band analyzer," Ph.D. dissertation, Dept. Elect. Eng., Harvard Univ., Cambridge, MA, USA, 1993.
- N. Kawasaki, "Parametric study of thermal and chemical nonequilibrium nozzle flow," M.S. thesis, Dept. Electron. Eng., Osaka Univ., Osaka, Japan, 1993.

*In the reference list, however, list all the authors for up to six authors. Use *et al.* only if: 1) The names are not given and 2) List of authors more than 6. *Example*: J. D. Bellamy *et al.*, Computer Telephony Integration, New York: Wiley, 2010.

See the examples:

REFERENCES

[1] M. Sigala, A. Beer, L. Hodgson, and A. O'Connor, *Big Data for Measuring the Impact of Tourism Economic Development Programmes: A Process and Quality Criteria Framework for Using Big Data*. 2019.
[2] G. Nguyen *et al.*, "Machine Learning and Deep Learning frameworks and libraries for large-scale data mining: a survey," *Artif. Intell. Rev.*, vol. 52, no. 1, pp. 77–124, 2019, doi: 10.1007/s10462-018-09679-z.
[3] C. Shorten and T. M. Khoshgoftaar, "A survey on Image Data Augmentation for Deep Learning," *J. Big Data*, vol. 6, no. 1, 2019, doi: 10.1186/s40537-019-0197-0.
[4] R. Vinayakumar, M. Alazab, K. P. Soman, P. Poornachandran, A. Al-Nemrat, and S. Venkatraman, "Deep Learning Approach for Intelligent Intrusion Detection System," *IEEE Access*, vol. 7, pp. 41525–41550, 2019, doi: 10.1109/ACCESS.2019.2895334.
[5] K. Sivaraman, R. M. V. Krishnan, B. Sundarraj, and S. Sri Gowthem, "Network failure detection and diagnosis by analyzing syslog and SNS data: Applying big data analysis to network operations," *Int. J. Innov. Technol. Explor. Eng.*, vol. 8, no. 9 Special Issue 3, pp. 883–887, 2019, doi: 10.35940/ijitee.I3187.0789S319.
[6] A. D. Dwivedi, G. Srivastava, S. Dhar, and R. Singh, "A decentralized privacy-preserving healthcare blockchain for IoT," *Sensors*

(Switzerland), vol. 19, no. 2, pp. 1–17, 2019, doi: 10.3390/s19020326.

[7] F. Al-Turjman, H. Zahmatkesh, and L. Mostarda, "Quantifying uncertainty in internet of medical things and big-data services using intelligence and deep learning," *IEEE Access*, vol. 7, pp. 115749–115759, 2019, doi: 10.1109/ACCESS.2019.2931637.

[8] S. Kumar and M. Singh, "Big data analytics for healthcare industry: Impact, applications, and tools," *Big Data Min. Anal.*, vol. 2, no. 1, pp. 48–57, 2019, doi: 10.26599/BDMA.2018.9020031.

[9] L. M. Ang, K. P. Seng, G. K. Ijemaru, and A. M. Zungeru, "Deployment of IoV for Smart Cities: Applications, Architecture, and Challenges," *IEEE Access*, vol. 7, pp. 6473–6492, 2019, doi: 10.1109/ACCESS.2018.2887076.

[10] B. P. L. Lau *et al.*, "A survey of data fusion in smart city applications," *Inf. Fusion*, vol. 52, no. January, pp. 357–374, 2019, doi: 10.1016/j.inffus.2019.05.004.

[11] Y. Wu *et al.*, "Large scale incremental learning," *Proc. IEEE Comput. Soc. Conf. Comput. Vis. Pattern Recognit.*, vol. 2019-June, pp. 374–382, 2019, doi: 10.1109/CVPR.2019.00046.

[12] A. Mosavi, S. Shamshirband, E. Salwana, K. wing Chau, and J. H. M. Tah, "Prediction of multi-inputs bubble column reactor using a novel hybrid model of computational fluid dynamics and machine learning," *Eng. Appl. Comput. Fluid Mech.*, vol. 13, no. 1, pp. 482–492, 2019, doi: 10.1080/19942060.2019.1613448.

