

**LEMBAR  
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW  
KARYA ILMIAH : JURNAL ILMIAH**

Judul Jurnal Ilmiah (Artikel) : Modeling of Maximum Power Point Tracking Controller for Solar Power System  
 Penulis Jurnal Ilmiah : Aryunto Soetedjo, Abraham Lomi, Yusuf Ismail Nakhoda, Awan Uji Krismanto  
 Status Pengusul : ~~Penulis Mandiri~~ / Penulis Pertama / ~~Penulis ke-....~~ / Penulis Korespondensi.  
 Identitas Jurnal Ilmiah : a. Nama Jurnal : TELKOMNIKA  
 b. Nomor ISSN : 2302-9293  
 c. Volume/nomor, bulan, tahun : 10/3, Juli, 2012  
 d. Penerbit : Institute of Advanced Engineering and Science  
 (IAES) e. DOI artikel (jika ada) : <http://dx.doi.org/10.12928/telkomnika.v10i3.819>  
 f. Alamat Web Jurnal: <http://journal.uad.ac.id/index.php/TELKOMNIKA/article/view/819>  
 g. Terindeks di Scimagojr/Thomson Router ISI knowledge atau di ....

Kategori Publikasi Karya Ilmiah :  Jurnal Ilmiah Internasional / Internasional Bereputasi  
 (beri  $\checkmark$  pada kategori yang tepat) :  Jurnal Ilmiah Nasional Terakreditasi  
 Jurnal Ilmiah Nasional / Nasional Terindeks di DOAJ, CABI, COPERNICUS

Hasil Penilaian Peer Review :

Komponen Yang Dinilai .....5)	Nilai Maksimal Jurnal Ilmiah....6)			Nilai Akhir Yang Diperoleh .....7)
	Internasional	Nasional Terakreditasi	Nasional Tidak Terakreditasi	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
a. Kelengkapan unsur isi artikel ( 10 %)	4			3,7
b. Ruang lingkup dan kedalaman pembahasan ( 30 %)	12			11,1
c. Kecukupan dan kemutakhiran data/informasi dan metodologi ( 30 %)	12			11,1
d. Kelengkapan unsur dan kualitas terbitan jurnal (30%)	12			11,1
<b>Total = (100%)</b>	<b>40</b>			<b>37</b>
<b>Nilai Pengusul =</b> <i>Sbg penulis pertama &amp; korespondensi</i>		<i>37 x 0.6</i>		<i>22,2</i>

Komentar Peer Reviewer

- a. Kelengkapan dan kesesuaian unsur : *cukup memadai*  
 ➤ .....  
 ➤ .....  
 b. Ruang lingkup & kedalaman pembahasan: *penelitian dilakukan menggunakan Matlab Simulink, perlu diimplementasikan..*  
 ➤ .....  
 ➤ .....  
 c. Kecukupan dan kemutakhiran data/informasi dan metodologi:  
 ➤ *ditanyakan beberapa jurnal terkait*  
 ➤ *topik yg diusulkan*  
 d. Kelengkapan unsur dan kualitas terbitan jurnal:  
 ➤ *Terindeks Q3 pd SCOPUS & Scimagojr.*  
 ➤ .....  
 e. Indikasi Plagiasi:  
 ➤ *masih bd batas yg diijinkan*  
 ➤ .....  
 f. Kesesuaian bidang ilmu :  
 ➤ *sewal*  
 ➤ .....

Malang, 25 Pebruari 2021  
 Reviewer 2,



Prof. Dr. Eng. Ir. I Made Wartana, MT  
 NIP/NIDN : 196105031992021001/ 0003056101  
 Unit kerja : Prodi Teknik Elektro  
 Fakultas Teknologi Industri  
 Institut Teknologi Nasional Malang.  
 Jabatan Terakhir : Guru Besar  
 Bidang Ilmu : Teknik Elektro

**LEMBAR  
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KARYA ILMIAH : JURNAL ILMIAH**

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 g. Terindeks di Scimagojr

Kategori Publikasi Karya Ilmiah :  Jurnal Ilmiah Internasional / Internasional Bereputasi  
 (beri  $\checkmark$  pada kategori yang tepat) :  Jurnal Ilmiah Nasional Terakreditasi  
 Jurnal Ilmiah Nasional / Nasional Terindeks di DOAJ, CABI, COPERNICUS

