



" Write the Title of the Article, Use Capital Letters at the Beginning of the Word" (Maximum 12 Words)

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ARTICLE INFORMATION

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Maximum five words with alphabetic,
written per line per word, use in english.

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ABSTRACT

It is a single paragraph of **200 – 250 words**. In general, the abstract provides a pertinent overview of the work consisting of **background** ($\pm 20\%$); **purpose** ($\pm 15\%$); **method** ($\pm 30\%$); and **result/findings** ($\pm 25\%$) and **implication** ($\pm 10\%$). Write the abstract as **a cohesive tale**, beginning with broad facts of research background (no more than two lines) followed by the research problem, and then adding the purpose, methods, results, and implications. **Avoid mentioning detailed numerical results**. Instead, highlight and emphasize the main conclusion and the implication of the proposed research. (10pt)

1. INTRODUCTION

The easiest way to write your paper to fit the writing format of the Journal ManaTin is to *copy-paste* your paper into this *template*. This *template* will be given to you by the editors of the Journal of ManaTin, if your paper is declared to be published in the Journal of ManaTin, whether revised or not. The writing of foreign terms should be written in *italics*. *Page setup* for the ManaTin is Top, Bottom and Left = 3 cm, Right = 2.5 cm, Gutter = 0". The orientation is Portrait with Mirror margins. The paper size is custom with Width = 7.42 cm and Space = 1.25 cm the layout is Different odds and even with Header = 1.27 cm and Footer = 1.27 cm. The vertical alignment is Top. (Note: The above decimal writing rules are adjusted to the writing rules on *Microsoft Word* uses "." as a decimal sign instead of ",". The rules

of decimal writing in the Journal of ManaTin follow the rules of writing Mathematics).

Research Background; In general, make the introduction section **as comprehensive as possible** for the readers, especially for those in the particular field of research. Begin this section with the existing body of knowledge, from a broader scope/domain to more specific area; highlight the justification of the importance of particular idea to the existing body of knowledge by discussing the past publications. To ensure the comprehensiveness of the research background, write it **at least 1000 words** in length.

State of The Art of The Proposed Research (**This sub-Section is HIGHLY MANDATORY**);

- Synthesize at least 5 recent key literatures (ones most closely related to the proposed research)
- Identify and discuss the research gap;
- State the novelty of the proposed research based on the identified gap;
- Explain the objectives of the proposed research.

Note:

For research idea that comes from the practical problem of a particular industrial case, DO NOT include the detailed description/explanation of the studied system in the Introduction section. Instead, explain it appropriately in the Method Section.

Authors must ensure that their writing does not contain elements of plagiarism. Articles that have been published as proceedings are not accepted for publication in ManaTIn without going through a further process to complete the writing and final research data.

Use this template using styles or copy and paste to make your article writing process easier. Writing very specific terms, especially in foreign languages, uses italics.

2. RESEARCH METHODS

In this guide will be explained about writing *headings*. If your heading exceeds one, use the second level of the heading as below.

Sub Chapter Headings

Headings on the second level are written in **boldface italics** using uppercase and lowercase letters. *Headings* are written left-aligned.

Third-Level Heading

The heading at the third level follows the style of the second level *heading*. Avoid using *headings* of more than three levels.

- Provide structured and sufficient details of methods, techniques and/or approach used in the proposed research. This is to allow the work to be reproduceable (by other scholars) in the future;
- For novel methods/techniques/approaches, describe it in details;
- For well-established methods, techniques, approaches, describe it briefly. Simply cite a reference where readers can find it more detail;
- If quoting directly from a previously published method, use quotation marks and cite the source. If any modifications to existing methods, describe the modification sufficiently;
- For research that includes a survey, interview, etc., Indicate the participants, including demographic data, number of respondents, the rationale of respondent selection, etc.;
- For design of the experiment, describe in details i.e., the experiment procedures, observation characteristics, etc.

Authors must ensure that their writing does not contain elements of plagiarism. Articles that have been published as proceedings are not accepted for publication in ManaTIn without going through a further process to complete the writing and final research data.

