

Samuel - <samuel@ft.undip.ac.id>

Manuscript Needs Major Revision (#IJE-2202-5268 (R1))

International Journal of Engineering <editorial@e-mail.sinaweb.net>

Thu, Apr 7, 2022 at 5:59 PM

Reply-To: International Journal of Engineering <ije.editor8@gmail.com>

To: samuel@ft.undip.ac.id, samuelaritonang@lecturer.undip.ac.id

Cc: untungb@undip.ac.id, serlianayulianti@students.undip.ac.id, akbaradi48@gmail.com, kiryanto@lecturer.undip.ac.id, muhammadiqbal@lecturer.undip.ac.id

Manuscript ID: IJE-2202-5268

Manuscript Title: **Stern Flap Application on Planing Hulls to Improve Resistance**

Authors: S Samuel, Untung Budiarto, Akbar Adi Wijaya, Serliana Yulianti, Kiryanto Kiryanto, Muhammad Iqbal

Dear Respectful Author Prof./ **Dr. S Samuel**

Your manuscript required major revisions. In this case we normally treat it as unacceptable for publication. However, as numerous editorial errors have pointed out by the reviewers, the **International Journal of Engineering** editor believes that the manuscript could be rectified and prepare for possible publication. We required itemized answer and rebuttal letter to respond all specified reviewers. A marked or highlighted manuscript is required to observe any changes and revision made by the respectful author.

Please let us know your views and respond in this regard and in the case of positive response, reply us within 7 days time.

Truly yours,

Editorial Office of **International Journal of Engineering**

Dear author

Please cite IJE's published articles related to your work.

Regards

Reviewers Recommendation:

Reviewer 1:

Reviewer Comment For Author:

What is the novelty of this research? The same work has been done before:

Yaakob, O., Shamsuddin, S., & King, K. K. Stern flap for resistance reduction of planing hull craft. Jurnal Teknologi, 41.

They have studied the effects of span and chord of stern flap on resistance of a planing hull craft using model tests. Your work is based on CFD method. As you know, experimental results are more accurate and reliable than numerical results.

Reviewer 2:

File Sent by Reviewer:

https://www.ije.ir/jufile?__file=CH8TcEv2_RGqp299T4Ofs0WSfmDEw7yzk.GgKkQICLafXzyywYKj3Un.APJSTBc_a7e6FALMb2CeOvyT4fl.RiiOIZhorNY0cBIPaKdjXITxWrfYhjIRCjztvHWpQCJ90_0xRUV.2ByDEs76I9CqffHigPxts_IGQTci1M6iKvc-

https://www.ije.ir/jufile?__file=t7PrIw3lrkLSe.xan_cqPB8xVm9ScmUPTR7F0NNmP5cpyKlvko9SU.RBZlez_

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Reviewer Comment For Author:

- All sections must be checked grammatically. at least with free Grammarly software.

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In Abstract:

- What is shear drag? In ship hydrodynamics, we use resistance instead of drag. Resistance can be categorized into some parts, which part of resistance do you mean?

- Displacement of ship reduced!, Why?, Do you mean sinkage or displacement?

-

In section 1:

- Please explain: "Drag components such as trim, heave, and displacement "

- Please explain: " The results of our suggestion on ship drag components will increase the shear drag component. "

In section 2.3:

- Meshing must be shown. It should be discussed in more detail.

In section 3.1:

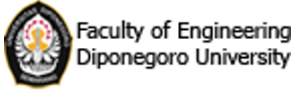
- Why is the mesh not shown in the figures?

- How did you find this?!! It should be discussed in more detail.: "According to numerical simulation findings, the number of cells 2.3 M and 2.99 M have reliable outcomes."

- What are the criteria for selecting domain size?, Reference?

- How did you find this? From which fig. or table?: "The average discrepancy between experimental data and numerical analysis drag, dynamic trim, and heave was less than 9%, 4%, 10.5%, respectively."

- You have twice fig. 6!



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Wed, Apr 13, 2022 at 11:50 PM

To: International Journal of Engineering <ije.editor8@gmail.com>, serlianayulianti@students.undip.ac.id

Dear Editor IJE,

Thank you for providing suggestions on the paper we sent. Here we attach a revision of the suggestion.

Manuscript ID: IJE-2202-5268 (R1)

Stern Flap Application on Planing Hulls to Improve Resistance

Best wishes,

S Samuel

[Quoted text hidden]

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Best regards,

Dr. Eng. Samuel, ST, MT

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3 attachments**Reviewer no 1.docx**

18K

**Reviewer no 2.docx**

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**IJE-2202-5268-1-2_rev 1.docx**

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