[13] V. Palanisamy and R. Thirunavukarasu, "Implications of big data analytics in developing healthcare frameworks – A review," *J. King Saud Univ. - Comput. Inf. Sci.*, vol. 31, no. 4, pp. 415–425, 2019, doi: 10.1016/j.jksuci.2017.12.007.

[14] J. Sadowski, "When data is capital: Datafication, accumulation, and extraction," *Big Data Soc.*, vol. 6, no. 1, pp. 1–12, 2019, doi: 10.1177/2053951718820549.

[15] J. R. Saura, B. R. Herraez, and A. Reyes-Menendez, "Comparing a traditional approach for financial brand communication analysis with a big data analytics technique," *IEEE Access*, vol. 7, pp. 37100–37108, 2019, doi: 10.1109/ACCESS.2019.2905301.

[16] D. Nallaperuma *et al.*, "Online Incremental Machine Learning Platform for Big Data-Driven Smart Traffic Management," *IEEE Trans. Intell. Transp. Syst.*, vol. 20, no. 12, pp. 4679–4690, 2019, doi: 10.1109/TITS.2019.2924883.

[17] S. Schulz, M. Becker, M. R. Groseclose, S. Schadt, and C. Hopf, "Advanced MALDI mass spectrometry imaging in pharmaceutical research and drug development," *Curr. Opin. Biotechnol.*, vol. 55, pp. 51–59, 2019, doi: 10.1016/j.copbio.2018.08.003.

[18] C. Shang and F. You, "Data Analytics and Machine Learning for Smart Process Manufacturing: Recent Advances and Perspectives in the Big Data Era," *Engineering*, vol. 5, no. 6, pp. 1010–1016, 2019, doi: 10.1016/j.eng.2019.01.019.

[19] Y. Yu, M. Li, L. Liu, Y. Li, and J. Wang, "Clinical big data and deep learning: Applications, challenges, and future outlooks," *Big Data Min. Anal.*, vol. 2, no. 4, pp. 288–305, 2019, doi: 10.26599/BDMA.2019.9020007.

[20] M. Huang, W. Liu, T. Wang, H. Song, X. Li, and A. Liu, "A queuing delay utilization scheme for on-path service aggregation in services-oriented computing networks," *IEEE Access*, vol. 7, pp. 23816–23833, 2019, doi: 10.1109/ACCESS.2019.2899402.

BIOGRAPHY (for all author)

Firstname A. Lastname and the other authors may include biographies and photographs at the end of regular papers. Photographs, if provided, should be cropped into 26mm in width and 32mm in height.
The biography begins with the place and/or date of birth (list place, then date). Next, the author's educational background is listed. The degrees should be listed with type of degree in what field, which institution, city, state or country, and year degree was earned. Then introduce the work experience. The current job must have a location; previous positions may be listed without one. Information concerning previous publications may be included. And then list current research interests, memberships in professional societies like the IEEE. Finally, list any awards and work for professional committees and publications.

Firstname A. Lastname and the other authors may include biographies and photographs at the end of regular papers. Photographs, if provided, should be cropped into 26mm in width and 32mm in height.
The biography begins with the place and/or date of birth (list place, then date). Next, the author's educational background is listed. The degrees should be listed with type of degree in what field, which institution, city, state or country, and year degree was earned. Then introduce the work experience. The current job must have a location; previous positions may be listed without one. Information concerning previous publications may be included. And then list current research interests, memberships in professional societies like the IEEE. Finally, list any awards and work for professional committees and publications.

Firstname A. Lastname and the other authors may include biographies and photographs at the end of regular papers. Photographs, if provided, should be cropped into 26mm in width and 32mm in height.
The biography begins with the place and/or date of birth (list place, then date). Next, the author's educational background is listed. The degrees should be listed with type of degree in what field, which institution, city, state or country, and year degree was earned. Then introduce the work experience. The current job must have a location; previous positions may be listed without one. Information concerning previous publications may be included. And then list current research interests, memberships in professional societies like the IEEE. Finally, list any awards and work for professional committees and publications.