



Muhammad Ruswandi Djalal Jurusan Teknik Mesin <wandi@poliupg.ac.id>

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## [IJAI 2020-2021] Paper 1570715059 has been registered

1 message

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**ijai.iaes@gmail.com** <ijai.iaes@gmail.com@edas.info>  
Reply-To: ijai.iaes@gmail.com  
To: Muhammad Ruswandi Djalal <wandi@poliupg.ac.id>  
Cc: ijai.iaes@gmail.com

Sun, Apr 4, 2021 at 4:30 PM

Dear Mr. Muhammad Djalal:

Thank you for registering your paper 1570715059 ('Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System') to IAES International Journal of Artificial Intelligence (IJ-AI), a Scopus indexed journal. You still have to upload your manuscript at <https://edas.info/uploadPaper.php?m=1570715059>.

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<https://edas.info/index.php?c=27307>

using your EDAS user id [wandi@poliupg.ac.id](mailto:wandi@poliupg.ac.id).

Once you upload your manuscript, you will receive another email confirmation. Confirmations for ftp submissions may take up to one hour since the ftp directory is swept only periodically.

.Regards,  
Assoc. Prof. Dr. Tole Sutikno  
Managing Editor,  
IAES International Journal of Artificial Intelligence (IJ-AI)  
ISSN/e-ISSN 2089-4872/2252-8938  
website: <http://ijai.iaescore.com>  
email: [ijai@iaesjournal.com](mailto:ijai@iaesjournal.com), [ijai.iaes@gmail.com](mailto:ijai.iaes@gmail.com)

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Muhammad Ruswandi Djala Jurusan Teknik Mesin <wandi@poliupg.ac.id>

## First screening #1570715059, entitled: Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System

1 message

ijai.iaes@gmail.com <ijai.iaes@gmail.com@edas.info>

Tue, Apr 27, 2021 at 6:41 AM

Reply-To: ijai.iaes@gmail.com

To: Marhatang Marhatang <marhatang@poliupg.ac.id>, Muhammad Ruswandi Djala <wandi@poliupg.ac.id>

- Please Strictly use and follow to the template Manuscripts:
- <https://iaescore.com/gfa/ijai.docx>
- Failing to do proper revision may lead to the rejection of your paper.

Dear Mr. Marhatang Marhatang,

We have reached an initial screening phase regarding your paper submission #1570715059 entitled Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System to IAES International Journal of Artificial Intelligence (IJ-AI), a Scopus indexed journal.

Our decision is: Revisions Required before review process

A high quality paper should has:

- (1) a clear statement of the problem the paper is addressing;
- (2) the proposed solution(s); and
- (3) results achieved. It describes clearly what has been done before on the problem, and what is NEW.

The goal of your first revision is to describe NOVEL technical results.

Please note that there are four (4) types of technical results:

- (1) An algorithm;
- (2) A system construct: such as hardware design, software system, protocol, etc.;
- (3) A performance evaluation: obtained through analyses, simulation or measurements;
- (4) A theory: consisting of a collection of theorems.

Your revisions should focus on:

- (1) Describing the results in sufficient details to establish their validity;
- (2) Identifying the novel aspects of the results, i.e., what new knowledge is reported and what makes it non-obvious;
- (3) Identifying the significance of the results: what improvements and impact do they suggest.

The main goal of this stage is to ensure that the next person who designs a system like yours doesn't make the same mistakes and takes advantage of some of your best solutions. So make sure that the hard problems (and their solutions) are discussed and the non-obvious mistakes (and how to avoid them) are discussed.

Original/Research paper should be presented with IMRaD style/model:

1. Introduction
2. The Proposed Method/Algorithm/Procedure specifically designed (optional).  
Authors may present complex proofs of theorems or non-obvious proofs of correctness of algorithms after introduction section (obvious theorems & straightforward proofs of existing theorems are NOT needed).
3. Research Method
4. Results and Discussion
5. Conclusion.

We will usually expect a minimum of 25 to 30 references primarily to journal papers, depending on the length of the paper. You can found our published papers to enrich your references at:

- <http://journal.uad.ac.id/index.php/telkomnika>
- <http://beei.org>
- <http://ijped.s.iaescore.com>
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Submit your revised paper within 14 days, and do serious work for updating your paper (upload as new review manuscript version on the same paper ID number) through EDAS online system. When your revised paper reached us, it will be sent for single blind peer review by at least three reviewers who will either be members of the Editorial Board or others of similar standing in the field, for contribution, originality, relevance, and presentation. Then, your paper will be judged for final decision of acceptance or rejection.

We look forward to receiving the revised version of your manuscript and are delighted that you chose to send this important work to this journal, Scopus indexed.

