



AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

[jets] Submission Acknowledgement from Journal of Engineering and Technological Sciences

journal@office.itb.ac.id <journal@office.itb.ac.id>
Reply-To: "Prof.Dr. Tjandra Setiadi" <jets@lppm.itb.ac.id>
To: Aang Nuryaman <aang.nuryaman@fmipa.unila.ac.id>

Fri, Oct 22, 2021 at 9:25 AM

Dear Aang Nuryaman,

This is to confirm that the manuscript, "Design Optimization of Propellant Grain and Nozzle Contour to Improve Performance of Solid Rocket Propulsion", has been received for consideration in the Journal of Engineering and Technological Sciences.

You will be able to check on the progress of your manuscript by logging on to the ITB Journal Online System: <https://journals.itb.ac.id/index.php/jets>

Manuscript URL: <https://journals.itb.ac.id/index.php/jets/authorDashboard/submission/17255>
Username: aangnuryaman

If you forget the password for the journal's web site, you can use this link to reset your password (which will then be emailed to you along with your username):
<https://journals.itb.ac.id/index.php/jets/login/lostPassword>

For your information, author whose paper is accepted for publication in Journal of Engineering and Technological Sciences is subjected to pay 150 USD per article up to 15 pages.

Your article will be checked for plagiarism first before it will be reviewed by peer reviewers. Please recommend at least two referees candidate for your article who do not have any research cooperation with authors within the last three years (please provide names, institution and email address). The Journal will consider carefully any recommended exclusions, but will not always follow the reviewer recommendations.

Thank you for submitting your manuscript to the Journal of Journal of Engineering and Technological Sciences. Should you have any questions, please feel free to contact our office.

With kind regards,

Prof.Dr. Tjandra Setiadi

Journal of Engineering and Technological Sciences <http://journals.itb.ac.id/index.php/jets>



AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

17255 [jets] Editor Decision from Journal of Engineering and Technological Sciences

jets@lppm.itb.ac.id <jets@lppm.itb.ac.id>

Mon, Feb 14, 2022 at 1:52 PM

To: aang.nuryaman@fmipa.unila.ac.id, ihsanabyan@gmail.com, bagus.hayatul@lapan.go.id, soleh.fajar@lapan.go.id, asmiati308@yahoo.com

Cc: itbjournal <itbjournal@gmail.com>

Dear Aang Nuryaman, M. Ihsan Abyan, Bagus Hayatul Jihad, Soleh Fajar Junjuran, Asmiati,

We have reached a decision regarding your submission to Journal of Engineering and Technological Sciences, "Design Optimization of Propellant Grain and Nozzle Contour to Improve Performance of Solid Rocket Propulsion".

Our decision is: Revisions Required

If you are able to correct the paper taking into account all of the points raised in the referees' report, I would be willing to arrange for the paper to be reviewed again. Revisions should be submitted within 14 days.

Besides the referees' report attached to this email, you can see also the Reviewer Uploaded Files on the journal website to read the additional comments from reviewers (if any).

If you choose to revise your manuscript it will be due to the Editorial Office by 28 February 2022.

The revised article should be submitted on ITB Journals online system under the Review Tab and upload your revised paper as Article Text in the Revisions part.

Submission URL: <https://journals.itb.ac.id/index.php/jets>

If you do not know or forget your username and password for the journal's website, you can use this link to reset your password (which will then be emailed to you along with your username). <https://journals.itb.ac.id/index.php/jets/login/lostPassword>

When submitting your revised paper, please include a separate document that carefully addresses the issues raised in the reviewer comments, point by point. You should also include a suitable rebuttal to any specific request for change that has not been made. To assist the review process, it is essential that all corrections made to the text (in response to both the Editor's and the reviewer's comments) are highlighted in red type.

To upload your revision comments and other additional files (if any), add as Other in the Revisions part.

Thank you, and we look forward to receiving your revised manuscript.

With kind regards,

Prof.Dr. Tjandra Setiadi

Reviewer A:

Recommendation: Revisions Required

Is the paper content original?

