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**Keywords**

Keywords consist of  
3-5 words arranged in  
alphabetical order,  
separated by commas

**ABSTRACT**

Abstract should state introduction and background of the study, primary objectives, methodology (research design, sampling, instruments, procedures, and data analysis), main outcomes and results, and the conclusions. The abstract should be written in the past tense. Standard nomenclature should be used and abbreviations should be avoided. No literature should be cited. The abstract consists of 150-250 words written in a single paragraph, using Times New Roman-10 pt, and the distance between lines was one space. The abstract is given a recommendation sentence from the results of the research that has been done.

**Citation (IEEE Style):** [Number] First Author, Second Author, Third Author. (2022) The title should be no more than 15 words, accurately describe the content. Jurnal Name, xx(x), xx-xx. DOI number.

## **INTRODUCTION (1,5 – 2 pages)**

The minimum number of pages in a single article is 8 pages. The manuscripts should be the original work either as a research or reference studies which have never been published in any form of publication. The manuscript is single-spaced, written in one column format, Times New Roman 11pt on A4 paper (quarto). The margin text from the top, left, right, and bottom are 3 cm, 2.5 cm, 2.5 cm and 2.5 respectively. The suggested organization of the paper consists of: Introduction - Methods - Results and Discussion - Conclusion. Each part should explicitly declare the contents.

A title should be the fewest possible words that accurately describe the content of the paper. Indexing and abstracting services depend on the accuracy of the title. An improperly titled paper may ever reach the audience for which it was intended, so be specific. Do not use abbreviations in the title unless they are unavoidable. The introduction should provide a clear background, a clear statement of the problem, the relevant literature on the subject, the proposed approach or solution, the new value of research and end with the purpose of the study.

References need not be cited in text. When they are, number citations on the line, in square brackets inside the punctuation. Multiple references are each numbered with separate brackets. When citing a section in a book, please give the relevant page numbers. In text, refer simply to the reference number. Do not use "Ref." or "reference" except at the beginning of a sentence: "Reference [3] shows ... ." Please do not use automatic endnotes in *Word*, rather, type the reference list at the end of the paper using the "References" style.

Reference numbers are set flush left and form a column of their own, hanging out beyond the body of the reference. The reference numbers are on the line, enclosed in square brackets. In all references, the given name of the author or editor is abbreviated to the initial only and precedes the last name. Use them all; use *et al.* only if names are not given. Use commas around Jr., Sr., and III in names. Abbreviate conference titles. When referencing a patent, provide the day and the month of issue, or application. References may not include all information; please obtain and include relevant information. Do not combine references. There must be only one reference with each number. If there is a URL included with the print reference, it can be included at the end of the reference. Other than books, capitalize only the first word in a paper title, except for proper nouns and element symbols. For papers published in translation journals, please give the English citation first, followed by the original foreign-language citation. See the end of this document for formats and examples of common references.

Literature review is used in the chapter "Introduction" to explain the difference of the manuscript with other papers, that it is innovative, it is used in the chapter "Method" to describe the step of research and used in the chapter "Results and Discussion" to support the analysis of the results.

## **METHOD**

Method includes research chronological, including research design, research procedure, instruments, and analysis techniques used in solving problems. Written out

briefly, concisely, clearly, but adequately so that it can be replicated. This section contains explanation of the research approach, subjects of the study, conducts of the research procedure, use of materials and instruments, data collection and analysis techniques. These are not theories. In the case of statistical uses, formulas that are generally known should not be written down. Any specific criteria used by the researcher in collecting and analyzing the research data should be completely described, including the quality of the instruments, material of the research, and procedure of data collection.

## RESULTS AND DISCUSSION (6-14)

### Results

Research results are presented in graphs, tables, or descriptive. Analysis and interpretation of these results are necessary before they are discussed. For experimental research, the order of presenting the results is adjusted to the research hypothesis, while for qualitative research, it is adjusted to the research questions.

The table is written in the middle or end of each research result/gain description text. Table titles are written from left to center; each word begins with a capital letter. Suppose more than one line is written in a single space. For example, it can be seen in Table 1.

Table 1. Table Title		
Scores	(%) Cycle I	(%) Cycle II
90 – 100	12.9%	64.5%
74 – 89	64.5%	35.5%
60 – 75	19.4%	-
0 – 59	3.2%	-

The results are in the form of images or data that is made of images/schemes/graphics/diagrams/the like; the presentation also follows the existing rules; the title or image name is placed below the image, from the left, and spaced one space from the image. If more than 1 line between lines is single-spaced. An example of, can be seen in Figure 1.