Best Regards,  
Assoc. Prof. Dr. Tole Sutikno  
Managing Editor,  
IAES International Journal of Artificial Intelligence (IJ-AI)  
ISSN/e-ISSN 2089-4872/2252-8938  
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Muhammmad Ruswandi Djala Jurusan Teknik Mesin <wandi@poliupg.ac.id>

## [IJAI 2020-2021] Decision for paper 'Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System'

1 message

ijai.iaes@gmail.com <ijai.iaes@gmail.com@edas.info>

Thu, Jun 10, 2021 at 3:24 PM

Reply-To: ijai.iaes@gmail.com

To: Marhatang Marhatang <marhatang@poliupg.ac.id>, Muhammad Ruswandi Djala <wandi@poliupg.ac.id>

- Please strictly use and adhere to the template Manuscripts:
- <https://iaescore.com/gfa/ijai.docx> to avoid delays
- Please upload the revised paper within 8 weeks.
- Similarity score of your final manuscript less than 25%
- Failing to do proper revision may lead to the rejection of your paper.

=====

Dear Mr. Marhatang Marhatang,

After careful review, your paper #1570715059 "Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System" for the IAES International Journal of Artificial Intelligence (IJ-AI) requires MAJOR REVISIONS before being accepted for publication in our Scopus indexed journal. The reviews are below or can be found at <https://edas.info/showPaper.php?m=1570715059>, using your EDAS login name [marhatang@poliupg.ac.id](mailto:marhatang@poliupg.ac.id). You are asked to submit a revised full manuscript, according to the comment from reviewers. The Technical Program Committee (TPC)/Editors will check whether the revision already address the reviewers' comments. Enrich content relate to artificial intelligence aspects. Failing to do proper revision may lead to the rejection of your paper.

Please upload the revised paper using EDAS on the "Revision" upload button within 8 weeks.

Note: If you have any responses, comments or questions, please send a message to email: [ijai@iaesjournal.com](mailto:ijai@iaesjournal.com).

Thank you for your cooperation.

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Submit paper: <https://edas.info/N27307>

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 ===== Review 1 =====

> \*\*\* Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.  
 Good (4)

> \*\*\* Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.  
 Valid work but limited contribution. (3)

> \*\*\* Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.  
 Some interesting ideas and results on a subject well investigated. (3)

> \*\*\* Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.  
 Readable, but revision is needed in some parts. (3)

> \*\*\* Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.

In this paper, the authors have used particle swarm optimization (PSO) to propose a smart method to optimize the cost of generating thermal plants in the South Sulawesi system. They have also used the Lagrange method, ant colony optimization and PSO. However, I have the following comments before its possible publication in this esteemed journal.

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2. Similarly, ACO is reported to converge at the 34th iteration. It is quite surprising. Please discuss in detail.
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4. The motivation behind the PSO needs to be mentioned in the Introduction.
5. What is  $P_{\{R\}}$  in Figure 1? Explain about it.
6. Specify the range of  $\alpha_{\{i\}}$ ,  $\beta_{\{i\}}$  and  $\gamma_{\{i\}}$  in Eq. 2.
7. It is better to use MathType to write the equations.
8. For Eq. 10, what is the value of  $w$ ? Refer Energy efficient clustering and routing algorithms for wireless sensor networks: Particle swarm optimization approach paper.
9. Figure 2 can be cross-checked with Energy-efficient clustering and routing algorithms for wireless sensor networks: Particle swarm optimization approach paper. Some of the important points are missing.
10. Figure 4: Why the value is abruptly changed in 10 units?

=====  
Review 2  
=====

> \*\*\* Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.

Good (4)

> \*\*\* Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.

Valid work but limited contribution. (3)

> \*\*\* Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.

Some interesting ideas and results on a subject well investigated. (3)

> \*\*\* Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.

Readable, but revision is needed in some parts. (3)

> \*\*\* Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.

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10. Figure 4: Why the value is abruptly changed in 10 units?

=====  
Review 3  
=====

> \*\*\* Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.

Good (4)

> \*\*\* Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.

Solid work of notable importance. (4)

> \*\*\* Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.

Significant original work and novel results. (4)

> \*\*\* Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.

Well written. (4)

> \*\*\* Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.

The major reason to accept the paper is because of the interesting results proposed by the authors.

I consider the paper important, it has a good degree of novelty and technical deep.

=====  
Review 4  
=====

> \*\*\* Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.

Good (4)

> \*\*\* Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.

Solid work of notable importance. (4)

> \*\*\* Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.

Significant original work and novel results. (4)

> \*\*\* Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.

Well written. (4)

> \*\*\* Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.

The major reason to accept the paper is because of the interesting results proposed by the authors.

I consider the paper important, it has a good degree of novelty and technical deep.

=====  
Review 5  
=====

> \*\*\* Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.

Poor (1)

> \*\*\* Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.

Marginal work and simple contribution. Some flaws. (2)

> \*\*\* Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.

Minor variations on a well investigated subject. (2)

> \*\*\* Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.

Substantial revision work is needed. (2)

> \*\*\* Detailed comments: Please justify your recommendation and suggest improvements in technical content or

presentation.