The stages followed in research, concept development, or case resolution are written in the methodology section.

3. RESULTS AND DISCUSSION

This section is a mixed results-discussion; Emphasize more on presenting and discussing the main result; Avoid extensive presentation of the following: Raw (input) data; Computation results obtained from step-by-step procedures in many tables and/or figures. Instead, summarize these results in a single concise and meaningful table/figure & draw the conclusion from it; If either raw (input) data or those detailed results are

to be presented, put it in the Appendix section. A maximum of four-page appendix is allowed; A discussion should interpret the significance of the main results/findings, and not just repeat mentioning the result already shown in tables and/or figures; For research on hypothesis testing, explain how the results relate to the hypothesis and provide a succinct explanation of the implications of the findings, particularly in relation to previous related studies; Provide the name and version of any software used and make clear whether computer code used is available.

Mathematical Equation Writing

Mathematical equations should be numbered sequentially and begin with (1) until the end of the paper including appendix. This numbering must begin and end with opening parenthesis and closing parenthesis and right-aligned. Add one blank line above and below the equation. The size in the equation is Full 11pt, Subscript/superscript 9 pt, Sub-Subscript/superscript 8pt, Symbol 12 pt, Sub-symbol 10 pt. *Insert a math equation to write a math equation with a math style.*

$$\begin{aligned} f(t) &= \int_0^t F(u)du + \frac{dg(t)}{dt} \\ f(t) &= \int_0^t F(u)du + \frac{dg(t)}{dt} \end{aligned} \quad (1)$$

All variable writing is *written with italic* with a number index in a *cambria math*. Use the ":" sign to explain the meaning of the variable and "=" if the variable is worth a number or equation. : the amount of data, . The writing of decimal numbers is separated by a comma "," and when more than one use a semicolon, ";", as a separator e.g. (0.234; 123.135; 4562.234). All

$$X_1, \dots, X_n, Y_i, i = 1, \dots, n, NX = 1$$

$X_1, \dots, X_n Y_i, i = 1, \dots, n. NX = 1$ *parentheses* are written with the letters Century Schoolbook, $[(X_1, X_2) (X_1, X_2)_i]$.

The nomenclature of mathematical equations is written in a separate section after the Bibliography.

Theorem and Lemma

Theorem 1. *Section, theorem, lemma, proposition, example, remark or note, example, figure and table should be numbered consecutively for each category. Statements on theorems, lemmas,*

corollaries and propositions should be written in italic.

Evidence. Evidence has been provided

Figures and Tables

On each image should be captioned below the image. The captions on the table are given above the table. The caption is written in lowercase except for the first character of each sentence. The entire image should be numbered sequentially. The image is placed in the center of the page (center alignment), while the table begins at the left *alignment* of the page.

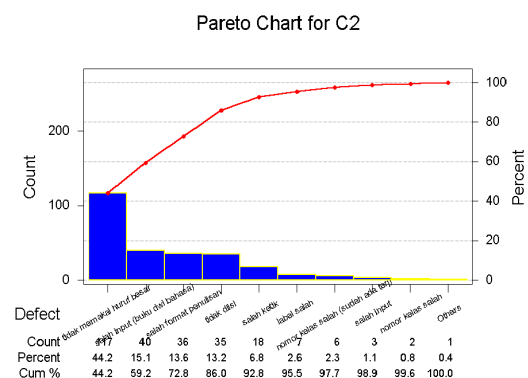


Figure 1. Uppercase Only at the Beginning of the Name
Only Without ending in a period (font size10 pt aligned
center)

Table 1 Data penjualan harian Deily Roll

Days	Brutto Sell	Days	Brutto Sell
1	Rp0	17	Rp0
2	Rp0	18	Rp1.062.000
3	Rp644.000	19	Rp917.000
4	Rp427.000	20	Rp867.000
5	Rp584.000	21	Rp714.000
6	Rp220.000	22	Rp992.000
7	Rp210.000	23	Rp585.000
8	Rp345.000	24	Rp1.047.000
9	Rp315.000	25	Rp606.000
10	Rp240.000	26	Rp892.000
	Rp140.000	Total	Rp16.090.000

4. CONCLUSIONS

Write down the conclusions of your paper and further research suggestions in the form of narratives and not in *bullet* or *numeral form*. The conclusions should clearly answer the research objectives. Highlight the main findings (not detailed numerical results), and elaborate the research implications to the research domain (industrial engineering-related domain) and to the general audience. If the findings are preliminary, suggest future studies that need to be carried out.

