

Journal of Advanced Research in Fluid Mechanics and Thermal Sciences

SLUG FLOW IN A HORIZONTAL PIPE

Submissions

**Notifications**

**[ARFMTS] Editor Decision**

2020-02-27 11:01 AM

Nur Qudus, Sonika Maulana, Adhi Kusumastuti, Musyafar Nafi Rozaq, Samsudin Anis:

We have reached a decision regarding your submission to [ARFMTS] Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, "INVESTIGATION OF THE EFFECT OF FLUIDS SUPERFICIAL VELOCITY ON INITIATION AND DEVELOPMENT OF SLUG FLOW IN A HORIZONTAL HYDRAULICS PIPE"

Our decision is: Revisions Required

Nor Azwadi Che Sidik  
azwadi@akademiabaru.com

Reviewer C:  
Recommendation: Revisions Required

- The topic is important and relevant for publication  
Yes
- The work presented in the manuscript is original  
Yes
- The manuscript uses sufficient references  
Yes
- The manuscript uses appropriate language and styles  
Yes
- The title of the manuscript is appropriate  
Yes
- The order of presentation is satisfactory  
Yes
- The abstract adequately summarizes the content of the manuscript  
Yes
- The introduction is adequately developed  
Yes
- The problem described in the manuscript is clearly stated  
Yes
- The adopted methodology described in the manuscript is sound  
Yes
- The findings of this manuscript are correctly interpreted  
Yes
- The quality of figures and illustrations is acceptable for publications  
Yes
- The manuscript does not dwell on any sensitive issues  
Yes

Comments to Author

The paper presents a thorough background to the topic and the gaps the work aims to address. However, it is not clear to the reviewer how the work addresses these gaps. Due to this it is difficult to appreciate what the contribution of the work is and further details and clarifications are recommended to address that.

- How was the void fraction obtained? The methodology section does not provide any information on how void fraction was measured or predicted within the study. This causes confusion to the reviewer regarding Figures 11 and 12. Figure 11 seems to be measured results and Figure 12 a comparison to prediction?
- Following on from the previous point, the sentence "The study revealed that slug void fraction was available in the middle of the three predictions. It is therefore the finding of slug void fraction was acceptable." is also unclear without the clarification on how the void fraction in the present study was obtained (was it measured or predicted and describe how in the methodology?).
- It would be useful to present the equations for the different prediction methods used in Figure 12.
- Are the results in Figure 13 measurements? The discussion before it seems to imply that it is calculated using the approach Naidek et al.
- It would be easier to compare Figures 14 and 15 if they had the same parameter on the x-axis
- For Figures 12 and 16, it may be better to present a 'predicted versus measured' plot as opposed to having to single out values of JG to present.
- Could you please provide more detail on the sentence "The difference found between observed slug frequency and that of the obtained results by previous researchers' equations was due to different parameter used."? It was not clear to the reviewer what this meant, could you expand on what the 'different parameter' was.

Minor corrections:

- Fig.3: 'hydraulic' is misspelt
- Fig 4 and Fig. 6: 'Coalescence' is misspelt
- Fig. 7: Reference Dukler and Hubbard
- Fig.10.d 'droplet' is misspelt

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2020-02-27 11:01 AM

2020-03-10 03:30 PM

2020-03-12 07:23 AM

2020-04-17 09:10 PM

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**Notifications****[ARFMTS] Editor Decision**

2020-03-10 03:30 PM

Nur Qudus, Sonika Maulana, Adhi Kusumastuti, Mussyafar Nafi Rozaq, Samsudin Anis:

We have reached a decision regarding your submission to (ARFMTS) Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, "INVESTIGATION OF THE EFFECT OF FLUIDS SUPERFICIAL VELOCITY ON INITIATION AND DEVELOPMENT OF SLUG FLOW IN A HORIZONTAL HYDRAULICS PIPE".

Our decision is: Revisions Required

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Thank you

Technical Editor ARFMTS  
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**Reviewer's Attachments**

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**[ARFMTS] Editor Decision**

2020-03-12 07:23 AM

Nur Qudus, Sonika Maulana, Adhi Kusumastuti, Mussyafar Nafi Rozaq, Samsudin Anis:

ACCEPTANCE FOR PUBLICATION IN THE **JOURNAL OF ADVANCED RESEARCH IN FLUID MECHANICS AND THERMAL SCIENCES** (2289-7879) – SCOPUS INDEXED

The reviewers have completed the review for your submission to (ARFMTS) Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, "INVESTIGATION OF THE EFFECT OF FLUIDS SUPERFICIAL VELOCITY ON INITIATION AND DEVELOPMENT OF SLUG FLOW IN A HORIZONTAL HYDRAULICS PIPE".

Our decision is to: **Accept for publication**

Please make payment of Article Processing Charge of USD300 (International Corresponding Author) or RM850 (Malaysian Corresponding Author).

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Please email the proof of payment to [azwadi@akademiabaru.com](mailto:azwadi@akademiabaru.com) before we can begin copyediting of the accepted article.

Thank you

Truly

Editor-in-chief, Journal of Advanced Research in Fluid Mechanics and Thermal Sciences

Technical Editor ARFMTS

[journal2017arfmts@gmail.com](mailto:journal2017arfmts@gmail.com)

## Notifications

**[ARFMTS] Editor Decision**

2020-04-17 06:55 PM

Nur Qudus, Sonika Maulana, Adhi Kusumastuti, Mussyafar Nafi Rozaq, Samsudin Anis:

The editing of your submission, "INVESTIGATION OF THE EFFECT OF FLUIDS SUPERFICIAL VELOCITY ON INITIATION AND DEVELOPMENT OF SLUG FLOW IN A HORIZONTAL HYDRAULICS PIPE," is complete. We are now sending it to production.

Submission URL:

<http://www.akademiabaru.com/submit/index.php/arfmts/authorDashboard/submission/579>

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