



Submissions

Review: *OPTIMIZED CONTROL OF THE PHYSICAL BATTERY SYSTEM*

- 1. Request
- 2. Guidelines
- 3. Download & Review
- 4. Completion

Request for Review

You have been selected as a potential reviewer of the following submission. Below is an overview of the submission, as well as the timeline for this review. We hope that you are able to participate.

Article Title

OPTIMIZED CONTROL OF THE PHYSICAL BATTERY SYSTEM

Abstract

Today, a significant issue for many nations worldwide is a shortage of energy. Renewable energy sources, particularly solar energy, are being investigated as additional energy sources to address the aforementioned issue. The high investment cost and poor performance of solar energy, however, provide the biggest challenge. This study only addresses the power optimization problem. It is suggested that the method used to determine the solar system's maximum power point modify incremental conductance. Adapted Incremental Conductance algorithm based on Incremental Conductance conventional techniques. The Modified Incremental Conductance method, however, has several exceptional advantages since it has a voltage change (V) that is not constant but fluctuates in an ideal manner to achieve the maximum power point as soon as possible. The voltage V is greater away from the peak power point while it is zero at the peak power point. Modified incremental conductivity algorithm to find peak power point faster than traditional algorithms. With maximum power point change reducing ambient power loss at the highest powers point. This

<https://jurnal.polsri.ac.id/index.php/austenit/reviewer/step/6303?step=1> nize voltage difference value.



LEMBAR PENILAIAN REVIEWER

Judul Artikel Ilmiah : SYSTEM OPTIMAL CONTROL PHOTOVOLTAICS
Nama Penulis : Hien Thanh Le
Bagian Keilmuan/Bidang Kajian : Teknik Mesin /
Tanggal Submitted :
Volume (...) Nomor (...)

Nama Lengkap Reviewer Nur Hamzah Said

Catatan/Komentar

1. The title is not specific to the research results_
2. There is no explanation about MPPT
3. Only 9 of the required 12 references are used
4. The format for writing a bibliography is not in accordance with the guidelines.
6. There is no explanation in Figure 4 and Figure 5.
7. Writing units in Equation 2.1 needs to be fixed
8. The paper must undergo professional language editing before it can be published

Kesimpulan Review*) : Layak untuk diterbitkan (Skor rata-rata ≥ 40)
 Layak untuk diterbitkan dengan perbaikan major (Skor rata-rata $> 30 \sim 40$)
 Layak untuk diterbitkan dengan perbaikan minor (Skor rata-rata = $20 \sim 30$)
 Tidak layak untuk diterbitkan (Skor rata-rata < 20)

- *) Beri tanda centang pada kotak yang tersedia
**) Mohon dibubuhi dengan tanda tangan hasil scan asli
***) di isi dengan melingkari salah satu skor penilaian



Tabel Penilaian ASUTENIT (di isi dengan melingkari salah satu skor penilaian)***

| Variabel Penilaian | Deskripsi | Skor Penilaian | | | | |
|--|--|----------------------------|----|----|----|----|
| | | 10=buruk....50=baik sekali | | | | |
| Relevansi | Kesesuaian Artikel dengan Topik & Template Publikasi | 10 | 20 | 30 | 40 | 50 |
| Kontribusi | Kualiatas paper ditinjau dari ide gagasan dan keaslian (<i>originality</i>), kebaruan (<i>novelty</i>), dan inovasi (<i>inovation</i>) | 10 | 20 | 30 | 40 | 50 |
| Teknik Penyajian: | | | | | | |
| Organisasi artikel | Bahasa yang digunakan, kejelasan isi artikel dan kemudahan dipahami oleh pembaca | 10 | 20 | 30 | 40 | 50 |
| Abstrak (dua bahasa English dan Indonesia) | Singkat, jelas dan lengkap, dapat menarik perhatian dan mendorong orang meluangkan waktu untuk mendapatkan dan membaca full paper | 10 | 20 | 30 | 40 | 50 |
| Pendahuluan | Kejelasan pengungkapan <i>background of problem</i> , perbedaan dengan penelitian sebelumnya, dan kontribusi yang akan diberikan | 10 | 20 | 30 | 40 | 50 |
| Metode Pendekatan Penyelesaian Masalah | Desain penelitian, prosedur (algoritma, pseudocode atau flowchart) | 10 | 20 | 30 | 40 | 50 |
| Hasil dan analisis | Penyajian hasil dan ketajaman analisis (dapat disertai Tabel dan Gambar untuk memudahkan pemahaman) | 10 | 20 | 30 | 40 | 50 |
| Simpulan | Esensi temuan dari penelitian yang dilakukan dan penyajiannya | 10 | 20 | 30 | 40 | 50 |
| Referensi | Kesesuaian referensi yang diberikan, tata cara penulisan dan perujukan pada naskah (semua referensi harus dirujuk pada naskah) | 10 | 20 | 30 | 40 | 50 |

