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**[J. Adv. Res. Fluid Mech. Therm. Sc.] Submission Acknowledgement**

1 message

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**Nor Azwadi Che Sidik** <azwadi@akademiabaru.com>  
To: I Nyoman Suamir <nyomansuamir@pnb.ac.id>

Tue, Dec 8, 2020 at 2:18 PM

Hello,

I Made Rasta has submitted the manuscript, "Air conditioning system performance of a city hotel appraised for energy use efficiency" to Journal of Advanced Research in Fluid Mechanics and Thermal Sciences.

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

Nor Azwadi Che Sidik

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[Journal of Advanced Research in Fluid Mechanics and Thermal Sciences](#)

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**[J. Adv. Res. Fluid Mech. Therm. Sc.] Editor Decision**

1 message

**Nor Azwadi Che Sidik** <azwadi@akademiabaru.com>

Mon, Jan 11, 2021 at 11:34 PM

To: I Made Rasta &lt;maderasta@pnb.ac.id&gt;, I Nyoman Suamir &lt;nyomansuamir@pnb.ac.id&gt;

I Made Rasta, I Nyoman Suamir:

We have reached a decision regarding your submission to Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, "Air conditioning system performance of a city hotel appraised for energy use efficiency".

Our decision is: Revisions Required

(Please upload the revised manuscript file in OJS SYESTEM under Review Tab at Revision section)

Please submit the revised article by 26 January 2021

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The paper is acceptable for publication. Please proofread the paper.

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**[J. Adv. Res. Fluid Mech. Therm. Sc.] Editor Decision**

1 message

**Nor Azwadi Che Sidik** <azwadi@akademiabaru.com>

Mon, Jan 18, 2021 at 3:27 PM

To: I Made Rasta &lt;maderasta@pnb.ac.id&gt;, I Nyoman Suamir &lt;nyomansuamir@pnb.ac.id&gt;

I Made Rasta, I Nyoman Suamir:

We have reached a decision regarding your submission to Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, "Air conditioning system performance of a city hotel appraised for energy use efficiency".

Our decision is: Revisions Required

(Please upload the revised manuscript file in OJS SYESTEM under Review Tab at Revision section)

Please submit the revised article by 3 Feb 2021

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Reviewer A:

Recommendation: Revisions Required

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1. The topic is important and relevant for publication

Yes

2. The work presented in the manuscript is original

Yes

3. The manuscript uses sufficient references

Yes

4. The manuscript uses appropriate language and styles

Yes

5. The title of the manuscript is appropriate

Yes

6. The order of presentation is satisfactory

Yes

7. The abstract adequately summarizes the content of the manuscript

Yes

8. The introduction is adequately developed

No

9. The problem described in the manuscript is clearly stated

Yes

10. The adopted methodology described in the manuscript is sound

No

11. The findings of this manuscript are correctly interpreted

Yes

12. The quality of figures and illustrations is acceptable for publications

Yes

13. The manuscript does not dwell on any sensitive issues

Yes

#### Comments to Author

The submission titled "Air conditioning system performance of a city hotel appraised for energy use efficiency" describes a study of performance evaluation on energy performance of split type AC applied for a city hotel in Bali, Indonesia. According to the energy appraisal results and its impact to the hotel energy consumption electricity costs, the energy efficiency improvement strategy and economic practices are proposed. The research topics are reasonable and meet the requirements of the journal. In general, the manuscript is interesting and the methodology well supported. The results are helpful to improve building design and optimize air conditioning system to reduce cooling load and energy waste. However, the relevant methods or details in the manuscript are ignored or not clearly included. Therefore, I recommend a minor revision of the manuscript. I listed here some minor issues for authors so that they may consider them to improve this manuscript for future submission.

Comments:

- 1) The adopted methodology in the manuscript is sound, However, the meaning of the methodology needs to be further explained.
- 2) The innovation of this research is expected to be clearly explained in the introduction.
- 3) Please mark the meaning of the symbols in Fig. 8, such as T, P, 1a, 1b, 2, 3, 4.
- 4) Make sure all the symbol used in equations are defined and cited in the text and confirm whether the unit of each symbol is correct.
- 5) In page 22, "Rearranging the outdoor unit position to a better elevation level for AC systems of Group I in Building-1 has been conducted in 2017". It is necessary to explain which variables have been changed in the rearrangement.
- 6) The definition of the picture in this paper is not qualified, for example, Fig. 10-15.

