



Instructions for Journal of Industrial Engineering

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ABSTRACT

This article illustrates preparation of your paper using MS-WORD 2007. The manuscript can be written in English or Bahasa Indonesia. The length of manuscript should not exceed 12 pages using A4 single-sided papers. All papers should not be numbered. The title of papers should contain the brief title, the authors, the affiliation or company name, address, zip code, and email address. The title uses 16pt Trebuchet MS. The authors' names are bolded in 11pt Trebuchet MS and followed by the details for each author in 10pt Trebuchet MS. The remainder of the paper should be typed in 11pt Trebuchet MS. Do not hesitate if you need any information about the format, you can email to jie-presuniv@president.ac.id.

Keywords: more than six keywords should also be included.

ABSTRAK

Abstract should be written in English and Bahasa Indonesia

1. Introduction

The paper is formatted into single columns with single spacing and Top vertical alignment. The page setup for Journal of Industrial Engineering (JIE): Top and inside = 1.2", Bottom and outside = 0.8", Gutter = 0". The paper size is A4 with portrait and mirror margin. The layout is Different odd and even with Header = 0.7" and Footer = 0.3". To make sure that the paper is properly formatted to the requirement is to use this document as a template and copy paste your content into this document.

2. Methods

2.1 Headings

The paper consists of abstract, introduction, methods, result and discussion, as well as conclusion. Each section should be separated with two single spaces, except one single space for headings and second level headings.

2.1.1 Second-level Headings 1

The manuscript can be written here.

2.1.2 Second-level Headings 2

The manuscript can be written here.

2.2 Headings

The manuscript can be written here.

3. Result and Discussion

Equations are written using Microsoft Equation (Cambria Math 10 pt) and numbered consecutively beginning with (1) to the end of the paper.

$$P_{ij}^k = \begin{cases} \frac{[\tau_{ij}]^\alpha [\eta_{ij}]^\beta}{\sum_{k \in \theta} [\tau_{ik}]^\alpha [\eta_{ik}]^\beta} & \text{if } j \in \theta \\ 0 & \text{otherwise} \end{cases} \quad (1)$$

Tables and figures should be numbered sequentially using Arabic numeral. All tables and figures should be named and centered. The caption of a table should appear at the top of table in Trebuchet MS 9 pt. The caption of a figure should be appearing at the bottom of the figure in Trebuchet MS 9 pt. Insert figures and tables after they are cited in the text

Table 1. Example of writing table numbers and titles

Experiment	α	β	γ	Number of Vehicles	Total Tour Duration Time(min)	ROT	Z
1	1	5	0.5	8	2,150.65	314.50	1,015,065.02
2	1	5	0.5	9	2,070.95	266.10	1,107,095.01
3	1	5	0.5	9	1,971.27	305.84	1,097,127.02
4	1	5	0.5	9	2,112.67	174.93	1,111,267.01
5	1	5	0.5	7	1,406.45	299.16	840,645.01
6	1	5	0.5	8	2,150.65	314.50	1,015,065.02
Mean				8.333	1,942.40	272.31	1,034,239.81
Standard Deviation				0.816	306.99	57.48	115.154.77

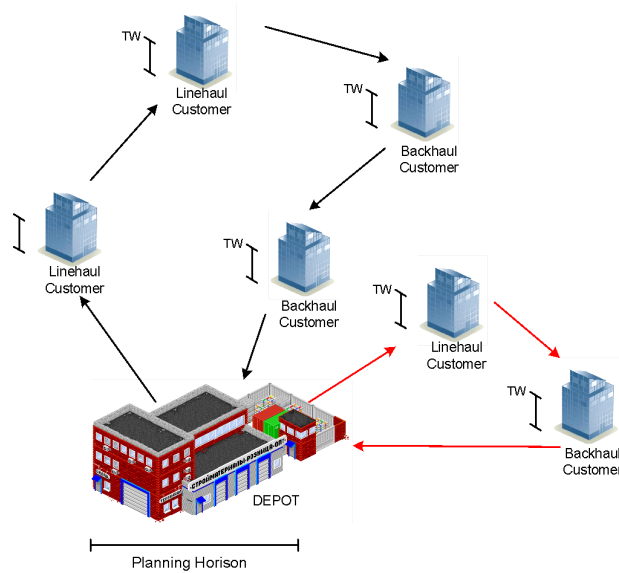


Figure 1. System architecture for VRPBMTTW

3.1 Citing References

A reference should be written as the first author's name and followed by a year of publication, e.g. (Fellysia, 2008). Two authors can be written as the first author and the second author, followed by a year of publication, e.g. (Dorigo & Stutzle, 2004). If there are three authors or more, a reference should be written as the first author followed by 'et al.', for instance, (Bin et al., 2009).

The minimal reference used was 20 reference dates (at least 10 years of writing articles, unless the discussion is limited) Content writing is not the responsibility of the editor, and the editor reserves the right to make changes and correct grammar in every script that is loaded.

4. Conclusion

This section is only for your brief conclusion.

References (using APA 7Ed)

1. Bin, Y., Zhong-Zhen, Y., and Baozhen, Y. (2009). An improved ant colony optimization for vehicle routing problem, *European Journal of Operational Research*, 196(1),171-176. <https://doi.org/10.1016/j.ejor.2008.02.028>
2. Suprayogi. (2003). Vehicle routing problem: definition, variants, and application, *Proceeding Seminar Nasional Perencanaan Sistem Industri 2003 (SPNS 2003)*, Bandung.
3. Dorigo, M., and Stützle, T. 2004. *Ant Colony Optimization*, Massachusetts Institute of Technology, London.
4. Felysia, T., (2008). Pengembangan Algoritma *Non-Delay Scheduling* dengan Kendala Jumlah Mesin Majemuk, Tugas Akhir, Jurusan Teknik Industri, Universitas Presiden.

Appendix