



NANDI HAERUDIN <nandi.haerudin@eng.unila.ac.id>

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## Acknowledgement of Submission (Manuscript #JESPHYS-201911-1007174)

1 message

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**Journal of the Earth and Space Physics** <igtj-jnl@ut.ac.ir>  
To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com  
Cc: igtj-jnl@ut.ac.ir

Fri, Nov 1, 2019 at 10:35 AM

Manuscript ID: JESPHYS-201911-1007174

Manuscript Title: **A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

Authors: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

Dear **Dr. Nandi Haerudin Haerudin**

I wish to acknowledge receiving the of the above mentioned manuscript.

It should be noted that the manuscript will be reviewed for possible publication in the Scientific Journals Management System.

Please be sure that the submitted manuscript has not been published previously and will not be submitted elsewhere prior to our decision.

Our editorial decision will be brought to your attention once the paper has been reviewed due the referees consideration.

I wish to take this opportunity to thank you for sharing your work with us.

Truly yours,

Executive managing Editor of **Journal of the Earth and Space Physics**



NANDI HAERUDIN &lt;nandi.haerudin@eng.unila.ac.id&gt;

**Manuscript Needs Revision (Manuscript #JESPHYS-201911-1007174 (R1))**

1 message

**Journal of the Earth and Space Physics** <igtujnl@ut.ac.ir>  
To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com

Wed, Jan 1, 2020 at 12:09 PM

Manuscript ID: JESPHYS-201911-1007174

Manuscript Title: **A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

Authors: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

Dear **Dr. Nandi Haerudin Haerudin**

Your Manuscript #JESPHYS-201911-1007174, is not acceptable for publication in the presented form. Numerous Literary grammatical errors have made this article totally unprofessional. You should be advised to partner with highly proficient individuals especially from academia to review the article and change it drastically.

Truly yours,

Editorial Office of **Journal of the Earth and Space Physics**

Reviewers Recommendation:

**Reviewer 1:**

File Sent by Reviewer:

[https://jesphys.ut.ac.ir/jufile?\\_file=BoZ\\_XK2sp352AjR0tFcchK.AyZjAnyKahuj68zIM3V0dt0AoWnrMvXN\\_sQMwnblwelNRVllwjRlxco5l8b8hlyn2jZ5PUx7\\_PT7XlslxATpj3VZcVZEDf7AMQUEI6HShR1rMnniy98AWJsWwB7o2100nKzkq3Wf.gyu8ex1qHajHG6uRQgK9jXR57dUBwqg](https://jesphys.ut.ac.ir/jufile?_file=BoZ_XK2sp352AjR0tFcchK.AyZjAnyKahuj68zIM3V0dt0AoWnrMvXN_sQMwnblwelNRVllwjRlxco5l8b8hlyn2jZ5PUx7_PT7XlslxATpj3VZcVZEDf7AMQUEI6HShR1rMnniy98AWJsWwB7o2100nKzkq3Wf.gyu8ex1qHajHG6uRQgK9jXR57dUBwqg)

**Reviewer 2:**

Reviewer Comment For Author:

First, thank you for the hassle in providing the paper, and let me ask you some questions about the ambiguities we face when reading the paper.

1. In abstract section you mentioned Monte Carlo method as an inversion method, is it a simulation method or an inversion method?
2. Simulation method has an iterative method that you can't say results of it is reliable result. Why you used of it as an initial model? It is good to explain about why this method?
3. Do you used of noise in synthetic models? Please mention noise attributes and discuss on effects of noise on output initial and final models..
4. What's your criteria to recognize that obtained RMS has a reliable value?
5. Why you didn't used from iterative inverse method such as CG or LSQR instead of SVD method?
6. Why damped LS?? Why you didn't used from newer and better inversion method?
7. Please show relations between damped factor, convergence and RMS, and explain how you select optimal factor?
8. In a synthetic case, please show difference between output models from inversion with and without initial model from Monte Carlo simulation.
9. "Therefore, we can say that the combination of Monte-Carlo and Damped least-square inversion method, can

3/25/23, 2:17 PM

unila.ac.id Mail - Manuscript Needs Revision (Manuscript #JESPHYS-201911-1007174 (R1))

overcome dan minimize the effect of the non-uniqueness problem." Please explain how you reached to this result?  
10. You didn't show your innovation completely, please discuss more about it.