ACKNOWLEDGMENTS (not mandatory)

If there is, please write it in this section. Acknowledgments only relate to the source of research funding by writing the contract number.

REFERENCE

Guidelines:

- Author(s) should strictly follow the IEEE reference style. The style should be carefully checked for completeness, accuracy, and consistency;
- Include the DOI (whichever apply);
- The total number of references should be at least 20 references;
- The use of the most recent primary references should be at least 60% of the total number of references;
- The use of Mendeley as a tool in referencing is preferable and encouraged.

The bibliography is written following the following IEEE style format:

[1] Chapter or Article in Edited Book

A. Rezi and M. Allam, "Techniques in array processing by means of transformations, " in Control and Dynamic Systems, Vol. 69, Multidimensional Systems, C. T. Leondes, Ed. San Diego: Academic Press, 1995, pp. 133-180.

[2] Book

Book: Single Author

W.-K. Chen, Linear Networks and Systems. Belmont, CA: Wadsworth, 1993, pp. 123-135

Book: Two or More Authors

U. J. Gelinas, Jr., S. G. Sutton, and J. Fedorowicz, Business Processes and Information Technology. Cincinnati: South-Western/Thomson Learning, 2004.

Book: Organisation as Author

World Bank, Information and Communication Technologies: A World Bank group strategy. Washington, DC: World Bank, 2002.

Book: Government Agency as Author

Australia. Attorney-Generals Department., Digital Agenda Review, 4 Vols. Canberra: Attorney-General's Department, 2003.

Book: No Author

The Oxford Dictionary of Computing, 5th ed. Oxford: Oxford University Press, 2003.

Book: Different Editions

K. Schwalbe, Information Technology Project Management, 3rd ed. Boston: Course Technology, 2004.

[3] Scientific/Technical Report

K. E. Elliott and C.M. Greene, "A local adaptive protocol," Argonne National Laboratory, Argonne, France, Tech. Rep. 916-1010-BB, 1997.

[4] Conference Paper in Print

L. Liu and H. Miao, "A specification based approach to testing polymorphic attributes," in Formal Methods and Software Engineering: Proc. of the 6th Int. Conf. on Formal Engineering Methods, ICFEM 2004, Seattle, WA, USA, November 8-12, 2004, J. Davies, W. Schulte, M. Barnett, Eds. Berlin: Springer, 2004. pp. 306-19.

[5] Conference Paper from the Internet

J. Lach, "SBFS: Steganography based file system," in Proc. of the 2008 1st Int. Conf. on Information Technology, IT 2008, 19-21 May 2008, Gdansk,

Poland [Online]. Available: IEEE Xplore, <http://www.ieee.org>. [Accessed: 10 Sept. 2010].

[6] Conference Proceedings

T. J. van Weert and R. K. Munro, Eds., *Informatics and the Digital Society: Social, ethical and cognitive issues: IFIP TC3/WG3.1&3.2 Open Conf.e on Social, Ethical and Cognitive Issues of Informatics and ICT*, July 22-26, 2002, Dortmund, Germany. Boston: Kluwer Academic, 2003.

[7] E-book

L. Bass, P. Clements, and R. Kazman, *Software Architecture in Practice*, 2nd ed. Reading, MA: Addison Wesley, 2003. [Online] Available: Safari e-book.