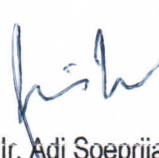
Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional	Nasional Terakreditasi	Nasional Tidak Terakreditasi	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
a. Kelengkapan unsur isi artikel ( 10 %)	2,4			2,4
b. Ruang lingkup dan kedalaman pembahasan ( 30 %)	7,2			6
c. Kecukupan dan kemutahiran data/informasi dan metodologi ( 30 %)	7,2			7,2
d. Kelengkapan unsur dan kualitas terbitan jurnal (30%)	7,2			7,2
<b>Total = (100%)</b>	<b>24</b>			<b>23,8</b>
<b>Nilai Pengusul =</b>				

Komentar Peer Reviewer

- Kelengkapan dan kesesuaian unsur :
  - Tidak hanya lengkap, namun pembahasannya juga sangat terstruktur.
- Ruang lingkup & kedalaman pembahasan :
  - Ruang lingkup pembahasan, terutama saat penentuan model, berdasar persamaan.
- Kecukupan dan kemutahiran data/informasi dan metodologi :
  - Referensi cukup mutakhir sampai dg th 2012, kurg ilim.
- Kelengkapan unsur dan kualitas terbitan jurnal :
  - Telkomnika merupakan jurnal Q2-Scopus.
- Indikasi Plagiasi :
  - Plagiasi tidak bermasalah, karena nilainya kecil.
- Kesesuaian bidang ilmu :
  - Sangat sesuai dg bidang yg diteliti saat ini.

Malang, 16 Maret 2021  
 Reviewer 1,

  
 Prof. Dr. Ir. Adi Soeprijanto, M.T.  
 NIP/NIDN : 196404051990021001/0005046405  
 Unit kerja : Departemen Teknik Elektro ITS Surabaya  
 Jabatan Terakhir : Guru Besar  
 Bidang Ilmu : Teknik Elektro



Aryunto Soetedjo &lt;aryunto@gmail.com&gt;

## [TELKOMNIKA] Editor Decision

1 message

Tole Sutikno &lt;tole@ee.uad.ac.id&gt;

Sat, May 5, 2012 at 11:29 PM

To: "Dr. Eng. Aryunto Soetedjo" &lt;aryunto@gmail.com&gt;

Dear Dr. Eng. Aryunto Soetedjo,

It is my great pleasure to inform you that your paper entitled "Modeling of Maximum Power Point Tracking Controller for Solar Power System" has been accepted and will be published on the TELKOMNIKA Indonesian Journal of Electrical Engineering. Congratulations!

Your paper will be schedule for near issue. Please prepare your final paper follow the Reviewer's & Editor Comments, and accomplish the following requirements as soon as possible (within 5 weeks). If you need more time, please send a request to [telkomnika@ee.uad.ac.id](mailto:telkomnika@ee.uad.ac.id). We can give you 7-8 weeks at the most.

Sincerely yours,

Tole Sutikno

Editor-In-Chief, TELKOMNIKA (Abstracted by ELSEVIER Products)

<http://telkomnika.ee.uad.ac.id>

online submission system: <http://journal.uad.ac.id/index.php/TELKOMNIKA>

The prerequisites in order to publish your paper, are the following:

1. You should change the paper according to the reviewer comments are attached, and A. Editor Comments:
  - a) The title of paper is max 10 words, without Acronym or abbreviation
  - b) The Abstract should be informative and completely self-explanatory, provide a clear statement of the problem, the proposed approach or solution, and point out major findings and conclusions.
  - c) Authors are suggested to present their articles in the section structure: Introduction - The Proposed Method/Algorithm (optional) - Research Method - Results and Discussion – Conclusion.
  - d) The author is also suggested to describe the real problem existing (to be listed in the References) in "introduction section" in order to satisfy the criteria of this scientific journal which has to introduce any novelties, improvement etc from the research work prior to the problem solving done or proposed by the author as a significant contribution. This critical point is available in the guideline for the author provided by the Editor.
  - e) The results of research and analysis are NOT incisively provided in the paper. You should improve your analyzing and also present the comparison between performance of your approach and other researches. It is very important to prove that your manuscript has a significant value and not trivial.
  - f) The references must be integrated also with not less than two papers published on our Journal. You can find some papers in the website of TELKOMNIKA.
  - g) Highlight, or someway mark, any changes so that the revision can be readily assessed. You should also include a response to the reviewer remarks indicating how you have addressed the concerns. This response can be prepared in a separation file at the time of revision.
2. In order to cover part of the publication cost, each accepted paper will be charged (based on first author and first institution) as follow:

- Domestic Authors (option A) : IDR 900.000,-  
(included delivery fee of the TWO reprints and three offprints to the address of the corresponding author)
- Domestic Authors (option B) : IDR 1.100.000,-  
(included delivery fee of the FIVE reprints and three offprints to the address of the corresponding author)
- Overseas Authors (student) : USD 110  
(included delivery fee of the one reprint and three offprints to the address of the corresponding author)
- Overseas Authors (other) : USD 200  
(included delivery fee of the one reprint and three offprints to the address of the corresponding author)

This charge is for the first 8 pages, and if any published manuscript over 8 pages will incur extra charges IDR 200.000 per page (for domestic authors) & USD25 per page (for Overseas authors).

(We also offer alternative charge scheme to overseas authors which only need journal softcopy. For overseas student authors only pay USD 60, and overseas authors (other) only pay USD 110)

The payment should be made by bank transfer:

Payment by Bank Transfer

Bank Account name (please be exact)/Beneficiary: ANTON YUDHANA  
Bank Name: Bank Central Asia (BCA), KCP Kusumanegara Yogyakarta  
City: Yogyakarta  
Country :Indonesia  
Bank Account # : 8465023984  
SWIFT Code: CENAIJJA  
Cell. Phone: +6285746722592

Or

Payment by Bank Transfer

Bank Account name (please be exact)/Beneficiary: TOLE SUTIKNO  
Bank Name: Bank Mandiri, KCP Yogyakarta UGM  
City: Yogyakarta  
Country :Indonesia  
Bank Account # : 137-00-0324770-3  
SWIFT Code: BMRIDJJA  
Cell. Phone: +628562862810

3. You should complete, sign and return copyright form, by email, to [telkomnika@ee.uad.ac.id](mailto:telkomnika@ee.uad.ac.id)

Please submit also your proof of payment to the above email [telkomnika@ee.uad.ac.id](mailto:telkomnika@ee.uad.ac.id), and cc to: [eyudhana@yahoo.com](mailto:eyudhana@yahoo.com)

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TELKOMNIKA: Indonesian Journal of Electrical Engineering  
<http://journal.uad.ac.id/index.php/TELKOMNIKA>

email: [telkomnika@ee.uad.ac.id](mailto:telkomnika@ee.uad.ac.id)

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### 3 attachments

 **guide for authors June 2012.docx**  
437K

 **for example to authors (simple).pdf**  
113K

 **TELKOMNIKA Copyright v3.doc**  
61K



Aryuanto Soetedjo <aryuanto@gmail.com>

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## [TELKOMNIKA] Editor Decision

1 message

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Tole Sutikno <tole@uad.ac.id>

Sun, Dec 18, 2011 at 12:02 AM

To: "Dr. Eng. Aryuanto Soetedjo" <aryuanto@gmail.com>

Dr. Eng. Aryuanto Soetedjo:

We have reached a decision regarding your submission to TELKOMNIKA Indonesian Journal of Electrical Engineering, "Modeling of Maximum Power Point Tracking Controller for Solar Power System".

Our decision is to: Revisions are needed.

Please revise your paper within 6 week.  
We are looking forward your revision.

Sincerely yours,  
Tole Sutikno  
Editor-in-Chief  
TELKOMNIKA Indonesian Journal of Electrical Engineering

-----  
Reviewer A:

Does the title of the paper accurately reflect the major focus contribution of this paper?

:

Yes

Please suggest change of the title as appropriate within 10 words::

Is the abstract an appropriate and adequate digest of the work?:

Yes

Is the paper clear, concise, and well organized?:

Yes

Rate of the contribution strength to the field is represented in this paper:

Below average

Rate the scientific quality of the paper?:

Average

As far as your knowledge, have the authors already published a very similar paper?:

No

If yes, kindly please cite below:

Do authors place the paper in proper context by citing relevant papers?:

Yes

Is the paper free from obvious errors, misconceptions, or ambiguity?:

No

Is the paper written in correct English?:

Yes

If No, please note grammatical errors and suggest corrections:

Are the references in TELKOMNIKA style?:

Yes

Are the figures and tables in TELKOMNIKA style, clear, relevant, and are the captions adequate?:

No

Is the length of the paper adequate?:

Yes

Please mark appropriate scale for the overall grade for this paper? (A score of 7 or above typically provides ground for TELKOMNIKA acceptance)

:

4

Reviewer's comments and suggestions to improve the paper. (If it is not possible, kindly please use separate sheets or a copy of the paper for comments and suggestions for revision. Indicate whether revisions are mandatory or suggested. Please use word processing type format if possible, and then upload or submit via email to [telkomnika@ee.uad.ac.id](mailto:telkomnika@ee.uad.ac.id))

:

in introduction, "are increase" should be increase,

the conversion of efficiency of electric power generation is higher than 9-17%.