NANDI HAERUDIN &lt;nandi.haerudin@eng.unila.ac.id&gt;

**یادآوری بازنگری مقاله (Manuscript #JESPHYS-201911-1007174 (R1))**

1 message

&lt;igtu-jnl@ut.ac.ir&gt; فیزیک زمین و فضا

Thu, Jan 16, 2020 at 7:31 AM

To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com

کد مقاله: JESPHYS-201911-1007174 (R1)

**عنوان مقاله: A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

نویسنده/ نویسندگان: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

نویسنده گرامی: دکتر Nandi Haerudin Haerudin

باسلام و احترام؛

به استحضار می‌رساند مهلت تعیین شده جهت ارسال مقاله اصلاح شده به اتمام رسیده است. لذا جنابعالی/سرکار عالی می‌توانید تا 20 روز آینده از تاریخ این نامه نسبت به ارسال مقاله از طریق سامانه نشریات اقدام فرمائید. قبل ذکر است در صورت عدم ارسال اصلاحات مورد نظر در مهلت تعیین شده، مقاله به دلیل عدم پاسخگویی نویسنده مقاله از گردش کار خارج خواهد شد.

باتشکر

مجله فیزیک زمین و فضا



NANDI HAERUDIN <nandi.haerudin@eng.unila.ac.id>

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## Acknowledgement of Revision (Manuscript #JESPHYS-201911-1007174 (R1))

1 message

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**Journal of the Earth and Space Physics** <igtj-jnl@ut.ac.ir>  
To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com  
Cc: igtj-jnl@ut.ac.ir

Thu, Feb 6, 2020 at 3:09 AM

Manuscript ID: JESPHYS-201911-1007174 (R1)

Manuscript Title: **A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

Authors: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

Date: 2019-11-01

Dear **Dr. Nandi Haerudin Haerudin**

Thank you for submitting the revised file of your manuscript to the **Journal of the Earth and Space Physics**

The Editorial Office will proceed on your manuscript and inform you in the earliest time.

If there is anything else, please do not hesitate to contact us.

Truly yours,

Executive Managing Director of **Journal of the Earth and Space Physics**



NANDI HAERUDIN &lt;nandi.haerudin@eng.unila.ac.id&gt;

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**Manuscript Needs Revision (Manuscript #JESPHYS-201911-1007174 (R2))**

1 message

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**Journal of the Earth and Space Physics** <igtu-jnl@ut.ac.ir>  
To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com

Wed, Mar 4, 2020 at 5:15 PM

Manuscript ID: JESPHYS-201911-1007174 (R1)

Manuscript Title: **A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

Authors: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

Dear **Dr. Nandi Haerudin Haerudin**

Your Manuscript #JESPHYS-201911-1007174 (R1), is not acceptable for publication in the presented form. Numerous Literary grammatical errors have made this article totally unprofessional. You should be advised to partner with highly proficient individuals especially from academia to review the article and change it drastically.

Truly yours,

Editorial Office of **Journal of the Earth and Space Physics**

Reviewers Recommendation:

**Reviewer 1:**

Reviewer Comment For Author:

The author have mentioned that global optimization methods such as Genetic Algorithm, simulated annealing and particle swarm optimization need much more time to calculate the inversion, because the forward modeling using 2D finite difference and it is expensive in computation. Does it mean that Monte Carlo method do not use finite difference for forward modeling calculation and only just produce random starting models. But in the inversion using damped least squares criterion it needs only one starting model for inversion. In Figure11 (The purposed inversion scheme flow chart) also says that the outcome of Monte Carlo method is one final model that used for damped least squares inversion. Please in the article explain clearly these contradictions to clarify for readers.



NANDI HAERUDIN &lt;nandi.haerudin@eng.unila.ac.id&gt;

**یادآوری بازنگری مقاله (Manuscript #JESPHYS-201911-1007174 (R2))**

1 message

&lt;igtujnl@ut.ac.ir&gt; فیزیک زمین و فضا

Thu, Mar 19, 2020 at 7:31 AM

To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com

کد مقاله: JESPHYS-201911-1007174 (R2)  
عنوان مقاله: **A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

نویسنده/ نویسندگان: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

نویسنده گرامی: دکتر Nandi Haerudin Haerudin

باسلام و احترام؛

به استحضار می‌رساند مهلت تعیین شده جهت ارسال مقاله اصلاح شده به اتمام رسیده است. لذا جنابعالی/سرکار عالی می‌توانید تا 20 روز آینده از تاریخ این نامه نسبت به ارسال مقاله از طریق سامانه نشریات اقدام فرمائید. قابل ذکر است در صورت عدم ارسال اصلاحات مورد نظر در مهلت تعیین شده، مقاله به دلیل عدم پاسخگویی نویسنده مقاله از گردش کار خارج خواهد شد.