Makassar, 5 April 2023

Reviewer**)

Nur Hamzah Said

196311111990031002/0011116308



LEMBAR PENILAIAN REVIEWER

Judul Artikel Ilmiah : **SYSTEM OPTIMAL CONTROL PHOTOVOLTAICS**
OPTIMIZED CONTROL OF THE PHYSICAL BATTERY SYSTEM
Nama Penulis :
Bagian Keilmuan/Bidang Kajian : Teknik Mesin /
Tanggal Submitted : -
Volume (....) Nomor (....)

Nama Lengkap Reviewer Nur Hamzah Said

Catatan/Komentar

7. Writing units in Equation 2.1 needs to be fixed (Unit q and k should be corrected)

Kesimpulan Review*) : Layak untuk diterbitkan (Skor rata-rata ≥ 40)
 Layak untuk diterbitkan dengan perbaikan minor (Skor rata-rata $> 30 \sim 40$)
 Layak untuk diterbitkan dengan perbaikan major (Skor rata-rata = $20 \sim 30$)
 Tidak layak untuk diterbitkan (Skor rata-rata < 20)

*) Beri tanda centang pada kotak yang tersedia
**) Mohon dibumuhi dengan tanda tangan hasil scan asli
***) di isi dengan melingkari salah satu skor penilaian



Tabel Penilaian ASUTENIT (di isi dengan melingkari salah satu skor penilaian)***

| Variabel Penilaian | Deskripsi | Skor Penilaian | | | | |
|--|---|----------------------------|----|----|----|----|
| | | 10=buruk....50=baik sekali | | | | |
| Relevansi | Kesesuaian Artikel dengan Topik & Template Publikasi | 10 | 20 | 30 | 40 | 50 |
| Kontribusi | Kualiatas paper ditinjau dari ide/gagasan dan keaslian (<i>originality</i>), kebaruan (<i>novelty</i>), dan inovasi (<i>innovation</i>) | 10 | 20 | 30 | 40 | 50 |
| Teknik Penyajian: | | | | | | |
| Organisasi artikel | Bahasa yang digunakan, kejelasan isi artikel dan kemudahan dipahami oleh pembaca | 10 | 20 | 30 | 40 | 50 |
| Abstrak (dua bahasa English dan Indonesia) | Singkat, jelas dan lengkap, dapat menarik perhatian dan mendorong orang meluangkan waktu untuk mendapatkan dan membaca full paper | 10 | 20 | 30 | 40 | 50 |
| Pendahuluan | Kejelasan pengungkapan <i>background of problem</i> , perbedaan dengan penelitian sebelumnya, dan kontribusi yang akan diberikan | 10 | 20 | 30 | 40 | 50 |
| Metode Pendekatan Penyelesaian Masalah | Desain penelitian, prosedur (algoritma, pseudocode atau flowchart) | 10 | 20 | 30 | 40 | 50 |
| Hasil dan analisis | Penyajian hasil dan ketajaman analisis (dapat disertai Tabel dan Gambar untuk memudahkan pemahaman) | 10 | 20 | 30 | 40 | 50 |
| Simpulan | Esensi temuan dari penelitian yang dilakukan dan penyajiannya | 10 | 20 | 30 | 40 | 50 |
| Referensi | Kesesuaian referensi yang diberikan, tata cara penulisan dan perujukan pada naskah (semua referensi harus dirujuk pada naskah) | 10 | 20 | 30 | 40 | 50 |