This should be checked using new references.

Figure2 and 3 are not clear. the scale of the figures is narrow.

Figure 9 is not clear. There empty blocks in the figure.

The conclusion is weak.

The discussion of the cases are not satisfactory. The cases and discussions should be increased.

-----  
Online system:

<http://iaesjournal.com/online/index.php/TELKOMNIKA>

Official website:

<http://telkomnika.ee.uad.ac.id>

email:

[telkomnika@ee.uad.ac.id](mailto:telkomnika@ee.uad.ac.id), [thsutikno@ieee.org](mailto:thsutikno@ieee.org)



Aryuanto Soetedjo <aryuanto@gmail.com>

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## Re: [TELKOMNIKA] Editor Decision ---> Revised paper submission

2 messages

---

**Aryuanto** <aryuanto@gmail.com>  
To: Tole Sutikno <tole@ee.uad.ac.id>  
Cc: aryuanto@yahoo.com

Fri, Apr 13, 2012 at 6:24 PM

Dear editor

Please find attached files of the revised paper and response to Reviewer & Editor.

Best regards  
Aryuanto

On Thu, Apr 12, 2012 at 7:35 PM, Tole Sutikno <tole@ee.uad.ac.id> wrote:

Editor  
2012-03-15 11:27 PM

Subject: [TELKOMNIKA] Editor Decision  
Dr. Eng. Aryuanto Soetedjo:

We have reached a decision regarding your submission to TELKOMNIKA Indonesian Journal of Electrical Engineering, "Modeling of Maximum Power Point Tracking Controller for Solar Power System".

Our decision is to: Revisions Required

Please improve your paper consider the reviewers & editor comments, and resubmit your revised paper through online system or email: [telkornika@ee.uad.ac.id](mailto:telkornika@ee.uad.ac.id). If you want to publish the paper on the June 2012 issue of the journal, please accomplish the following requirements as soon as possible (within 30 days). If it is not possible for you to submit your revision within 30 days, we will consider your paper as a new submission. If you need more time, please send a request to [telkornika@ee.uad.ac.id](mailto:telkornika@ee.uad.ac.id). We can give you 45 days at the most.

Sincerely yours,  
Tole Sutikno  
Universitas Ahmad Dahlan  
[tole@ee.uad.ac.id](mailto:tole@ee.uad.ac.id)

-----  
Reviewer A:

Does the paper contain an original contribution to the field?:  
Yes

Is the paper technically sound?:  
Yes

Is the paper significantly different from previous papers by the author(s)?:  
Yes

As far as your knowledge, have the authors already published a very similar paper?:  
No

If yes, kindly please cite below:

Does the title of the paper accurately reflect the major focus contribution

of this paper?:

Yes

Please suggest change of the title as appropriate within 10 words::

Is the abstract a clear description of the paper?:

No

Is the paper well written (clear, concise, and well organized)?:

Yes

Is the paper free from obvious errors, misconceptions, or ambiguity, and written in correct English?:

No

If No, please note grammatical errors and suggest corrections:

Do authors place the paper in proper context by citing relevant papers?:

No

Are the references in this journal style?:

Yes

Please score the paper on a scale of 1 - 10 as per the directions below:

8-10 Excellent - Outstanding

6-8 Good

4-6 Average

2-4 Poor

0-2 Very Poor:

6

Recommendation:

Major Revision

Comments to the Author:

Reviewer's comments and suggestions to improve the paper. (If it is not possible, kindly please use separate sheets or a copy of the paper for comments and suggestions for revision. Indicate whether revisions are mandatory or suggested. Please use word processing type format if possible, and then upload from the online system or submit via email to [telkomnika@ee.uad.ac.id](mailto:telkomnika@ee.uad.ac.id))

:

MPPT control improves the system efficiency. However, your contribution is mainly on buck converter. The stability test of your converter should be included. The performance of the controller should be compared with the traditional buck converters.

The conversion efficiency value should be taken from the years of 2011 or 2012. The ref [1] was published in 2008.