باتشکر

مجله فیزیک زمین و فضا



NANDI HAERUDIN <nandi.haerudin@eng.unila.ac.id>

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## Acknowledgement of Revision (Manuscript #JESPHYS-201911-1007174 (R2))

1 message

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**Journal of the Earth and Space Physics** <igtj-jnl@ut.ac.ir>  
To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com  
Cc: igtj-jnl@ut.ac.ir

Sun, Mar 29, 2020 at 9:53 PM

Manuscript ID: JESPHYS-201911-1007174 (R2)

Manuscript Title: **A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

Authors: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

Date: 2019-11-01

Dear **Dr. Nandi Haerudin Haerudin**

Thank you for submitting the revised file of your manuscript to the **Journal of the Earth and Space Physics**

The Editorial Office will proceed on your manuscript and inform you in the earliest time.

If there is anything else, please do not hesitate to contact us.

Truly yours,

Executive Managing Director of **Journal of the Earth and Space Physics**





NANDI HAERUDIN <nandi.haerudin@eng.unila.ac.id>

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## Request for Submit/Confirm Galley Proof (#JESPHYS-201911-1007174 (R2))

1 message

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**Journal of the Earth and Space Physics** <igtu-jnl@ut.ac.ir>  
To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com

Wed, Jan 13, 2021 at 1:18 PM

Manuscript ID: JESPHYS-201911-1007174 (R2)

Manuscript Title: **A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

Authors: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

Dear **Dr. Nandi Haerudin Haerudin**

The final version will be sent after editing and layout for review and correction. Please reply to the requested corrections as a comment in the same file PDF and submit the modified article as confirmation by name (for example Confirming by author code xxxx) up to ten business days.

Truly yours,

**A. Aliakbari-Bidokhti**

**Editor-in-Chief of Journal of the Earth and Space Physics**



NANDI HAERUDIN &lt;nandi.haerudin@eng.unila.ac.id&gt;

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**Scientific Acceptation of Manuscript (Manuscript #JESPHYS-201911-1007174 (R2))**

2 messages

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**Journal of the Earth and Space Physics** <igtu-jnl@ut.ac.ir>  
To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com

Sat, Apr 4, 2020 at 2:01 PM

Manuscript ID: JESPHYS-201911-1007174 (R2)

Manuscript Title: **A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

Authors: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

Dear **Dr. Nandi Haerudin Haerudin**

the paper JESPHYS-201911-1007174 (R2) is reviewed by the referees and this is a preliminary acceptance. The final acceptance is depending on the editorial boards' meeting.

Truly yours,

Editorial Office of **Journal of the Earth and Space Physics**

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**Miss Risa Jean Bikomagu** <nandi.haerudin@eng.unila.ac.id>  
Reply-To: risadonatus777@gmail.com  
To: Journal of the Earth and Space Physics <igtu-jnl@ut.ac.ir>

Sat, Apr 4, 2020 at 5:58 PM

Dear Editor

Thank you for the good news that you sent. We hope we get the final acceptance and our papers can be published in your journal.

yours sincerely

Author

[Quoted text hidden]



NANDI HAERUDIN &lt;nandi.haerudin@eng.unila.ac.id&gt;

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**Acceptance of Manuscript (#JESPHYS-201911-1007174 (R2))**

3 messages

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**Journal of the Earth and Space Physics** <igtu-jnl@ut.ac.ir>  
To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com

Tue, Jun 9, 2020 at 1:49 PM

Manuscript ID: JESPHYS-201911-1007174 (R2)

Manuscript Title: **A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

Authors: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

Dear **Dr. Nandi Haerudin Haerudin**

Respectfully, we would like to inform you the paper entitled "**A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**" which is written by "Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi" has been accepted and it's confirmed to publish in Journal of the Earth and Space Physics.