This manuscript proposes using a variation of PSO to tackle the dispatch problem. They focus on the South Sulawesi transmission system to optimize the generation cost. They use Ant Colony Optimization (ACO) and Lagrange method to compare to their proposal.

They apply the method in the South Sulawesi system consisting of thermal and hydro plants. They include additional conditions in the optimization process derived from some characteristics of the generators and the actual topology of the transmission network.

The first observation regarding this work is the lack of a clear contribution. The authors claim that it resides in the use of smart PSO combined with additional conditions, but the authors fail to highlight how this proposal differs compared with other works in the literature.

They only mention the consideration of the transmission losses and limits of plant equality and inequality, but this is already explored in previous works.

I suggest taking into consideration the work from Abbas et al. (G. Abbas, J. Gu, U. Farooq, M. U. Asad and M. El-Hawary, "Solution of an Economic Dispatch Problem Through Particle Swarm Optimization: A Detailed Survey - Part I," in IEEE Access, vol. 5, pp. 15105-15141, 2017, doi: 10.1109/ACCESS.2017.2723862.)

The application of this technique to a system that was not previously studied is interesting and I encourage the authors to continue to support the resolution of local scenarios, but they have to complement this with a clear contribution in the technique or methodology.

EDITOR comments: We would like your cooperation with the double check of your revised paper

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(1) TEMPLATE, Please Strictly use and follow to the template Manuscripts (Word Format): <https://iaescore.com/gfa/ijai.docx>

(2) Authors are suggested to present their articles with IMRaD sections structure (outline): Introduction - The Proposed Method/Algorithm/Procedure specifically designed (optional) - Research Method - Results and Discussion - Conclusion. Authors may present complex proofs of theorems or non-obvious proofs of correctness of algorithms after introduction section (obvious theorems & straightforward proofs of existing theorems are NOT needed).

(3) Introduction section: explain the context of the study and state the precise objective. An Introduction is presented within 3-6 paragraphs, and it should contain the following three parts:

- Background: Authors have to make clear what the context is. Ideally, authors should give an idea of the state-of-the art of the field the report is about.

- The Problem: If there was no problem, there would be no reason for writing a manuscript, and definitely no reason for reading it. So, please tell readers why they should proceed reading. Experience shows that for this part a few lines are often sufficient.

- The Proposed Solution: Now and only now! - authors may outline the contribution of the manuscript. Here authors have to make sure readers point out what are the novel aspects of authors work.

Authors should place the paper in proper context by citing relevant papers. At least, 10 recently published articles are cited in this section.

(4) Method section: the presentation of the experimental methods should be clear and complete in every detail facilitating reproducibility by other scientists.

(5) Results and discussion section: The presentation of results should be simple and straightforward in style. This section report the most important findings, including results of statistical analyses as appropriate and comparisons to other research results. Results given in figures should not be repeated in tables. This is where the author(s) should explain in words what they discovered in the research. It should be clearly laid out and in a logical sequence. This section should be supported suitable references.

(6) (URGENT)!!! About Figures & Tables in your manuscript:

- Because tables and figures supplement the text, all tables and figures should be REFERENCED in the text. Authors MUST EXPLAIN what the reader should look for when using the table or figure. Focus only on the important point the reader should draw from them, and leave the details for the reader to examine on her own.

- Tables are to be presented with single horizontal line under: the table caption, the column headings and at the end of the table. All tables are produced by creating tables in MS Word. Captured tables are NOT allowed.

- All figures MUST be prepared by yourself and presented in high quality images

(7) Conclusion section: Summarize sentences the primary outcomes of the study in a paragraph. Are the claims in this section supported by the results, do they seem reasonable? Have the authors indicated how the results relate to expectations and to earlier research? Does the article support or contradict previous theories? Does the conclusion explain how the research has moved the body of scientific knowledge forward?

(8) Most importantly, please ensure the similarity score is less than 25%. You can refer to EDAS to see the similarity score of your paper. Any paper with a similarity score of more than 25% will be dropped. Please make sure your revised paper follow this rule. If the similarity score of final version is more than 25%, the TPC has the right to cancel the paper to be published in this journal.

(9) Each citation should be written in the order of appearance in the text in square brackets. For example, the first citation [1], the second citation [2], and the third and fourth citations [3,4]. When citing multiple sources at once, the preferred method is to list each number separately, in its own brackets, using a comma or dash between numbers, as such: [1], [3], [5] or [4-8]. It is not necessary to mention an author's name, pages used, or date of publication in the in-text citation. Instead, refer to the source with a number in a square bracket, e.g. [9], that will then correspond to the full citation in your reference list. Examples of in-text citations:

This theory was first put forward in 1970 [9]."

Sutikno [10] has argued that...

Several recent studies [7], [9], [11-15] have suggested that....

...end of the line for my research [16].

(10) Please ensure the maximum page of your final paper is 8-page, but still allowed up to 14 pages (required to pay an extra fee).





