
TITLE IN ENGLISH, MAXIMUM 15 WORDS

(Title in Indonesian: Center, Times New Roman 14 Bold, Uppercase, maximum 15 English words)

Student name without title ¹⁾, **Advisor** ²⁾, **Example: LP Hasugian** ³⁾(Name Abbreviation, Author's Last Name not abbreviated, Times New Normal 11 pt, **Bold**)

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ABSTRACT

Abstract contains an explanation of the background of the problem situation in the research object, research objectives, research methods and results. Abstract contains a description of the research without any references or references, either footnotes or endnotes.

Abstract is written using Times New Roman letters 10 pt, justified and italicized. Abstract length of not more than 200 words, accompanied by keywords between 3-5 pieces. Abstracts are written in english according to good and correct grammar and are allowed to insert foreign terms.

Keywords: *research object, problem, objective, methodology*

1. Introduction

Manuscripts should be arranged in a straightforward, concise, and clear manner. The total length (including appendices) ranges from 8 - 15 pp. Manuscripts are written in English. Foreign terms are italicized (*italic*). Pages do not need to be numbered.

Manuscripts are written using Microsoft Office Word (* .doc or * .docx) in single spacing on A4 paper (210 mm x 297 mm) with a top and bottom margin of 2 cm, a left margin of 2 cm and a right margin of 3 cm. The font used for the entire manuscript is Times New Roman 11 pt. Manuscripts are arranged in 2 column format, with 1 cm space between columns. The title of each section is in bold, 11 pt.

The introduction contains the background of the problem, the formulation of the problem and references to previous research developments.

2. Contents of the Manuscript

Manuscripts should be presented in several sections, starting from introduction (25%), discussion (65%), closing (10%), and bibliography.

The discussion consists of three chapters: research methods; data processing; and analysis of

results. The research method contains the type of research, frame of mind, and research steps, and if necessary a little review of the main literature. Priority for data processing that is closely related to research, and does not need to display tests that are not very relevant. Results analysis contains results and analysis according to research objectives.

The closing contains the conclusion or summary of the analysis of the results in a descriptive narrative format (paragraphs), not a list format (bullet points or bulleting).

2.1 Chapters and Sub Chapters

Chapter titles and sub-chapter titles are written with numbering beginning. Numbering of sub chapters maximum 3 levels, for example: 2.1.1. Printed using Times New Roman 11 pt bold (bold), justified, with a Title Case model (capital letters only at the beginning of the word except for prepositions and conjunctions). To separate the sub-chapters, they are spaced with 1 line space.

2.2 Paragraph Format

Paragraphs start with 1 cm indent spacing for the first line, and between paragraphs without 1

line spacing.

2.3 Tables and Figures

Tables and figures are presented in the center position. As much as possible the tables and figures fit into the column. However, if it is too large, it should be placed at the very top or bottom of the page where it is displayed.