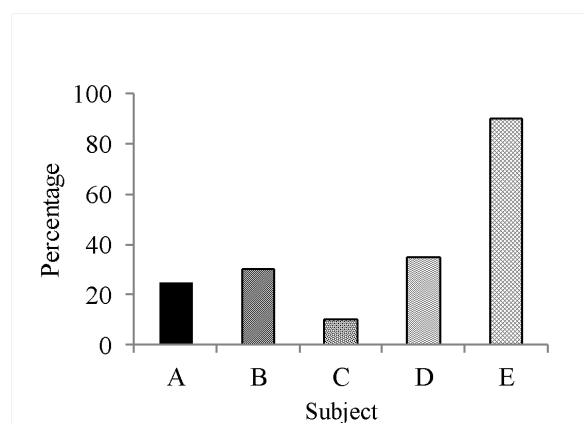


Figure 1. Figure Title

Make sure all tables and figures are referred to as in Figure 1 and given explanations or interpretations but do not repeat information contained in the tables. This

interpretation or explanation can be made by highlighting the things that stand out, the things that are the same, or the differences. All tables and figures must be referred to (mentioned) in the manuscript's text. Avoid making mentions by saying "can be seen in the table above/below," but immediately mention "can be seen in Table 1" or "... as presented in Figure 1".

When writing the formula, write it in full using the Insert Menu "Equation." The following is an example of Formula 1.

$Gain\ Score < g > = \frac{N_2 - N_1}{SM - N_1}$	(1)
--	-----

## Discussion

The discussion is focused on linking the data and the analysis results to the problems or research objectives. The discussion also links research results or findings with relevant research results and theories. The discussion also answers the question of why such facts are found in the data.

The discussion also outlines the contribution of research results or findings to relevant fields, especially educational administration/management, consisting of educational leadership, policy and planning, academic economics, and educational politics. The discussion also outlines the limitations of the research and its implications for practice and research opportunities in the future. We recommend that the words in the discussion are at least 70% of the words in the results.

## CONCLUSION

The conclusion is a summary of the results and discussion and should be written in paragraphs instead on numbering. 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 results and discussion).

## ACKNOWLEDGMENT

This research was supported/partially supported by [Name of Foundation, Grant maker, Donor].

## REFERENCES

**All references should at least consist of 15 most pertinent and up-to-date sources. 60% of the references must be from reputable international journals published in less than 5 years.** Give all authors' names; use "et al." if there are six authors or more. Papers that have not been published, even if they have been submitted for publication, should be cited as "unpublished" Papers that have been accepted for publication should be cited as "in press". See the examples below. It is highly recommended that the references are written with the **MENDELEY** reference management application.

**Basic format for books:**

- [1] J. K. Author, "Title of chapter in the book," in *Title of His Published Book*, xth ed.  
City of Publisher, Country if not
- [2] USA: Abbrev. of Publisher, year, ch. x, sec. x, pp. xxx-xxx.

*Examples:*

- [3] G. O. Young, "Synthetic structure of industrial plastics," in *Plastics*, 2nd ed., vol. 3, J. Peters, Ed. New York: McGraw-Hill, 1964, pp. 15-64.
- [4] W.-K. Chen, *Linear Networks and Systems*. Belmont, CA: Wadsworth, 1993, pp. 123-135.

**Basic format for periodicals:**

- [5] J. K. Author, "Name of paper," *Abbrev. Title of Periodical*, vol. x, no. x, pp. xxx-xxx,  
Abbrev. Month, year.

*Examples:*

- [6] J. U. Duncombe, "Infrared navigation—Part I: An assessment  
of feasibility," *IEEE Trans. Electron Devices*, vol. ED-11, no. 1, pp. 34-39, Jan.  
1959.
- [7] E. P. Wigner, "Theory of traveling-wave optical laser," *Phys. Rev.*,  
vol. 134, pp. A635-A646, Dec. 1965.
- [8] E. H. Miller, "A note on reflector arrays," *IEEE Trans. Antennas Propagat.*, to be  
published.

**Basic format for reports:**

- [9] J. K. Author, "Title of report," Abbrev. Name of Co., City of Co., Abbrev. State, Rep.  
xxx, year.

*Examples:*

- [10] E. E. Reber, R. L. Michell, and C. J. Carter, "Oxygen absorption in the earth's  
atmosphere," Aerospace Corp., Los Angeles, CA, Tech. Rep. TR-0200 (4230-46)-3,  
Nov. 1988.
- [11] J. H. Davis and J. R. Cogdell, "Calibration program for the 16-foot antenna," Elect.  
Eng. Res. Lab., Univ. Texas, Austin, Tech. Memo. NGL-006-69-3, Nov. 15, 1987.

**Basic format for handbooks:**

- [12] *Name of Manual/Handbook*, x ed., Abbrev. Name of Co., City of Co., Abbrev.  
State, year, pp. xxx-xxx.

*Examples:*

- [13] *Transmission Systems for Communications*, 3rd ed., Western Electric Co.,  
Winston-Salem, NC, 1985, pp. 44-60.
- [14] *Motorola Semiconductor Data Manual*, Motorola Semiconductor Products Inc.,  
Phoenix, AZ, 1989.

