

RINENG-D-22-02220 - Confirming your submission to Results in Engineering

Marwan Marwan/Inbox



Results in Engineering <em@editorialmanager.com>

To:Marwan Marwan

Mon, 26 Dec 2022 at 7:26 am



Dear Marwan,

Your submission entitled "Optimize electrical energy cost of air conditioning considering to different wall characteristics" has been received by journal Results in Engineering. It has been assigned the following manuscript number: RINENG-D-22-02220.

You will be able to check on the progress of your paper by logging on to Editorial Manager as an author. The URL is <https://www.editorialmanager.com/rineng/>.

Your manuscript will be given a reference number once an Editor has been assigned.

Thank you for submitting your work to this journal.

Kind regards,

Results in Engineering

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#AU_RINENG#

Your Submission

Marwan Marwan/Inbox



Results in Engineering <em@editorialmanager.com>

To:Marwan Marwan

Mon, 23 Jan at 5:27 pm



Ref.: Ms. No. RINENG-D-22-02220

Optimize electrical energy cost of air conditioning considering to different wall characteristics
Results in Engineering

Dear Marwan,

Reviewers have now commented on your paper. You will see that they are advising that you revise your manuscript. If you are prepared to undertake the work required, I would be pleased to reconsider my decision.

For your guidance, reviewers' comments are appended below.

If you decide to revise the work, please submit a list of changes or a rebuttal against each point which is being raised when you submit the revised manuscript.

Please resubmit your revised manuscript by Feb 13, 2023.

To submit a revision, go to <https://www.editorialmanager.com/rineng/> and log in as an Author. You will see a menu item call Submission Needing Revision. You will find your submission record there.

Research Elements (optional)

This journal encourages you to share research objects - including your raw data, methods, protocols, software, hardware and more – which support your original research article in a Research Elements journal. Research Elements are open access, multidisciplinary, peer-reviewed journals which make the objects associated with your research more discoverable, trustworthy

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Yours sincerely

Yi HUANG, Ph.D.

Editor

Results in Engineering

Comments from the Editors and Reviewers:

Your article would appear to be of interest to a wide engineering research community and in order to promote its visibility even more, may we recommend that you view the past published articles in Results in Engineering and if you find any relevant publications, CITE the article from this Journal.

Reviewer 1: This paper aims to present a study of the cost of an air conditioning system by varying three different compositions of the wall, to design energy-efficient buildings. To do this the numerical cooling model has been done. Designing a building to have a good comfort zone is interesting and are very important engineering discipline.

One of the strengths of this paper is the methodology of work followed scientific methodology, however, the following point should be considered to make the article strong.

The Ansys model used in this study should be better mentioned.

In the design of the building, the orientation matters the cooling load calculations, but not considered in your study.

And geographical location also matters in the application of material options, so this concept is also not considered in your study.

The conclusions are not supported by meaningful numerical results.

Therefore, since the topics are investigated many times throughout the world, this paper is not having enough strong ideas, and discussions, as expected. Hence, I am not interested in the content and potential of the paper for the wide reader.

Reviewer 2: The idea of the paper is interesting to show the electricity management from the type of the brick. However, the paper presentation is poor. In order to increase the quality of the paper some comments can be considered:

1. This paper need to restructure. In the literature review the state of the art need to present. The author can present in tabular form. This table can help the reader to measure the research gap and contribution. Moreover, in the methodology the flowchart is necessary. In addition, the equation

should be presented in more detail and reflected to the result.

2. The parameter of those 3 bricks should be presented which should be correlated to the variable in the equations
3. The math equation of the heat distribution of each type of brick should be presented
4. Are the heat transfer coefficient is different between type? How this condition explain in the paper?
5. In term of electrical energy consumption, how much electricity use?

Reviewer 3: Author investigated "Optimize electrical energy cost of air conditioning considering to different wall Characteristics"

Styrofoam has high thermal resistance, how much is the value? This is very well know information. What is the novelty?

In the literature review you must make a table or graphical representation of what are the different currently available building wall insulation which can reduce the energy cost. There are several novel energy materials are available why didn't you consider them? E.g. aerogel blanket, PEPCM,

Styrofoam type material is now globally used . Particularly in the cold climatic condition they are famous. You have considered here only wall. But you could write few lines of building windows as well using below work.

<https://doi.org/10.1016/j.energy.2022.124898>

<https://doi.org/10.1016/j.job.2022.105101>

<https://doi.org/10.1016/j.energy.2022.124073>

In your goal and ambition you didn't specify any particular climate or country. So is this applicable for any location?

What type of software you have used to perform this work?

Figure 5 shows an illustration of tout in Barru, South Sulawesi, during the entire day of July 17, 2021. You must specify this information in the abstract and beginning of the introduction section. Also the latitude is essential

In the method- make a clear list showing which are input parameters and what are output parameters and what are constant parameters. Which parameters are given ?