[8] Chapter from an E-book

D. Kawecki, "Fuel preparation," in *Combustion Engineering Issues for Solid Fuel Systems*, B.G. Miller and D.A. Tillman, Eds. Boston, MA: Academic Press, 2008, 199-240. [Online] Available: Referex.

[9] Article from an Electronic Encyclopedia

G. S. Thompson and M. P. Harmer, "Nanoscale ceramic composites," in *Encyclopedia of Materials: Science and Technology*, K. H. J. Buschow, R. W. Cahn, M. C. Flemings, B. Ilshner, E.J. Kramer, S. Mahajan, and P. Veyssi re, Eds. Amsterdam: Elsevier, 2001, pp. 5927-5930. [Online]. Available: ScienceDirect.

[10] Journal Article from a Full Text Database

H. Ayasso and A. Mohammad-Djafari, "Joint NDT Image Restoration and Segmentation Using Gauss-Markov-Potts Prior Models and Variational Bayesian Computation," *IEEE Transactions on Image Processing*, vol. 19, no. 9, pp. 2265-77, 2010. [Online]. Available: IEEE Xplore, <http://www.ieee.org>. [Accessed Sept. 10, 2010].

[11] Journal Article from the Internet

P. H. C. Eilers and J. J. Goeman, "Enhancing scatterplots with smoothed densities," *Bioinformatics*, vol. 20, no. 5, pp. 623-628, March 2004. [Online]. Available: www.oxfordjournals.org. [Accessed Sept. 18,

2004].

[12] Electronic Document

European Telecommunications Standards Institute, "Digital Video Broadcasting (DVB): Implementation guidelines for DVB terrestrial services; transmission aspects," European Telecommunications Standards Institute, ETSI TR-101-190, 1997. [Online]. Available: <http://www.etsi.org>. [Accessed: Aug. 17, 1998].

[13] Government Publication

Australia. Department of of Education, Employment and Workplace Relations, *Survey on Changes in Awareness and Understanding of Science, Engineering and Technology: Report on findings*. Canberra: The Department; 2008. [Online]. Available: <http://www.dest.gov.au/NR/rdonlyres/241263CF-8585-4EEC-B104-C947C6C18029/23713/SurveyonChangesinawarenessunderstandingofSET.pdf>. [Accessed: Sept. 7, 2010].

[14] Whole Internet Site

J. Gerald, "Sega Ends Production of Dreamcast," *vnunet.com*, para. 2, Jan. 31, 2001. [Online]. Available: <http://nl1.vnunet.com/news/1116995>. [Accessed: Sept. 12, 2004].

[15] Journal Article in Print: Abbreviated titles

G. Liu, K. Y. Lee, and H. F. Jordan, "TDM and TWDM de Bruijn networks and shufflenets for optical communications," *IEEE Trans. Comp.*, vol. 46, pp. 695-701, June 1997.

[16] Journal Article in Print: Full titles

J. R. Beveridge and E. M. Riseman, "How easy is matching 2D line models using local search?" *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 19, pp. 564-579, June 1997.

[17] Unpublished Thesis

M. W. Dixon, "Application of neural networks to solve the routing problem in communication networks," Ph.D. dissertation, Murdoch Univ., Murdoch, WA, Australia, 1999.

[18] Published Thesis

M. Lehmann, Data Access in Workflow Management Systems. Berlin: Aka, 2006.

[19] Thesis from a Full Text Database

F. Sudweeks, Development and Leadership in Computer-Mediated Collaborative Groups. PhD [Dissertation]. Murdoch, WA: Murdoch Univ., 2007. [Online]. Available: Australasian Digital Theses Program.

NOMENKLATUR (not mandatory)

Nomenclature, accompanied by the meaning of all mathematical equations or other nomenclature in the article, is written in this section.

Δ	meaning of	Delta
E	means the variable	E
Jc	is the meaning of the variable	Jc

AUTHOR BIOGRAPHY (not mandatory)

The biographical statement should include the author(s) full name. In addition, it is also appropriate to discuss a personal history, academic program and/or field placement, and research interests. The biographical statement may **not exceed 75 words** for each named author.