Muhammad Ruswandi Djala Jurusan Teknik Mesin &lt;wandi@poliupg.ac.id&gt;

## [IJAI 2020-2021] Decision for paper 'Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System'

1 message

IJAI 2020-2021 (ijai.iaes@gmail.com) &lt;ijai.iaes@gmail.com@edas.info&gt;

Thu, Jul 22, 2021 at 8:35 AM

Reply-To: IJAI 2020-2021 &lt;ijai.iaes@gmail.com&gt;

To: Marhatang Marhatang &lt;marhatang@poliupg.ac.id&gt;, Muhammad Ruswandi Djala &lt;wandi@poliupg.ac.id&gt;

- Please strictly use and adhere to the template Manuscripts: <https://iaescore.com/gfa/ijai.docx> to avoid delays
- Please upload the revised paper within 8 weeks.
- Similarity score of your final manuscript less than 25%
- Failing to do proper revision may lead to the rejection of your paper.

Dear Mr. Marhatang Marhatang,

After careful review, your paper #1570715059 "Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System" for the IAES International Journal of Artificial Intelligence (IJ-AI) requires MAJOR REVISIONS before being accepted for publication. The IJ-AI, ISSN/e-ISSN 2089-4872/2252-8938 is indexed in Scopus/ScimagoJR; SJR of 0.341 (2020), Q2 under Electrical and Electronic Engineering, and Information Systems and Management categories; SNIP of 1.276 (2020) and CiteScore of 1.6 (2020). The scope covers all artificial intelligence (AI) and machine learning (ML) areas and their applications.

The reviews are below or can be found at <https://edas.info/showPaper.php?m=1570715059>, using your EDAS login name [marhatang@poliupg.ac.id](mailto:marhatang@poliupg.ac.id). You are asked to submit a revised full manuscript, according to the comment from reviewers. For improving your paper, please read our published papers and cite them as appropriate. Search within <https://www.scopus.com/results/results.uri?sort=plf-f&src=s&sid=e9a64dd58bad014f334ffaa9113addc2&sot=a&sdt=a&sl=104&s=SOURCE-ID+%2821100373959%29+OR+SOURCE-ID+%2821100373959%29+OR+SOURCE-ID+%2821100826382%29+OR+SOURCE-ID+%2821100901206%29&origin=searchadvanced&editSaveSearch=&txGid=216633eacb8ada209ff2a6961d037770> (you must have an access to [scopus.com](https://www.scopus.com)) in the upper left side by typing your keywords to find related papers. For your information, according to international regulations, similarity score of camera-ready paper must be less than 25%. Single author is PROHIBITED. The Technical Program Committee (TPC)/Editors will check whether the revision already address the reviewers' comments. Enrich content relate to artificial intelligence aspects. Failing to do proper revision may lead to the rejection of your paper.

Please your revised paper through the "Revision" upload button on EDAS platform within 8 weeks. Note: If you have any responses, comments or questions, please send a message to email: [ijai@iaesjournal.com](mailto:ijai@iaesjournal.com).

Thank you for your cooperation.

Best Regards,  
Assoc. Prof. Dr. Tole Sutikno  
Managing Editor,  
IAES International Journal of Artificial Intelligence (IJ-AI)  
ISSN/e-ISSN 2089-4872/2252-8938  
website: <http://ijai.iaescore.com>  
email: [ijai@iaesjournal.com](mailto:ijai@iaesjournal.com), [ijai.iaes@gmail.com](mailto:ijai.iaes@gmail.com)

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### Review 1

**Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.**

Good (4)

**Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.**

Valid work but limited contribution. (3)

**Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.**

Some interesting ideas and results on a subject well investigated. (3)

**Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.**

Readable, but revision is needed in some parts. (3)

**Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.**

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7. It is better to use MathType to write the equations.
8. For Eq. 10, what is the value of  $w$ ? Refer Energy efficient clustering and routing algorithms for wireless sensor networks: Particle swarm optimization approach paper.
9. Figure 2 can be cross-checked with Energy-efficient clustering and routing algorithms for wireless sensor networks: Particle swarm optimization approach paper. Some of the important points are missing.
10. Figure 4: Why the value is abruptly changed in 10 units?

## Review 2

**Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.**

Good (4)

**Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.**

Valid work but limited contribution. (3)

**Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.**

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Readable, but revision is needed in some parts. (3)

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### Review 3

**Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.**

Good (4)

**Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.**

Solid work of notable importance. (4)

**Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.**

Significant original work and novel results. (4)

**Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.**

Well written. (4)

**Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.**

The major reason to accept the paper is because of the interesting results proposed by the authors.

I consider the paper important, it has a good degree of novelty and technical deep.

### Review 4

**Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.**

Good (4)

**Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.**

Solid work of notable importance. (4)

**Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.**

Significant original work and novel results. (4)

**Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.**

Well written. (4)

**Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.**

The major reason to accept the paper is because of the interesting results proposed by the authors.

I consider the paper important, it has a good degree of novelty and technical deep.