**Basic format for books (when available online):**

- [15] Author. (year, month day). *Title*. (edition) [Type of medium]. *volume (issue)*.  
Available: site/path/file

*Example:*

- [16] J. Jones. (1991, May 10). *Networks*. (2nd ed.) [Online]. Available:  
<http://www.atm.com>

**Basic format for journals (when available online):**

- [17] Author. (year, month). Title. *Journal*. [Type of medium]. volume (issue), pages.  
Available: site/path/file

*Example:*

- [18] R. J. Vidmar. (1992, Aug.). On the use of atmospheric plasmas as electromagnetic reflectors. *IEEE Trans. Plasma Sci.* [Online]. 21(3), pp. 876–880.  
Available: <http://www.halcyon.com/pub/journals/21ps03-vidmar>

**Basic format for papers presented at conferences (when available online):**

- [19] Author. (year, month). Title. Presented at Conference title. [Type of Medium].  
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*Example:*

- [20] PROCESS Corp., MA. Intranets: Internet technologies deployed behind the firewall for corporate productivity. Presented at INET96 Annual Meeting. [Online]. Available: <http://home.process.com/Intranets/wp2.htm>

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*Example:*

- [22] S. L. Tallen. (1996, Apr.). The Intranet Architecture: Managing information in the new paradigm. Amdahl Corp., CA. [Online]. Available: <http://www.amdahl.com/doc/products/bsg/intra/intra/html>

**Basic format for computer programs and electronic documents (when available online):**

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*Example:*

- [23] A. Harriman. (1993, June). Compendium of genealogical software. *Humanist*. [Online]. Available e-mail: [HUMANIST@NYVM.ORG](mailto:HUMANIST@NYVM.ORG) Message: get GENEALOGY REPORT

**Basic format for patents (when available online):**

- [24] Name of the invention, by inventor's name. (year, month day). *Patent Number* [Type of medium]. Available: site/path/file

*Example:*

- [25] Musical toothbrush with adjustable neck and mirror, by L.M.R. Brooks. (1992, May 19). *Patent D 326 189*  
[Online]. Available: NEXIS Library: LEXPAT File: DESIGN

**Basic format for conference proceedings (published):**

- [26] J. K. Author, "Title of paper," in *Abbreviated Name of Conf.*, City of Conf., Abbrev. State (if given), year, pp. xxxxxx.

*Example:*

- [27] D. B. Payne and J. R. Stern, "Wavelength-switched passively coupled single-mode optical network," in *Proc. IOOC-ECOC*, 1985, pp. 585–590.

**Example for papers presented at conferences (unpublished):**

- [28] D. Ebehard and E. Voges, "Digital single sideband detection for interferometric sensors," presented at the 2nd Int. Conf. Optical Fiber Sensors, Stuttgart, Germany, Jan. 2-5, 1984.

***Basic format for patents:***

- [29] J. K. Author, "Title of patent," U.S. Patent x xxx xxx, Abbrev. Month, day, year.

*Example:*

- [30] G. Brandli and M. Dick, "Alternating current fed power supply,"  
U.S. Patent 4 084 217, Nov. 4, 1978.

***Basic format for theses (M.S.) and dissertations (Ph.D.):***

- [31] J. K. Author, "Title of thesis," M.S. thesis, Abbrev. Dept., Abbrev. Univ., City of Univ., Abbrev. State, year.

- [32] J. K. Author, "Title of dissertation," Ph.D. dissertation, Abbrev. Dept., Abbrev. Univ., City of Univ., Abbrev. State, year.

*Examples:*

- [33] J. O. Williams, "Narrow-band analyzer," Ph.D. dissertation, Dept. Elect. Eng., Harvard Univ., Cambridge, MA, 1993.

- [34] N. Kawasaki, "Parametric study of thermal and chemical nonequilibrium nozzle flow," M.S. thesis, Dept. Electron. Eng., Osaka Univ., Osaka, Japan, 1993.

***Basic format for the most common types of unpublished references:***

- [35] J. K. Author, private communication, Abbrev. Month, year.

- [36] J. K. Author, "Title of paper," unpublished.

- [37] J. K. Author, "Title of paper," to be published.

*Examples:*

- [38] A. Harrison, private communication, May 1995.

- [39] B. Smith, "An approach to graphs of linear forms," unpublished.

- [40] A. Brahms, "Representation error for real numbers in binary computer arithmetic," IEEE Computer Group Repository, Paper R-67-85.

***Basic format for standards:***

- [41] *Title of Standard*, Standard number, date.

*Examples:*

- [42] IEEE Criteria for Class IE Electric Systems, IEEE Standard 308, 1969.

- [43] Letter Symbols for Quantities, ANSI Standard Y10.5-1968.

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