Truly yours,

Editorial Office of **Journal of the Earth and Space Physics**

---

**Miss Risa Jean Bikomagu** <nandi.haerudin@eng.unila.ac.id>  
Reply-To: risadonatus777@gmail.com  
To: Journal of the Earth and Space Physics <igtu-jnl@ut.ac.ir>

Tue, Jun 9, 2020 at 2:47 PM

Dear Editor,  
I am very happy to hear that my paper is accepted for publication. thanks a lot.  
best regards  
Nandi Haerudin

[Quoted text hidden]

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**Miss Risa Jean Bikomagu** <nandi.haerudin@eng.unila.ac.id>  
Reply-To: risadonatus777@gmail.com  
To: Ida Bagus Suananda Yogi <suananda.yogi@eng.unila.ac.id>

Tue, Jun 9, 2020 at 2:47 PM

[Quoted text hidden]



NANDI HAERUDIN &lt;nandi.haerudin@eng.unila.ac.id&gt;

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**Manuscript Published Online (#JESPHYS-201911-1007174 (R2))**

4 messages

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**Journal of the Earth and Space Physics** <igtu-jnl@ut.ac.ir>  
To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com

Mon, Feb 1, 2021 at 6:56 PM

Manuscript ID: JESPHYS-201911-1007174 (R2)

Manuscript Title: **A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

Authors: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

Dear **Dr. Nandi Haerudin Haerudin**

I am pleased that your published article is on the net. Kindly visit:

<https://jesphys.ut.ac.ir/>

Your paper will be published in print in one of the upcoming issues of the .

I am sorry, I cannot say exactly in which issue because we have a huge backlog of online articles that are waiting for printing.

After publication, the article corresponding author will receive one journal issue along with 5 reprints.

I wish you luck and Thank you for sharing your work with us.

Truly yours,

**A. Aliakbari-Bidokhti****Editor-in-Chief of Journal of the Earth and Space Physics**

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**Journal of the Earth and Space Physics** <igtu-jnl@ut.ac.ir>  
To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com

Mon, Feb 1, 2021 at 7:38 PM

[Quoted text hidden]

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**Journal of the Earth and Space Physics** <igtu-jnl@ut.ac.ir>  
To: nandi.haerudin@eng.unila.ac.id, nandithea@yahoo.com  
Cc: suananda.yogi@eng.unila.ac.id

Mon, Feb 1, 2021 at 7:48 PM

Manuscript ID: JESPHYS-201911-1007174 (R2)

Manuscript Title: **A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case**

Authors: Nandi Haerudin Haerudin, Ida Bagus Suananda Yogi

Dear **Dr. Nandi Haerudin Haerudin**

**Your paper published in journal.**

Kindly visit: <https://jesphys.ut.ac.ir/>

[Quoted text hidden]

---

**Miss Risa Jean Bikomagu** <nandi.haerudin@eng.unila.ac.id>  
Reply-To: risadonatus777@gmail.com  
To: Journal of the Earth and Space Physics <igtj-jnl@ut.ac.ir>

Tue, Feb 2, 2021 at 2:24 PM

Dear A. Aliakbari-Bidokhti

Thank you for the efforts made by the editor so that our articles can be published. This opportunity is a pleasant experience to publish our articles in your journal. We hope that in the future we can share more with you.

Regarding the printed publication, we will wait for further good news.

Regards,

Nandi Haerudin

[Quoted text hidden]

### **Article Acceptance Certificate**

This certificate confirms that the following paper has been accepted for publication in  
Journal of the Earth and Space Physics

Title: A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining  
Radon Source in Geothermal Case

ID: JESPHYS-201911-1007174 (R2)

Authors: Nandi Haerudin Haerudin,

Submit Date: 01 November 2019

Accept Date: 09 June 2020

**Dr. Aliakbari-Bidokhti, A. A.**

**Editor-in-Chief of Journal of the Earth and Space Physics**

### **Article Acceptance Certificate**

This certificate confirms that the following paper has been accepted for publication in  
Journal of the Earth and Space Physics, Volume 46, Issue 4

Title: A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining  
Radon Source in Geothermal Case

ID: JESPHYS-201911-1007174 (R2)

Authors: Nandi Haerudin Haerudin,

Submit Date: 01 November 2019

Accept Date: 09 June 2020

Publish Date: 20 January 2021

**Dr. Aliakbari-Bidokhti, A. A.**

**Editor-in-Chief of Journal of the Earth and Space Physics**



# Journal of the Earth and Space Physics



Print ISSN: 2538-371X  
Online ISSN: 2538-3906

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My Home / Author / Submissions with a Decision

#	Manuscript ID	Manuscript Type	Manuscript Title	Submit Date	Current Status	Modify Date	Email	Manuscript Main File	Acceptance Certificate	Publish Certificate
1	JESPHYS-201911-1007174 (R2)	Research Article	A Combination of Monte-Carlo and Damped Least Square Inversion Method for Determining Radon Source in Geothermal Case	2019-11-01	Manuscript Published (Online)	2021-02-01				

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