## Review 5

**Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.**

Poor (1)

**Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.**

Marginal work and simple contribution. Some flaws. (2)

**Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.**

Minor variations on a well investigated subject. (2)

**Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.**

Substantial revision work is needed. (2)

**Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.**

This manuscript proposes using a variation of PSO to tackle the dispatch problem. They focus on the South Sulawesi transmission system to optimize the generation cost. They use Ant Colony Optimization (ACO) and Lagrange method to compare to their proposal.

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The first observation regarding this work is the lack of a clear contribution. The authors claim that it resides in the use of smart PSO combined with additional conditions, but the authors fail to highlight how this proposal differs compared with other works in the literature. They only mention the consideration of the transmission losses and limits of plant equality and inequality, but this is already explored in previous works. I suggest taking into consideration the work from Abbas et al. (G. Abbas, J. Gu, U. Farooq, M. U. Asad and M. El-Hawary, "Solution of an Economic Dispatch Problem Through Particle Swarm Optimization: A Detailed Survey - Part I," in IEEE Access, vol. 5, pp. 15105-15141, 2017, doi: 10.1109/ACCESS.2017.2723862.)

The application of this technique to a system that was not previously studied is interesting and I encourage the authors to continue to support the resolution of local scenarios, but they have to complement this with a clear contribution in the technique or methodology.

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(7) Conclusion section: Summarize sentences the primary outcomes of the study in a paragraph. Are the claims in this section supported by the results, do they seem reasonable? Have the authors indicated how the results relate to expectations and to earlier research? Does the article support or contradict previous theories? Does the conclusion explain how the research has moved the body of scientific knowledge forward?

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**[IJAI 2020-2021] #1570715059 ('Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System')**

1 message

IJAI 2020-2021 (ijai.iaes@gmail.com) &lt;ijai.iaes@gmail.com@edas.info&gt;

Sat, Aug 21, 2021 at 2:17 AM

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Dear Mr. Marhatang Marhatang,

Congratulation!! Your paper #1570715059 ('Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System') has been ACCEPTED with minor revisions. Please make the necessary changes based on reviewers' comments and suggestions. The detail reviews are in the bottom of this email or can be found at <https://edas.info/showPaper.php?m=1570715059>, using your EDAS login name [marhatang@poliupg.ac.id](mailto:marhatang@poliupg.ac.id). Please prepare your final camera ready paper (in MS Word file format) adheres every detail of the guide of authors (<https://iaescore.com/gfa/ijai.docx>), and check it for spelling/grammatical mistakes. Please make the necessary changes based on reviewer's feedback, comments and suggestions. You must make the similarity score of your final manuscript less than 25%.

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Below is the reviews on your papers:

## Review 1

**Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.**

Good (4)

**Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.**

Valid work but limited contribution. (3)

**Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.**

Some interesting ideas and results on a subject well investigated. (3)

**Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.**

Readable, but revision is needed in some parts. (3)

**Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.**

In this paper, the authors have used particle swarm optimization (PSO) to propose a smart method to optimize the cost of generating thermal plants in the South Sulawesi system. They have also used the Lagrange method, ant colony optimization and PSO. However, I have the following comments before its possible publication in this esteemed journal.

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7. It is better to use MathType to write the equations.
8. For Eq. 10, what is the value of  $w$ ? Refer Energy efficient clustering and routing algorithms for wireless sensor networks: Particle swarm optimization approach paper.
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10. Figure 4: Why the value is abruptly changed in 10 units?

## Review 2

**Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.**

Good (4)

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## Review 3

**Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.**

Good (4)

**Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.**

Solid work of notable importance. (4)

**Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.**

Significant original work and novel results. (4)

**Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.**



Well written. (4)

**Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.**

The major reason to accept the paper is because of the interesting results proposed by the authors.

I consider the paper important, it has a good degree of novelty and technical deep.

#### Review 4

**Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.**

Good (4)

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Solid work of notable importance. (4)

**Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.**

Significant original work and novel results. (4)

**Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.**

Well written. (4)

**Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.**

The major reason to accept the paper is because of the interesting results proposed by the authors.

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#### Review 5

**Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.**

Poor (1)

**Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.**

Marginal work and simple contribution. Some flaws. (2)

**Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.**

Minor variations on a well investigated subject. (2)

**Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.**

Substantial revision work is needed. (2)

**Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.**

This manuscript proposes using a variation of PSO to tackle the dispatch problem. They focus on the South Sulawesi transmission system to optimize the generation cost. They use Ant Colony Optimization (ACO) and Lagrange method to compare to their proposal.

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The application of this technique to a system that was not previously studied is interesting and I encourage the authors to continue to support the resolution of local scenarios, but they have to complement this with a clear contribution in the technique or methodology.

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(7) Conclusion section: Summarize sentences the primary outcomes of the study in a paragraph. Are the claims in this section supported by the results, do they seem reasonable? Have the authors indicated how the results relate to expectations and to earlier research? Does the article support or contradict previous theories? Does the conclusion explain how the research has moved the body of scientific knowledge forward?