- See Comment

Does the paper title represent its content?

- Yes

Does the abstract reflect the paper content?

- Yes

Do the keywords indicate the scope of the research?

- Yes

Is the research methodology or the approach of the problem solving clearly described?

- See Comment

Do the data presentation and interpretation valid and reasonable?

- Yes

Do the use of tables and figures help to clarify the explanation?

- See Comment

Have the discussion and/or analysis been relevant with the results of the study?

- See Comment

Are the references used relevant?

- Yes

Contribution to science:

Fair

Originality

Fair

Systematic:

Good

Language:

Fair

Writing Accuracy:

Fair

Comments to Author:

In this study, performance optimization of the solid rocket motor was performed. The total impulse was maximized by optimizing the configuration of the star grain using the genetic algorithm technique, and a method for designing and applying a bell-shaped nozzle was presented. The research results are in the field of aerospace engineering and correspond to topics that can be published in this journal. It

is recommended to be published in this journal after revising the following matters.

- The technical methods applied in this study, such as theoretical burn back analysis using the geometry of star grain, configuration optimization study using genetic algorithm, and design technique for bell nozzle, have already been widely performed before. Since the proposed technique and method are not particularly new, it is necessary to present the originality and excellence of this study, which is related to the academic value of this study. Based on this, in the conclusion, it would be better to describe the significance of this study more clearly.
- Thrust calculation is performed after performing burn back analysis. In the optimization that maximizes the total impulse, it is more appropriate to perform the analysis together considering the shape of the nozzle. Was the shape of the nozzle derived through optimization analysis? How was the ablation of the nozzle throat considered during the analysis process? A more detailed description of this is required. In addition, it is desirable to present the characteristics of the propellant such as density and burning rate applied to the study.
- What is the grain configuration in the before optimization state? The difference from the optimized result can be understood only when clearly presented how it is determined.
- The font size in Figures 1-5 is too small to be recognized.
- English proof is necessary by a native speaker.

Reviewer B:
Recommendation: Revisions Required

Is the paper content original?

- Yes

Does the paper title represent its content?

- Yes

Does the abstract reflect the paper content?

- Yes

Do the keywords indicate the scope of the research?

- Yes

Is the research methodology or the approach of the problem solving clearly described?

- Yes

Do the data presentation and interpretation valid and reasonable?

- Yes

Do the use of tables and figures help to clarify the explanation?

- Yes

Have the discussion and/or analysis been relevant with the results of the study?

- Yes

Are the references used relevant?

- Yes

Contribution to science:

Very Good

Originality

Very Good

Systematic:

Very Good

Language:

Good

Writing Accuracy:

Good

Comments to Author:

There are some problems should be considered.

Some equations are same and repetitive. Such as equation

$S1=(R_p+f+y)(\pi/N-\xi)$ (4) , $S2=(f+y)(\pi/2-\eta+\xi)$ (5)

in phase 1 with equation $S1=(R_p+f+y)(\pi/N-\xi)$ (14) and $S2=(f+y)(\pi/2-\eta+\xi)$ (15) in phase2.

There is a typo " 45cdeg"

For equation (34), what the It representative ?

The design parameters of the nozzle before and optimized should be given in conclusion.

Reviewer D:

Recommendation: Revisions Required

Is the paper content original?

- Yes

Does the paper title represent its content?

- Yes

Does the abstract reflect the paper content?

- Yes

Do the keywords indicate the scope of the research?

- Yes

Is the research methodology or the approach of the problem solving clearly described?

- Yes

Do the data presentation and interpretation valid and reasonable?

- Yes

Do the use of tables and figures help to clarify the explanation?

- Yes

Have the discussion and/or analysis been relevant with the results of the study?

- Yes

Are the references used relevant?