Makassar, 24 April 2023

Reviewer**)

Nur Hamzah Said

19631111990031002/0011116308



Home (<https://jurnal.polsri.ac.id/index.php/austenit/index>)
/ Archives (<https://jurnal.polsri.ac.id/index.php/austenit/issue/archive>)
/ Vol. 15 No. 1 (2023): AUSTENIT 15012023

In Press. Dear Contributors. CONGRATULATIONS to everyone who participated in the April 2023 Issue of Volume 15 Number 1. AUSTENIT (pISSN 2085-1286 and eISSN 2622-7649) is a peer-reviewed open access journal published by Mechanical Engineering Department, Politeknik Negeri Sriwijaya. For fully pdf's (full open access) will be available on 19th May 2023. Warm Regards, Editor in Chief.

Published: 2023-04-30

THE EFFECT OF VOLUME FRACTION AND ORIENTATION OF GAMBAS FIBER COMPOSITES AND SUGARCANE ON BENDING STRENGTH
(<https://jurnal.polsri.ac.id/index.php/austenit/article/view/5188>)

Ahmad Zamheri, Dicky Seprianto, Sailon Sailon, Hopay Tamilio, Ekki Andika, Rizki Ramadoni
1-7

LAUNDRY WASTEWATER TREATMENT WITH REPEATED FILTER
(<https://jurnal.polsri.ac.id/index.php/austenit/article/view/4860>)

Agung Mataram, J. D. Nasution, A.S. Mohruni, H. Alian, N. Anisya, S. Rizal, M. Pataras, A.Y Kurnia, B. B. Aditya, R.D Kurnia, M.I. Jambak
8-12

THE EFFECT OF QUENCHING TREATMENT BY VARIATION OF COOLING MEDIA (WATER, USED OIL, COOKING OIL) ON EGREK HARDNESS
(<https://jurnal.polsri.ac.id/index.php/austenit/article/view/5450>)

Fenoria Putri, Indra Gunawan, Dany Agung Rizky
13-20

OPTIMIZED CONTROL OF THE PHYSICAL BATTERY SYSTEM
(<https://jurnal.polsri.ac.id/index.php/austenit/article/view/6303>)

Pham Van De
21-30

COMPARISON OF THERMAL INSULATION OF GLASS WOOL AND SUPERBTEX TO THE DRYING RATE OF FISH DRYING EQUIPMENT

(<https://jurnal.polsri.ac.id/index.php/austenit/article/view/6546>)

aneka firdaus, Gunawan, M. A. Ade Saputra, Nina Haryani

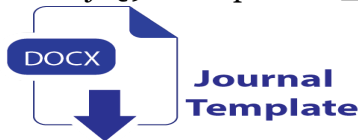
31-35

AUSTENIT Journal Template



(https://docs.google.com/file/d/1403flZsCEVHygn8q_T37TNaMYvcRBI8t)

(https://docs.google.com/file/d/1LawYXsjtQ9oGStOp2PPEP_EJ130EofeF)



(https://docs.google.com/file/d/1KZqAo-Pok-G3wNahmW-FM7_nPEfuqH9e)

Statement of Ethics Form

(<https://docs.google.com/file/d/1vkxGPhye2ZYMrEgKEihAN9Fu5fbuW8ay>)

Indonesia's Accreditation



(<https://sinta.kemdikbud.go.id/journals/detail?id=7754>)

AUSTENIT POLICY

Focus And Scope

(<https://jurnal.polsri.ac.id/index.php/austenit/about>)

Publication Ethics

(<https://jurnal.polsri.ac.id/index.php/austenit/EtikaPublikasi>)

Reviewers

(<https://jurnal.polsri.ac.id/index.php/austenit/Reviewers>)

Review Process

(<https://jurnal.polsri.ac.id/index.php/austenit/ProsesReview>)

Reviewer Acknowledgment

(<https://jurnal.polsri.ac.id/index.php/austenit/UcapanTerimaKasih>)