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===== Review 1 =====

> \*\*\* Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.  
 Good (4)

> \*\*\* Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.

Valid work but limited contribution. (3)

> \*\*\* Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.

Some interesting ideas and results on a subject well investigated. (3)

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> \*\*\* Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.

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==== Review 2 =====

> \*\*\* Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.

Good (4)

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Valid work but limited contribution. (3)

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8. For Eq. 10, what is the value of w? Refer Energy efficient clustering and routing algorithms for wireless sensor networks: Particle swarm optimization approach paper.
9. Figure 2 can be cross-checked with Energy-efficient clustering and routing algorithms for wireless sensor networks: Particle swarm optimization approach paper. Some of the important points are missing.
10. Figure 4: Why the value is abruptly changed in 10 units?

=====  
Review 3  
=====

> \*\*\* Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.

Good (4)

> \*\*\* Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.

Solid work of notable importance. (4)

> \*\*\* Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.

Significant original work and novel results. (4)

> \*\*\* Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.

Well written. (4)

> \*\*\* Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.

The major reason to accept the paper is because of the interesting results proposed by the authors.

I consider the paper important, it has a good degree of novelty and technical deep.

=====  
Review 4  
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> \*\*\* Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.

Good (4)

> \*\*\* Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.

Solid work of notable importance. (4)

> \*\*\* Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.

Significant original work and novel results. (4)

> \*\*\* Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.

Well written. (4)

> \*\*\* Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.

The major reason to accept the paper is because of the interesting results proposed by the authors.

I consider the paper important, it has a good degree of novelty and technical deep.

=====  
Review 5  
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> \*\*\* Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.

Poor (1)

> \*\*\* Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the

analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.

Marginal work and simple contribution. Some flaws. (2)

> \*\*\* Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper. Minor variations on a well investigated subject. (2)

> \*\*\* Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references. Substantial revision work is needed. (2)

> \*\*\* Detailed comments: Please justify your recommendation and suggest improvements in technical content or presentation.

This manuscript proposes using a variation of PSO to tackle the dispatch problem. They focus on the South Sulawesi transmission system to optimize the generation cost. They use Ant Colony Optimization (ACO) and Lagrange method to compare to their proposal.

They apply the method in the South Sulawesi system consisting of thermal and hydro plants. They include additional conditions in the optimization process derived from some characteristics of the generators and the actual topology of the transmission network.

The first observation regarding this work is the lack of a clear contribution. The authors claim that it resides in the use of smart PSO combined with additional conditions, but the authors fail to highlight how this proposal differs compared with other works in the literature.

They only mention the consideration of the transmission losses and limits of plant equality and inequality, but this is already explored in previous works.

I suggest taking into consideration the work from Abbas et al. (G. Abbas, J. Gu, U. Farooq, M. U. Asad and M. El-Hawary, "Solution of an Economic Dispatch Problem Through Particle Swarm Optimization: A Detailed Survey - Part I," in IEEE Access, vol. 5, pp. 15105-15141, 2017, doi: 10.1109/ACCESS.2017.2723862.)

The application of this technique to a system that was not previously studied is interesting and I encourage the authors to continue to support the resolution of local scenarios, but they have to complement this with a clear contribution in the technique or methodology.

Please pay attention to double check your final camera ready paper:

(1) TEMPLATE, Please Strictly use and follow to the template Manuscripts (Word Format): <http://iaescore.com/gfa/ijai.docx>

(2) Authors are suggested to present their articles with IMRaD sections structure (outline): Introduction - The Proposed Method/Algorithm/Procedure specifically designed (optional) - Research Method - Results and Discussion – Conclusion. Authors may present complex proofs of theorems or non-obvious proofs of correctness of algorithms after introduction section (obvious theorems & straightforward proofs of existing theorems are NOT needed).

(3) Introduction section: explain the context of the study and state the precise objective. An Introduction should contain the following three (3) elements:

- Background: Authors have to make clear what the context is. Ideally, authors should give an idea of the state-of-the art of the field the report is about.

- The Problem: If there was no problem, there would be no reason for writing a manuscript, and definitely no reason for reading it. So, please tell readers why they should proceed reading. Experience shows that for this part a few lines are often sufficient.

- The Proposed Solution: Now and only now! - authors may outline the contribution of the manuscript. Here authors have to make sure readers point out what are the novel aspects of authors work. Authors should place the paper in proper context by citing relevant papers. At least, 5 references (recently journal articles) are cited to support this section.

(4) Method section: the presentation of the experimental methods should be clear and complete in every detail facilitating reproducibility by other scientists.

(5) Results and discussion section: The presentation of results should be simple and straightforward in style. This section report the most important findings, including results of statistical analyses as appropriate and comparisons to other

research results. This is where the author(s) should explain in words what he/she/they discovered in the research.