Section 3.4- is it Figure 8 or Figure 15? What is IDR?

I think your work needs more analysis and reasoning for choosing the styrofoam. The reason to choose this still is not very clear. Once this is clear the later part will make more sense.

#AU_RINENG#

To ensure this email reaches the intended recipient, please do not delete the above code

Revision of "Optimize electrical energy cost of air conditioning considering to different wall characteristics" is due soon

Marwan Marwan/Inbox



Yi HUANG <em@editorialmanager.com>

To: Marwan Marwan

Mon, 6 Feb at 1:33 pm



This is an automated message.

Manuscript Number: RINENG-D-22-02220

Optimize electrical energy cost of air conditioning considering to different wall characteristics

Dear Marwan,

We would like to remind you that on Jan 23, 2023 we asked you to revise your above referenced manuscript and your revision is due by Feb 13, 2023.

Results in Engineering values your contribution and we look forward to receiving your revised manuscript.

To submit your revision, please log in as an author at <https://www.editorialmanager.com/RINENG/>, and navigate to the "Submissions Needing Revision" folder under the Author Main Menu. You will also find the decision letter and comments available there.

If you do not plan to revise your manuscript, please click "Decline to Revise" in the "Submissions Needing Revision" folder.

If you require more time, please contact the journal office by replying to this email.

Kind regards,
Results in Engineering

More information and support:

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#AU_RINENG#

Submission Confirmation for RINENG-D-22-02220R1

Marwan Marwan/Inbox



Results in Engineering <em@editorialmanager.com>

To:Marwan Marwan

Sun, 12 Feb at 1:54 pm



Ref.: Ms. No. RINENG-D-22-02220R1

Optimize electrical energy cost of air conditioning considering to different wall characteristics

Dear Marwan,

Results in Engineering has received your revised submission.

You may check the status of your manuscript by logging onto Editorial Manager at (<https://www.editorialmanager.com/rineng/>).

Kind regards,

#AU_RINENG#

Track the status of your submission to **Results in Engineering**

Marwan Marwan/Inbox



Track your Elsevier submission <no-reply@submissions.elsevier.com>

To:marwan@poliupg.ac.id

Tue, 14 Feb at 6:50 am

Manuscript Number: RINENG-D-22-02220

Manuscript Title: Optimize electrical energy cost of air conditioning considering to different wall characteristics

Journal: Results in Engineering

Dear Marwan Marwan,

Your submitted manuscript is currently under review. You can track the status of your submission in Editorial Manager, or track the review status in more detail using Track your submission here:

<https://track.authorhub.elsevier.com?uuid=a4411816-b755-441e-b5b9-de74cb2e412e>

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We hope you find this service useful.

Kind regards,

Journal Office of Results in Engineering

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Dear Author, your article has been accepted

Marwan Marwan/Inbox



Results in Engineering <service@author.email.elsevier.com>

To:marwan@poliupg.ac.id

Fri, 3 Mar at 12:10 am

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We recognize you have a choice of where to submit your research and we thank you for choosing to publish with *Results in Engineering*.

As an expert in the field, you are best placed to explain why your article, **Optimize electrical energy cost of air conditioning considering to different wall characteristics**, is interesting or impactful to a wider audience. Find out how you can help your article get the visibility it deserves:



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We look forward to receiving future manuscripts from you!

Sincerely,

Researcher Engagement Team

IMPORTANT PLEASE TAKE ACTION, Production has begun on your article
[RINENG_100990] in **Results** in **Engineering**

Marwan Marwan/Inbox

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t.deenthayalan@elsevier.com

To:marwan@poliupg.ac.id

Sat, 11 Mar at 1:34 pm

Our reference: RINENG 100990

Article reference: RINENG_RINENG-D-22-02220

Article title: Optimize electrical energy cost of air conditioning considering to different wall characteristics

To be published in: Results in Engineering

Dear Dr. Marwan,

Congratulations on your accepted paper! Thank you for choosing to publish in Results in Engineering. Please read this e-mail carefully as it contains important information.

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Please check that your details listed below are correct so we can contact you if needed:

Dr. Marwan Marwan

State Polytechnic Ujung Pandang

Makassar

Indonesia

Phone: not available

Fax: not available

E-mail: marwan@poliupg.ac.id

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To help us provide you with the best service, please make a note of your article's reference number RINENG 100990 and quote it in all of your messages to us.

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Thank you for your cooperation.

Kind regards,

Mr D Thayanithi

Data Administrator

Elsevier

E-Mail: t.deenthavalan@elsevier.com

Dear Author, your article is online, what's next?

Marwan Marwan/Inbox



Results in Engineering <service@author.email.elsevier.com>

To:marwan@poliupg.ac.id

Fri, 17 Mar at 6:17 pm

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