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## Response to Reviewers' comments

Title: Air Conditioning System Performance of a City Hotel Appraised for Energy Use Efficiency  
Authors: I Made Rasta and I Nyoman Suamir  
Journal: Journal of Advanced Research in Fluid Mechanics and Thermal Sciences

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Dear Reviewers,

Thank you very much for your valuable reviews. Please find our responses to your comments/suggestions/reviews.

**Comment 1:** 1) The adopted methodology in the manuscript is sound, However, the meaning of the methodology needs to be further explained.

**Re:** Thank you. We have revised the paragraph 1 in Section 2.5 *Methodology and assumptions*. Hopefully, this can explain further the methodology based on the innovation described in the Introduction.

**Comment 2:** The innovation of this research is expected to be clearly explained in the introduction.

**Re:** You are right. We have been attempting to describe the innovation of this research in the introduction. The last two paragraphs in the introduction may answer it. We have revised the last paragraph of the introduction section. We hope this can answer your expectation.

**Comment 3:** Please mark the meaning of the symbols in Fig. 8, such as T, P, 1a, 1b, 2, 3, 4.

**Re:** Thank you for your suggestion. Descriptions have been added below the schematic in Figure 8.

**Comment 4:** Make sure all the symbol used in equations are defined and cited in the text and confirm whether the unit of each symbol is correct

**Re:** Thank you. We have revised the article. All symbols used in the equations have been defined and all equations have also been cited in the text. The unit of each symbol has been checked. We can confirm the unit of each symbol is correct.

**Comment 5:** In page 22, "Rearranging the outdoor unit position to a better elevation level for AC systems of Group I in Building-1 has been conducted in 2017". It is necessary to explain which variables have been changed in the rearrangement.

**Re:** You perhaps mean "in page 18". The paragraph has been revised.

**Comment 6:** The definition of the picture in this paper is not qualified, for example, Fig. 10-15.

**Re:** Yes, you are correct. We have replaced the pictures with much better definition.

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## Proof of payment fee for article 2492\_Made Rasta

1 message

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**I Nyoman Suamir** <nyomansuamir@pnb.ac.id>  
To: Nor Azwadi Che Sidik <azwadi@akademiabaru.com>

Thu, Feb 4, 2021 at 1:56 PM

Dear Editor,

We have sent the payment fee for article number 2492 (I Made Rasta) " Air conditioning system performance of a city hotel appraised for energy use efficiency". Please kindly find the attached file - the proof of payment fee for Journal of Advanced Research in Fluid Mechanics and Thermal Sciences.

Thank you for your cooperation and help.

Best regards

**Dr. I Nyoman Suamir**  
Lecturer and Researcher  
Mechanical Engineering Department  
Bali State Polytechnic  
Jl. Kampus Bukit Jimbaran  
Kuta Selatan  
Bali 80364  
Indonesia



**Payment-receipt\_Rasta 2021.jpeg**  
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**Congratulations, your paper has been published!**

1 message

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**Nor Azwadi Che Sidik** <azwadi@akademiabaru.com>  
To: maderasta@pnb.ac.id, nyomansuamir@pnb.ac.id

Sun, Jun 6, 2021 at 2:31 PM

**Congratulations, your paper has been published!**

Dear I Made Rasta, I Nyoman Suamir,

Your work has now been published in the Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, volume 83, no. 1.

<https://www.akademiabaru.com/submit/index.php/arfmts/article/view/2492>

It's the final version of your work and can be cited, downloaded and shared.

Rasta, I. M., &amp; Suamir, I. N. (2021). Air Conditioning System Performance of a City Hotel Appraised for Energy Use Efficiency. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 83(1), 118–139.

<https://doi.org/10.37934/arfmts.83.1.118139>

Thank you again for publishing with us. We wish you the best success with your research.

Kind regards

The Akademia Baru Publishing Team

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