(6) (URGENT)!!! About Figures & Tables in your manuscript:

- Because tables and figures supplement the text, all tables and figures should be REFERENCED in the text. Authors MUST EXPLAIN what the reader should look for when using the table or figure. Focus only on the important point the reader should draw from them, and leave the details for the reader to examine on her own.
- Tables are to be presented with single horizontal line under: the table caption, the column headings and at the end of the table. All tables are produced by creating tables in MS Word. Captured tables are NOT allowed.
- All figures MUST in high quality images

(7) Conclusion section: Summarize sentences the primary outcomes of the study in a paragraph. Are the claims in this section supported by the results, do they seem reasonable? Have the authors indicated how the results relate to expectations and to earlier research? Does the article support or contradict previous theories? Does the conclusion explain how the research has moved the body of scientific knowledge forward?

(8) (URGENT)!!! Each citation should be written in the order of appearance in the text in square brackets. For example, the first citation [1], the second citation [2], and the third and fourth citations [3,4]. When citing multiple sources at once, the preferred method is to list each number separately, in its own brackets, using a comma or dash between numbers, as such: [1], [3], [5] or [4-8]. It is not necessary to mention an author's name, pages used, or date of publication in the in-text citation. Instead, refer to the source with a number in a square bracket, e.g. [9], that will then correspond to the full citation in your reference list. Examples of in-text citations:

- This theory was first put forward in 1970 [9]."
- Sutikno [10] has argued that...
- Several recent studies [7], [9], [11-15] have suggested that....
- ...end of the line for my research [16].

(9) Please ensure the maximum page of your final paper is 8-page, but still allowed up to 14 pages (required to pay an extra fee).




Muhammmad Ruswandi Djalal Jurusan Teknik Mesin <wandi@poliupg.ac.id>  
To: IJAI 2020-2021 <ijai.iaes@gmail.com>

Thu, Sep 23, 2021 at 10:32 AM

=====  
**Muhammad Ruswandi Djalal**  
 S.ST. (Energy Engineering), M.T. (Electrical Engineering)  
 State Polytechnic of Ujung Pandang  
 Makassar 90245, Indonesia  
**My Profile: (SCOPUS), (RG), (SINTA), (SCHOLAR), (ORCHID), (REPOSITORY)**  
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**Phone: 085250986419**  
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Muhammmad Ruswandi Djalal Jurusan Teknik Mesin <wandi@poliupg.ac.id>

# [IJAI 2020-2021] #1570715059 ('Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System')

4 messages

Muhammmad Ruswandi Djalal Jurusan Teknik Mesin <wandi@poliupg.ac.id>  
To: ijai@iaesjournal.com

Fri, Sep 3, 2021 at 7:33 PM

Dear IJAI Editor

Thank you for your notification of our paper (ID: #1570715059). Here we attach the final camera ready paper, similarity checking report (by iThenticate or Turnitin software), and payment receipt. We are waiting for your notification.

Thank You  
Best Regards

=====




**Muhammad Ruswandi Djalal**  
 S.ST. (Energy Engineering), M.T. (Electrical Engineering)  
 State Polytechnic of Ujung Pandang  
 Makassar 90245, Indonesia  
**My Profile: (SCOPUS), (RG), (SINTA), (SCHOLAR), (ORCHID), (REPOSITORY)**

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IJAI Editor <ijai@iaesjournal.com>  
To: Muhammmad Ruswandi Djalal Jurusan Teknik Mesin <wandi@poliupg.ac.id>

Tue, Sep 21, 2021 at 6:58 AM

[Quoted text hidden]

Muhammmad Ruswandi Djalal Jurusan Teknik Mesin <wandi@poliupg.ac.id>  
To: IJAI Editor <ijai@iaesjournal.com>

Wed, Sep 22, 2021 at 9:49 AM

dear editor IJAI Journal

Previously we have made a payment, how is the progress of our article?

best regards

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 S.ST. (Energy Engineering), M.T. (Electrical Engineering)  
 State Polytechnic of Ujung Pandang

Makassar 90245, Indonesia

**My Profile: (SCOPUS), (RG), (SINTA), (SCHOLAR), (ORCHID), (REPOSITORY)**

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**Phone: 085250986419**

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**Muhammmad Ruswandi Djalal Jurusan Teknik Mesin** <wandi@poliupg.ac.id>  
To: IJAI Editor <ijai@iaesjournal.com>

Thu, Sep 23, 2021 at 10:34 AM

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**Muhammad Ruswandi Djalal**

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Muhammmad Ruswandi Djalal Jurusan Teknik Mesin <wandi@poliupg.ac.id>

## Fwd: #REVISION ID 21087, IAES International Journal of Artificial Intelligence (IJ-AI) Publish 2022

4 messages

**Marhatang** <marhatang@poliupg.ac.id>  
To: wandi@poliupg.ac.id

Thu, Oct 28, 2021 at 7:15 PM

----- Forwarded message -----

Dari: **Muhammad Cahyo Wicaksono** <iaescahyo@gmail.com>

Date: Sen, 11 Okt 2021 pukul 17.23

Subject: #REVISION ID 21087, IAES International Journal of Artificial Intelligence (IJ-AI) Publish 2022

To: <marhatang@poliupg.ac.id>

-- Paper ID: 21087

-- Title: Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System


Dear, Dr. Marhatang

I am Muhammad Cahyo Wicaksono writing on behalf of the layout and editing team, under the auspices of the IAES International Journal of Artificial Intelligence (IJ-AI) team. We are glad to inform you that your paper is in the layout stage for possible publication in the forthcoming issue of this journal. Your cooperation for final checking and/or updating your paper is required. Please find the attached file (including comments and/or marked parts) to take further actions. Kindly submit your updated paper within 5 days.

