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**[JOSI] Desk Evaluation - Suggestion for improvement**

2 messages

**Editor JOSI** <editor\_josi@eng.unand.ac.id>

Sun, Jun 21, 2020 at 5:06 PM

To: "Ig. Jaka Mulyana" &lt;jmulyono@ukwms.ac.id&gt;, "ivangunawan@ukwms.ac.id" &lt;ivangunawan@ukwms.ac.id&gt;, "yuniaveraangelia@gmail.com" &lt;yuniaveraangelia@gmail.com&gt;

Dear Authors {Ig. Jaka Mulyana}

Thank you for submitting your manuscript "A Hybrid Simulation Study to Determine an Optimal Maintenance Strategy" to Jurnal Optimasi Sistem Industri (Journal on Optimization of System at Industries - JOSI). After careful consideration by our editors, we decided to postpone sending it out to external peer reviewers because we think that your manuscript should be revised and improved to meet JOSI's general requirement. Primary concerns expressed were that:

1. The number of page is insufficient. JOSI requires a manuscript of 10-15 pages.
2. The idea of the proposed research is interesting. However, the review of the previous articles on related work is lacking. Thus, the novelty of the proposed research is not clear.
3. The method section is too brief. Please improve it to be more comprehensive.

I recommend you to revise the manuscript based on the above suggestions. If you agree, please resubmit a revised version of the manuscript by **Juli 1, 2020**.

Otherwise, our system will automatically discard the current version, which means that it is rejected.

I hope you find this information helpful. We are looking forward to hearing from you soon. Thank you.

Sincerely,

**Dr. Eng. Dicky Fatrias**  
**JOSI Managing Editor**  
**Dept. of Industrial Engineering, Andalas University**  
**INDONESIA**

**JOSI Editorial Team**  
**Andalas University, West Sumatera - INDONESIA**

[Universitas Andalas](#) is a public university in Pauh, Padang, West Sumatra, Indonesia.



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Dear Dr. Eng. Dicky Fatrias  
JOSI Managing Editor  
Dept. of Industrial Engineering, Andalas University

Thank you for the opportunity to revise our paper to be a possibility that is accepted in your journal. In accordance with the primary concerns, we have revised our paper and tried to resubmit it. However, we are not sure about how to resubmit it in the system. In this email we attach the picture to show you where we resubmit the manuscript. If we are wrong, please let us know. Thank you.

Dr. Ivan Gunawan  
Universitas Katolik Widya Mandala Surabaya

### Editor Decision

Decision --  
Notify Editor  Editor/Author Email Record  No Comments  
Editor Version None  
Author Version [446-1737-1-ED.docx](#) 24-06-2020 [Delete](#)  
Upload Author Version  No file chosen

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**Faithfully Yours,**

**Dr. Ivan Gunawan**

Industrial Engineering Dept.  
Universitas Katolik Widya Mandala Surabaya

*The more that you read, the more things you will know. The more that you learn, the more places you'll go.*

*-Dr. Seuss-*

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**[JOSI] Editor Decision**

2 messages

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**Editor JOSI** <editor\_josi@eng.unand.ac.id>  
To: Ivan Gunawan <ivangunawan@ukwms.ac.id>

Thu, Aug 27, 2020 at 9:50 AM

Dear Author [Ivan Gunawan];

We have reached a decision regarding your submission to Jurnal Optimasi Sistem Industri, "A Hybrid Simulation Study to Determine an Optimal Maintenance Strategy".

**Our decision: Revision**

The review result can be seen below. In order to respond to the review result, author(s) may choose **one or both** of the following options:

1. Revise the manuscript based on the editor's and/or reviewers' comment, question and/or suggestion.  
The revisions (data/information) are written in the revised manuscript file exactly at the corresponding part/section/sentences (if possible). Any revision parts should be given a marker (i.e., different font color, etc.) to facilitate editorial team to identify and examine the revision provided.
2. Provide argumentation to disclaim/dispute against the editor's and/or reviewers' comment, question and/or suggestion.  
The dispute must be accompanied by strong arguments and supported by valid and sufficient evidences. It is written in a separate file (different from revised manuscript file) by putting out statement/correction/suggestion to be disputed.

**The due date of revision: September 10, 2020**

I hope this information is useful. If you have any question, please feel free to contact us. Thank you.

