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International Journal of Heat and Mass Transfer <EviseSupport@elsevier.com>

12 Juni 2019 pukul 07.51

Balas Ke: EviseSupport@elsevier.com Kepada: ike.midiani@gmail.com

Dear Mrs Midiani,

Submission no: HMT_2019_2973

Submission title: Characterization of Capillary Pumping Amount in Novel Sintered Zeolites and Hybrid Zeolite-Cu for

Heat Pipe Applications

Corresponding author: Dr. Wayan Nata Septiadi

Listed co-author(s): Mrs Luh Putu Ike Midiani, Dr Made Sucipta, Professor I Nyoman Suprapta Winaya, Dr Nandy

Putra

Dr. Septiadi has submitted a manuscript to International Journal of Heat and Mass Transfer and listed you as a coauthor. This email is to let you know we will be in contact with updates at each decision stage of the submission process.

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Thank you very much for your submission and we will be in touch as soon as we have any news to share.

International Journal of Heat and Mass Transfer

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Decision on your submission to International Journal of Heat and Mass Transfer

Kambiz Vafai (International Journal of Heat and Mass Transfer)<EviseSupport@elsevier.com> 23 Agustus 2019 pukul 03.00 Kepada: ike.midiani@gmail.com

Ref: HMT_2019_2973

Title: Characterization of Capillary Pumping Amount in Novel Sintered Zeolites and Hybrid Zeolite-Cu for Heat Pipe Applications Journal: International Journal of Heat and Mass Transfer

Dear Mrs Midiani.

Thankyou for submitting your manuscript to International Journal of Heat and Mass Transfer.

I have completed my evaluation of your manuscript. The reviewers recommend reconsideration of your manuscript following revision. I invite you to resubmit your manuscript after addressing the comments below.

When revising your manuscript, please consider all issues mentioned in the reviewers' comment carefully: please outline in a cover letter every change made in response to their comments and provide suitable rebuttals for any comments not addressed. Please note that your revised submission WILL be re-reviewed.

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International Journal of Heat and Mass Transfer values your contribution and I look forward to receiving your revised manuscript.

Kind regards,

Kambiz Vafai Editor

International Journal of Heat and Mass Transfer

Editor and Reviewer Comments:

-Reviwer 1

- 1. The paper tittled "Characterization of Capillary Pumping Amount in Novel Sintered Zeolites and Hybrid Zeolite-Cu for Heat Pipe Applications" seem to present a novel strategy for heat pipe applications.
- 2. The paper is well written. However, to further enhance the comprehensibility, I recommend to including a flowchart to show the working of the method.
- 3. In this paper, the theoritical explanation is not up to the mark, and it needs to be corrected.
- 4. Section 2.1, the authors have used several input data without proper literature survey and how to choose those inputs like temperature and grain size, etc... Please explain adequately.
- 5. Several unnecessary diagram have placed in this paper. Also, figures quality is not good.
- 6. Some of the Table numbers are missing please corrects it.

-Reviewer 2

The central theme of the manuscript is development of sintered zeolite and Cu-zeolite composites as wick for heat pipe application. The manuscript has certain scientific merits but it needs proper restructuring to make it readable.

- 1. In the absence of page numbering it is difficult to comment on specific contents.
- 2. The initial part of introduction depicting applications and importance of heat pipes and wick is fine. But the description about contact angle measurement methods in introduction is unnecessary as the prime focus of the study is material not the method.

- 3. Use of future tense about present work in last paragraph of introduction is wrong.
- 4. The research methodology section is too lengthy. This section should have brief description of materials synthesis and characterization techniques. The figures 2, 5, 6 are unnecessary and figures 3,4 should be part of Results and Discussion. The SEM data and table 1 should be in microstructure subsection of results. Figures 7, 8 should also be in results. This section should be rewritten entirely keeping in mind that the manuscript is about materials properties and not about new experimental techniques.
- 5. In results and discussion section 3.2 is repeated.
- 6. In Fig 12 and 13 there are two images so they should be numbered a) and b) for clarity. In fact the second image in both figures is just repetition of Fig 9 and 10 with mention of porosity. It is unnecessary. Better merge the first part of Figs 12 and 13 together.
- 7. The melting temperatures for Cu and zeolite are above 1000 0C whereas the sintering temperature is 950 0C.
- 8. No EDS data is given in the results although it is mentioned in the introduction part.
- 9. Quite a few grammatical mistakes need to be corrected.

The manuscript may have some interesting findings but they are outdone by the poor presentation. Therefore, I recommend a major revision for the manuscript.



Revision Requested: New status for your co-authored submission to International Journal of Heat and Mass Transfer

International Journal of Heat and Mass Transfer <EviseSupport@elsevier.com>

23 Agustus 2019 pukul 03.19

Balas Ke: EviseSupport@elsevier.com Kepada: ike.midiani@gmail.com

Dear Mrs Midiani.

You have been listed as a co-author of the following submission:

Submission no: HMT 2019 2973

Submission title: Characterization of Capillary Pumping Amount in Novel Sintered Zeolites and Hybrid Zeolite-Cu for

Heat Pipe Applications

Corresponding author: Dr. Wayan Nata Septiadi

Listed co-author(s): Mrs Luh Putu Ike Midiani, Professor I Nyoman Suprapta Winaya, Dr Made Sucipta, Dr Nandy

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Your co-authored submission

International Journal of Heat and Mass Transfer <EviseSupport@elsevier.com>

19 September 2019 pukul 18.44

Balas Ke: system@evise.com Kepada: ike.midiani@gmail.com

Dear Mrs. Midiani,

You have been listed as a Co-Author of the following submission:

Journal: International Journal of Heat and Mass Transfer

Title: Characterization of Capillary Pumping Amount in Novel Sintered Zeolites and Hybrid Zeolite-Cu for Heat Pipe **Applications**

Corresponding Author: Wayan Nata Septiadi

Co-Authors: Luh Putu Ike Midiani, I Nyoman Suprapta Winaya, Made Sucipta, Nandy Putra

Wayan Nata Septiadi submitted this manuscript via Elsevier's online submission system, EVISE®. If you are not already registered in EVISE®, please take a moment to set up an author account by navigating to http://www.evise.com/evise/faces/pages/navigation/NavController.jspx?JRNL ACR=HMT

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Thank you,

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20 September 2019 pukul 04.57

Balas Ke: EviseSupport@elsevier.com Kepada: ike.midiani@gmail.com

Dear Mrs Midiani.

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Submission title: Characterization of Capillary Pumping Amount in Novel Sintered Zeolites and Hybrid Zeolite-Cu for

Heat Pipe Applications

Corresponding author: Dr. Wayan Nata Septiadi

Listed co-author(s): Mrs Luh Putu Ike Midiani, Professor I Nyoman Suprapta Winaya, Dr Made Sucipta, Dr Nandy

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26 September 2019 pukul 17.24

Balas Ke: Elsevier Journals <stjnlsemarketing@elsevier.com>

Kepada: ike.midiani@gmail.com



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As an expert in the topic, you are best to explain why your article, Characterization of Capillary Pumping Amount in Novel Sintered Zeolites and Hybrid Zeolite-Cu for Heat Pipe Applications, is so important or novel. Find out how to make the most of your article:



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