**JURNAL OPTIMASI SISTEM INDUSTRI (JOSI)**

**THE MANUSCRIPTS TEMPLATE (FORMAT AND STRUCTURE)**

Before consulting the JOSI template on page 2, authors should carefully read the following instruction for preparing the manuscript. **The instruction should be strictly followed**, as failure to comply may result in **a delay in the editorial process** or even **the rejection of the manuscript** at the submission stage.

**INSTRUCTION**

1. The Manuscript language is English. Make sure to **proofread** the manuscript writing before submission;
2. The Indonesian language is only acceptable at the time of submission. However, this may cause a delay in the manuscript evaluation process since the majority of the journal’s reviewers are non-Indonesian national. If the Indonesian language is to be used, the manuscript should be translated into a proofread English version after the acceptance decision for publication;
3. The Manuscript **should be written in Ms. Word file**; Other file formats (LaTeX, PDF, etc.) are NOT acceptable.
4. The manuscript writing is a single-column, NO specific page margins or line spacing are required.
5. The main body of the manuscript should be strictly divided into 4 (four) mandatory sections, i.e., **Introduction, Methods, Results and Discussion, and Conclusion**; written in bold capital letters.
6. The introduction section should be divided into two sub-sections i.e., **Research Background**, and **State of The Art of The Proposed Research** (see page 2);
7. The length of manuscript can be any number of pages, but **the main body** (as indicated under point e) **should be at least contain 5000 words**, excluding words in abstract and keywords, tables, references, acknowledgement, etc.;
8. The manuscript should refer to **a minimum of 25 references**; cite the most recent primary references i.e., the publication from **internationally reputable journals** and/or **conference proceedings published in the last 10 years**;
9. The manuscript length should NOT be used-up/consumed trivially by over-detailing common theoretical foundations (basic theory) of a particular knowledge;
10. The equations, tables and Figures should be placed at the nearest possible place to the text when it is first mentioned in the manuscript;
11. The equation should be written using **equation editor**, NOT as plain text OR in image format;
12. The tables should be created in **tabular (table format)**; NOT as picture/image format;
13. The figures should be kept at the smallest possible size as long as all information it contains is of clear resolution and readable;
14. Figures created in MS Word, MS PowerPoint and/or MS Excel should be supplied in their native formats;
15. Electronic figures created in other applications (*software*) should be copied from the origin source;
* **Do not remove /delete any information on** **page 1 (above)**
* **Write the manuscript** according to the exact format/structure below; **All information in bold letter must be written as it is**.

***Your manuscript starts below …..***

**Article type:** [*See “Author Guidelines” on JOSI website to determine a correct article type*]

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**Manuscript Title:**

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**Corresponding Author:**

Name : …………

Email : …………

Phone : …………

**ABSTRACT:**

Guidelines:

* It is a single paragraph of **200 – 250 words**;
* In general, the abstract provides a pertinent overview of the work consisting of **background** (±20%); **purpose** (±15%); **method** (±30%); and **result/findings** (±25%) and **implication** (±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.

**Keywords:**

Guidelines:

* Write 4-5 keywords that are most related/relevant to the proposed research;
* Each keyword should be explicitly written in the abstract.

**INTRODUCTION**

Guidelines:

* 1. **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.
	1. **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.

**METHODS**

Guidelines:

* 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.

**RESULT AND DISCUSSION**

Guidelines:

* 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.

**CONCLUSION**

Guidelines:

* 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**

[*Please see “Author Guidelines” on JOSI website*]

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**FUNDING**

[*Please see “Author Guidelines” on JOSI website on how to write the funding statement*]

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**References** [*Please see “Author Guidelines” on JOSI website on how to style the reference information*]

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 25 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](https://josi.ft.unand.ac.id/index.php/josi/refman).

**APPENDIX** [*if any*]

**A.1 Caption 1**

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**A.2 Caption 2**

……………………….

**A.2 Caption *n***

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**AUTHOR(S) BIOGRAPHY**

Guidelines:

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.