**Best Regard,****Dr. Eng. Dicky Patrias**  
**JOSI Managing Editor**  
**Andalas University**=====  
**Review Results:**

1. Introduction Section: first paragraph, last 2 sentences, Authors explain: "However, to date, there are still very few studies that consider a system perspective of the maintenance strategy in the supporting system of a process industry. Most previous maintenance studies only focused on the main system."  
Please add a review and discussion of some previous literature to justify these statements.
2. Introduction Section: Please add one more paragraph which describes a brief overview of a whole manuscript presentation.
3. The Amount of Downtime in the Sewing department is the highest in the process. Please highlight about this issue by providing more detailed analysis. For example, authors may add a brief FMEA analysis, or any other analysis to explore such issue.

4. The author should **proofread the manuscript writing** to improve English grammar, fix sentences' technical inaccuracy, and sentences' connection and flow. Failing to fulfill this requirement may delay processing of your manuscript toward the next stage.

**Some examples of those issues (note that authors should check these issues thoroughly in the manuscript):**

**Issue: Grammatical error**

**[Written]** Then, a review of all machines PPM time interval comprehensively is required.

**[Proposed revision]** **Therefore**, a **comprehensive** review of ~~machines-PPM's~~ time interval ~~comprehensively~~ **for all machines** is required.

**Issue: Sentences' technical inaccuracy:**

**[Written]** To tackle the limitation of showing an exact optimal point, some studies combined MSC with other methods known as hybrid simulation-analytical modeling such as in [7] and [8].

**[Proposed revision]** To tackle ~~the such~~ limitation ~~of showing an exact optimal point~~, some studies combined MSC with other methods known as hybrid simulation-analytical modeling ~~such as in~~, as demonstrated in [7] and [8].

**[Written]** If there is a problem with the scissors, it may cause knitting jams, the yarn cannot perfectly cut, and the worst case is the shear drive broken. Moreover, if there is a problem with the throat plate, it may cause knitting failure, and the worst situation is that the throat plate will break.

**[Proposed revision]** . If there is a problem with the scissors, it may cause knitting jams, ~~the imprecise cut of~~ yarn ~~cannot perfectly cut~~, **and in** the worst case, ~~is break~~ the shear drive ~~broken~~. **Moreover Similarly**, if there is a problem with the throat plate, it may cause knitting failure, and ~~even break~~ ~~the worst situation is~~ ~~that~~ the throat plate ~~will break~~.

**Issue: Sentences' technical inaccuracy, and sentences' improper connection and flow.**

**[Written]** PM can be time-based or condition-based. Condition-based PM is determined according to the results of condition monitoring. Whereas time-based PM or planned preventive maintenance (PPM) is conducted at scheduled times or periodically [3].

**[Proposed revision]** PM can be **condition-based** or **time-based approach**. **While the** condition-based PM is determined according to the results of **system's state** ~~condition~~ monitoring-, ~~Whereas the~~ time-based PM or planned preventive maintenance (PPM) is conducted at scheduled times or periodically [3].

**[Written]** In this study, MCS and SD will be employed to analyze the influence maintenance strategy on the whole system in a process industry. MCS is used to find the possible alternatives of PPM time interval for each machine. MCS is used to find the possible alternatives of PPM time interval for each machine. Then, the SD will review the results of the MCS in relation to the whole system. The combination of MCS and SD in solving a problem is eligible to be called hybrid simulation. The way this hybrid simulation work is to use the result from MCS as an input for SD to find the solution.

**[Proposed revision]** This study integrates MCS and SD to analyze the influence of maintenance strategy in a process industry. Particularly, in the proposed hybrid simulation work, the methods of MCS and SD is combined in such a way that MCS is used to find the possible alternatives of PPM's time interval for each machine, from which SD then reviews the results of the MCS from the perspective of whole system to find the optimal solution.

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**Ivan Gunawan** <ivangunawan@ukwms.ac.id>  
To: "Ig. Joko Mulyono" <jmulyono@ukwms.ac.id>

Mon, Aug 31, 2020 at 7:48 AM

[Quoted text hidden]



Ivan Gunawan <ivangunawan@ukwms.ac.id>

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## [JOSI] Editor Decision

1 message

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**Editor JOSI** <editor\_josi@eng.unand.ac.id>

Sat, Oct 17, 2020 at 8:46 PM

To: Ivan Gunawan <ivangunawan@ukwms.ac.id>

Dr. Ivan Gunawan:

We have reached a decision regarding your submission to Jurnal Optimasi Sistem Industri, "A Hybrid Simulation Study to Determine an Optimal Maintenance Strategy".

Our decision is to: Accept Submission

Best Regard,  
Dr. Eng. Dicky Fatrias  
JOSI Managing Editor  
Universitas Andalas, West Sumatra

[Universitas Andalas](#) is a public university in Pauh, Padang, West Sumatra, Indonesia.

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