Copyright Notice

(<https://jurnal.polsri.ac.id/index.php/austenit/Lisensi>)

Author Fees

(<https://jurnal.polsri.ac.id/index.php/austenit/BiayaPublikasi>)

Publication Frequency

(<https://jurnal.polsri.ac.id/index.php/austenit/JadwalPublikasi>)

Editorial Team

(<https://jurnal.polsri.ac.id/index.php/austenit/about/editorialTeam>)

AUSTENIT SUBMISSION**Make a Submission**

(<https://jurnal.polsri.ac.id/index.php/austenit/user/register>)

Accreditation Certificate

(<https://drive.google.com/file/d/1yulVFLr3uXl7pJEZzKPDIOAAFaecIA1g>)

Indexing

(<https://jurnal.polsri.ac.id/index.php/austenit/Pengindeks>)

Form of Copyright Transfer Agreement

(<https://drive.google.com/file/d/1zBbuyihgWPUJok1Uk4gVoojeYMacROIU/view>)

Plagiarism

(<https://jurnal.polsri.ac.id/index.php/austenit/Plagiat>)

Author Guidelines

(<https://jurnal.polsri.ac.id/index.php/austenit/AuthorGuidelines>)

Journal History

(<https://jurnal.polsri.ac.id/index.php/austenit/JournalHistory>)

Open Access Statement

(<https://jurnal.polsri.ac.id/index.php/austenit/OpenAccessStatement>)



(<https://drive.google.com/drive/folders/1QjkwrhkaWpXHCFvYd3gVdCupeVqelVGK>)



(<https://www.turnitin.com/login>)

Visitors-AUSTENIT



(<https://info.flagcounter.com/NFJJ>)

CitationAnalysis

| AUSTENIT Cited by | All | Since 2016 |
|-------------------|-----|------------|
| Citations | 250 | 204 |
| h-Index | 7 | 6 |
| i10-Index | 4 | 2 |

Address

2nd Floor Gedung Jurusan Teknik Mesin
Politeknik Negeri Sriwijaya
Jalan Srijaya Negara, Bukit Besar
Post code 30139- South Sumatra- INDONESIA

Contact Info

Tel: +62 711 353414
Fax: +62 711 355918
Email: jurnal.austenit@polsri.ac.id
Website: <http://mesin.polsri.ac.id/> (<http://mesin.polsri.ac.id/>)

AUSTENIT Journal is Licensed under



(<https://creativecommons.org/licenses/by-sa/4.0/>)

a Creative Commons Attribution-ShareAlike 4.0 International License

(<https://creativecommons.org/licenses/by-sa/4.0/>).

Platform & workflow by OJS / PKP

(<https://jurnal.polsri.ac.id/index.php/austenit/about/aboutThisPublishingSystem>)



NUR HAMZAH <hamzah_said@poliupg.ac.id>

[austenit] Article Review Acknowledgement

2 pesan

Ozkar F Homzah <jurnal2@polsri.ac.id>
Kepada: "Dr. Nur Hamzah" <hamzah_said@poliupg.ac.id>

28 April 2023 pukul 07.45

Dr. Nur Hamzah:

Thank you for completing the review of the submission, "SYSTEM OPTIMAL CONTROL PHOTOVOLTAICS," for AUSTENIT. We appreciate your contribution to the quality of the work that we publish.

Warm Regards.

Editorial Team

Jurnal AUSTENIT (pISSN **2085-1286** and eISSN **2622-7649**)

Published by Mechanical Engineering Department

Politeknik Negeri Sriwijaya, South-Sumatra, Indonesia

NUR HAMZAH <hamzah_said@poliupg.ac.id>
Kepada: Ozkar F Homzah <jurnal2@polsri.ac.id>

30 April 2023 pukul 08.39

You are welcome.

Nur Hamzah Said
Ir. (Mechanical Eng.), MT. (Energy Conversion), Ph. D (Thermo-fluid)

Mechanical Engineering Department Politeknik Negeri Ujung Pandang
Jalan Perintis kemerdekaan Km. 10 Tamalanrea 90245
Makassar, Indonesia

+6281342532295

[Kutipan teks disembunyikan]