Please note that this email is only assigned for layout and editing purposes. For other communication purposes, reach us through the principal contact of the journal.

Your cooperation is highly appreciated.

Best regards,  
Muhammad Cahyo Wicaksono  
Layout and Editing Team

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**Muhammmad Ruswandi Djalal Jurusan Teknik Mesin** <wandi@poliupg.ac.id>  
To: Marhatang <marhatang@poliupg.ac.id>, iaescahyo@gmail.com

Fri, Oct 29, 2021 at 6:19 AM

Dear IJ-AI Editorial Team

Thank you for your email. We have made improvements and uploaded revision papers on the EDAS system, we also attach improvements via this email.

Thank You  
Best Regards

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**Muhammad Ruswandi Djalal**

S.ST. (Energy Engineering), M.T. (Electrical Engineering)

State Polytechnic of Ujung Pandang

Makassar 90245, Indonesia

**My Profile: (SCOPUS), (RG), (SINTA), (SCHOLAR), (ORCHID), (REPOSITORY)**


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Phone: 085250986419

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**Muhammad Cahyo Wicaksono** <iaescahyo@gmail.com>  
To: Muhammmad Ruswandi Djalal Jurusan Teknik Mesin <wandi@poliupg.ac.id>

Tue, Nov 2, 2021 at 11:05 AM

Dear Dr. Muhammad Ruswandi Djalal

We have checked your revised paper.  
There are points that need to be improved.

We have provided notes in the manuscript to be corrected.  
Please do proofreading and complete the paper that we attach, do not use paper other than what we have attached.  
Please submit your final paper as soon as possible (3x24 hours).


The responsibility for the contents of the text rests with the author and not with the editor or publisher.

Your cooperation is highly appreciated.

Best regards,  
Muhammad Cahyo Wicaksono  
Layout and Editing Team

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**Muhammmad Ruswandi Djalal Jurusan Teknik Mesin** <wandi@poliupg.ac.id>  
To: Muhammad Cahyo Wicaksono <iaescahyo@gmail.com>

Fri, Nov 5, 2021 at 4:28 AM

Dear IJ-AI Editorial Team

Thank you for your email. We have made improvements and uploaded revision papers on the EDAS system, we also attach improvements via this email.

Thank You  
Best Regards

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**Muhammad Ruswandi Djalal**  
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State Polytechnic of Ujung Pandang  
Makassar 90245, Indonesia  
**My Profile: (SCOPUS), (RG), (SINTA), (SCHOLAR), (ORCHID), (REPOSITORY)**

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## #CERTIFICATE, Your article has been published

1 message

IAES IJ-AI <ijai.layoutdesk@gmail.com>  
To: marhatang@poliupg.ac.id, wandi@poliupg.ac.id

Fri, Sep 2, 2022 at 10:52 AM

Dear IJAI Authors,

Herewith we send a certificate for your contribution as an author to the IAES International Journal of Artificial Intelligence (IJ-AI). We are glad to inform you that your paper ID **21087** has already been PUBLISHED in the **March 2022** Issue. You can visit the IAES IJ-AI Website or click on this link: <https://ijai.iaescore.com/index.php/IJAI/article/view/21087>.

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Editorial Staff on behalf of Editor-in-Chief

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Institute of Advanced Engineering and Science (IAES)  
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**Muhammad Cahyo Wicaksono** <iaescahyo@gmail.com>

Tue, Dec 14, 2021 at 8:54 AM

To: Muhammmad Ruswandi Djalal Jurusan Teknik Mesin <wandi@poliupg.ac.id>

-- Paper ID: 21087

-- Title: Optimal Economic Dispatch Using Particle Swarm Optimization in Sulselrabar System

Dear, Dr. Muhammad Ruswandi Djalal

I am Muhammad Cahyo Wicaksono writing on behalf of the layout and editing team, under the auspices of the IAES International Journal of Artificial Intelligence (IJ-AI) team. We are glad to inform you that your paper is in the final stage before publication in the forthcoming issue of this journal. Your cooperation in proofreading your paper is required. Please find the attached final camera ready paper in PDF file format. If you would like to do any update, please mark and put your comments in the attached file below. Kindly send your confirmation within 2x24 hours.

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Your cooperation is highly appreciated.

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Layout and Editing Team

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