Table 1. Example of Tables in Columns

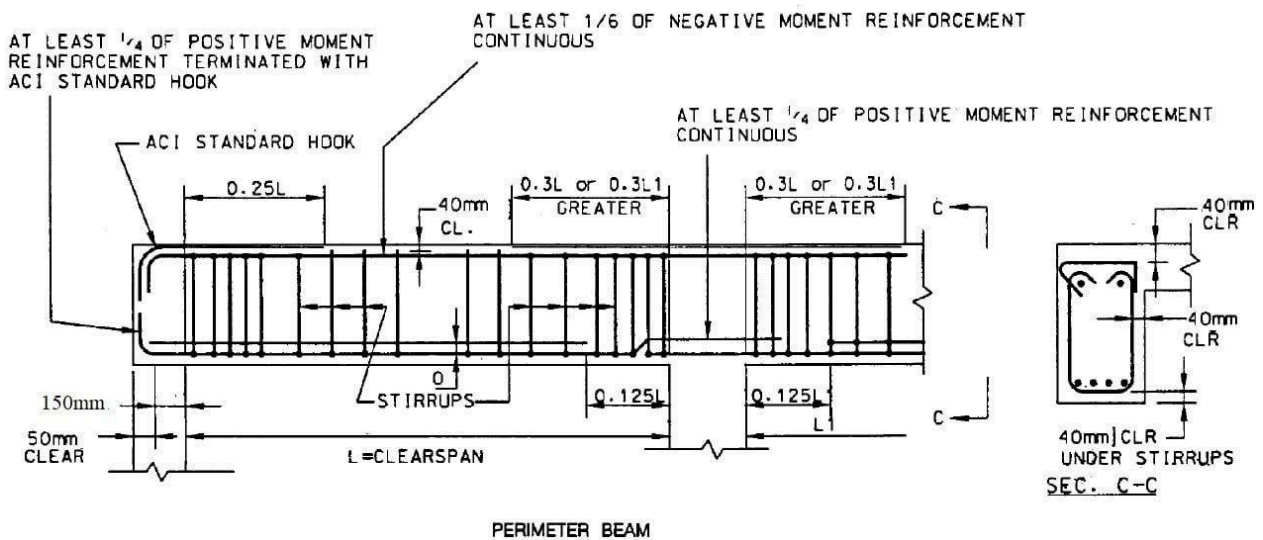
No.	Location	Large	Populatio n

Each table and figure is numbered using a number accompanied by a title.

The letters used for numbers and titles of tables / figures are Times New Roman 10 pt.

Table 2. Example of a table in a column that has a long table title

No.	Product	Year	Request



Picture 1. Example of an image not in a column

The number and title of the table are placed on top of the table in the center position, while the number and title of the image are placed under the image in the center position. Between the number and title of the table / figure with the table / figure are spaced 1 line spacing. If the table title is too long, it is adjusted to the width of the figure or table.

2.4 Formulas / Prepositions

Formulas / prepositions written using Microsoft Equation. Each formula / preposition is numbered using the numbers in brackets written at the end of the right margin, for example:

$$f(x) = \beta_0 + \beta_1 \cdot x \quad (\text{pers. 1})$$

$$f(x) = \beta_1 + \beta_2 \cdot x \quad (\text{pers. 2})$$

2.5 Algorithms and Programs

Algorithms or programming code are written in a textbox and represented as images. Written in Courier New 9 pt letters with an internal margin of up, down, left and right 0.1 cm.

2.6 Reference

All references in the paper must be listed in the bibliography and all references listed in the bibliography must be referred to in the body of the paper. The literature is written in order according to the appearance of references in the body of the paper, not based on the author's alphabet. When citing an article from a journal [1], from book [2], from conference proceedings [3] or from the internet [4], place the reference number in square brackets. To cite several references in sequence, it is done by [1] - [4].

Reference that shows the table reference

source, then the reference is placed in the left position under the table. The reference for the image is positioned left aligned below the image title.

3. Closing

The closing contains conclusions from the contents of the manuscript which answers the problem by writing the results in narrative form. At the conclusion, the processing results can be written which then become the basis for analysis and discussion which is outlined briefly.

Bibliography

Bibliography contains a list of readings referred to in the main article, sorted according to appearance of references in the body of the paper.

Bibliography is written 10-point TNR.

Journal articles:

- [#] Author, "Article title", Journal Title, vol. #, no. #, page, month and year of publication
- [1] M. Stemm and RH Katz, Measuring and reducing energy consumption of network interfaces in hand-held devices, IEICE Transactions on Communications, vol. E80-B, no. 8, 1997, pp. 1125-1131.

Book:

- [#] Author, Book Title, Edition (if any), Place of Publication: Publisher, Year published.
- [2] S. Verdu, Multi-user detection, Cambridge University Press, 1998.

Conference Proceedings:

- [#] Author, "Title of article", Title of Proceeding, volume (if any), page, date of seminar, year.
- [3] L. Clare, G. Pottie and J. Agre, Self organizing distributed sensor networks, Proceedings of the SPIE Conference Unattended Ground Sensor Technologies and Applications, vol. 3713, Orlando, April 1999, pp. 229–237.

Internet:

- [#] Author, "Document Title", Title of website or owner, Date of publication. [On line]. Available: URL [Accessed date month year]
- [4] L. Honeycutt, Communication and Design Course, 1998. Website: <http://dcr.rpi.edu/commdesign/class1.html>, accessed 3 March 2011