Write the related equations for MPP.

Write the reference for figure 1.

Why do you select MOSFET for system modeling?

Why do not you use the battery? The PV capacity should be increased if you



do not use a battery.

You can not use a battery if you use on grid inverter. Explain your selection.

Give a table including the system parameters, (load in ohms, C in uF, L in mH ...)

Voc : open circuit volatge [V]: voltage should be voltage.

Do not use the "we" in the paper.

to reach the the new maximum power point: Omit the word "the"

The step value used in the experiment whrere the: "whrere" should be "where"

However the amplitudo of oscillation: use "amplitude"

higher oscilation is produced: use "oscillation"

Use new journal references from 2011 or 2012.

The names of Figs 2-3 should be more meaningful.

-----  
Editor Comments:

a) The title of paper is max 10 words, without Acronym or abbreviation

b) The Abstract should be informative and completely self-explanatory, provide a clear statement of the problem, the proposed approach or solution, and point out major findings and conclusions.

c) Authors are suggested to present their articles in the section structure: Introduction - The Proposed Method/Algorithm (optional) - Research Method - Results and Discussion – Conclusion.

d) The author is also suggested to describe the real problem existing (to be listed in the References) in "introduction section" in order to satisfy the criteria of this scientific journal which has to introduce any novelties, improvement etc from the research work prior to the problem solving done or proposed by the author as a significant contribution. This critical point is available in the guideline for the author provided by the Editor.

e) The results of research and analysis are NOT incisively provided in the paper. You should improve your analyzing and also present the comparison between performance of your approach and other researches. It is very important to prove that your manuscript has a significant value and not trivial.

f) The references must be integrated also with not less than two papers published on our Journal. You can find some papers in the website of TELKOMNIKA.

g) Highlight, or someway mark, any changes so that the revision can be readily assessed. You should also include a response to the reviewer remarks indicating how you have addressed the concerns. This response can be prepared in a separation file at the time of revision.

---

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<http://journal.uad.ac.id/index.php/TELKOMNIKA>

email: [telkomnika@ee.uad.ac.id](mailto:telkomnika@ee.uad.ac.id)

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email: [telkomnika@ee.uad.ac.id](mailto:telkomnika@ee.uad.ac.id)

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**2 attachments**



**Response to reviewers Aryu PV.doc**

37K



**Aryu PV Rev2.doc**

534K

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**Tole Sutikno** <tole@ee.uad.ac.id>  
To: Aryuanto <aryuanto@gmail.com>  
Cc: aryuanto@yahoo.com

Thu, Apr 19, 2012 at 9:54 PM

Dear Sir,

We confirm that your file has reached us.  
Thank you

Regards,  
Tole Sutikno

[Quoted text hidden]



Aryunto Soetedjo &lt;aryunto@gmail.com&gt;

---

**[TELKOMNIKA] Submission Acknowledgement**

1 message

**Tole Sutikno** <tole@ee.uad.ac.id>

Sat, Nov 5, 2011 at 1:52 PM

To: "Dr. Eng. Aryunto Soetedjo" &lt;aryunto@gmail.com&gt;

Dear Dr. Eng. Aryunto Soetedjo,

We have received your paper entitled "Modeling of Maximum Power Point Tracking Controller for Solar Power System" submitted for possible publication in TELKOMNIKA Indonesian Journal of Electrical Engineering. Thank you for submitting the above manuscript to the TELKOMNIKA. We assume that the manuscript you submitted has not been published, scheduled to be published, or is not currently under review for publication elsewhere. If this is not the case, please notify our office and/or me immediately.

This paper is being forwarded to our editorial reviewers and I shall let you know the decision regarding this publication, normally within 6-8 weeks. With the online journal management system that we are using, you will be able to track its progress through the editorial process by logging in to the journal web site:

Manuscript URL:

<http://iaesjournal.com/online/index.php/TELKOMNIKA/author/submission/146>

Username: aryunto

If you have any questions, please contact me. Thank you for considering this journal as a venue for your work.

Sincerely yours,

Tole Sutikno

Editor-in-Chief

TELKOMNIKA Indonesian Journal of Electrical Engineering

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Online system:<http://iaesjournal.com/online/index.php/TELKOMNIKA>

Official website:

<http://telkomnika.ee.uad.ac.id>

email:

[telkomnika@ee.uad.ac.id](mailto:telkomnika@ee.uad.ac.id), [thsutikno@ieee.org](mailto:thsutikno@ieee.org)