- Yes

Contribution to science:

Good

Originality

Very Good

Systematic:

Very Good

Language:

Good

Writing Accuracy:

Good

Comments to Author:

1. Include more information in Conclusion
2. Include more references
3. References must be in order



AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

Request for Responds from Author to referee comments

jets@lppm.itb.ac.id <jets@lppm.itb.ac.id>

Fri, Mar 11, 2022 at 1:16 PM

To: aang.nuryaman@fmipa.unila.ac.id, ihsanabyan@gmail.com, bagus.hayatul@lapan.go.id, soleh.fajar@lapan.go.id, asmiati308@yahoo.com

Cc: itbjournal <itbjournal@gmail.com>

Dear Authors,

Please complete your revisions with responds from author to referee comments using the Table. Thank you.

Kind regards,

JETS

 **Authors's Table Response.docx**
19K



AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

Request for Responds from Author to referee comments

AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

Wed, Mar 16, 2022 at 5:59 AM

To: jets@lppm.itb.ac.id

Dear Editor of JETS

Here we convey the author's response to the results of our article review. We have also uploaded it into the JETS's OJS system.

Thank you very much.

Kind regards,

Authors

[Quoted text hidden]

 **Authors's Table Response.docx**
28K



AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

[jets] Editor Decision

journal@itb.ac.id <journal@itb.ac.id>

Tue, Jun 21, 2022 at 1:52 PM

Reply-To: Journal of Engineering and Technological Sciences <jets@lppm.itb.ac.id>

To: Aang Nuryaman <aang.nuryaman@fmipa.unila.ac.id>, "M. Ihsan Abyan" <ihsanabyan@gmail.com>, Bagus Hayatul Jihad <bagus.hayatul@lapan.go.id>, Soleh Fajar Junjunan <soleh.fajar@lapan.go.id>, Asmiati <asmiati308@yahoo.com>

Dear Aang Nuryaman, M. Ihsan Abyan, Bagus Hayatul Jihad, Soleh Fajar Junjunan, Asmiati,

We are pleased to inform you that the following paper has been officially accepted for publication in Journal of Engineering and Technological Sciences

Manuscript ID: 17255

Title: "Design Optimization of Propellant Grain and Nozzle Contour to Improve Performance of Solid Rocket Propulsion"

Authors: Aang Nuryaman, M. Ihsan Abyan, Bagus Hayatul Jihad, Soleh Fajar Junjunan, Asmiati

Received: June 21st, 2022

We will now make the final preparations for publication, then return the manuscript to you for your approval. It may take sometimes, due to the overwhelming task in our side. To complete the publication process, please sign the assignment of copyright transfer by all authors and send the signed copyright transfer form by **21 July 2022**.

If, however, extensive English edits are required to your manuscript, we will need to return the paper requesting improvements throughout.

In the meantime, please make the payment for publication fee for US \$150 can be completed through Paypal transaction or Bank Transfer. Please also provide Tax ID (NPWP) number and your address in your Tax ID.

For PayPal, you should login to your account on <https://journals.itb.ac.id>. Please find Tab Tasks at the top/header of the page on the left side. Click the tasks, then you will find a notification that The publication fee is due for payment. If you click the notification you will be directed to PayPal page. If you are not able to execute it please find your publication fee through PayPal manually. Our username is journal@lppm.itb.ac.id.

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Many thanks for submitting your fine paper to Journal of Engineering and Technological Sciences. We look forward to receiving additional papers from you in the future.

With kind regards,

Dr. Endra Gunawan, S.T., M.Sc.

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AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

[jets] Editor Decision

AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>
To: Aang Nuryaman <aangnuryaman@gmail.com>

Thu, Jul 7, 2022 at 8:11 AM

[Quoted text hidden]

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AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

17255 [jets] Editor Decision from Journal of Engineering and Technological Sciences

jets@lppm.itb.ac.id <jets@lppm.itb.ac.id>

Tue, Jun 21, 2022 at 1:53 PM

To: aang.nuryaman@fmipa.unila.ac.id, ihsanabyan@gmail.com, bagus.hayatul@lapan.go.id, soleh.fajar@lapan.go.id, asmiasi308@yahoo.com

Cc: jetsitb <jetsitb@gmail.com>

Dear Aang Nuryaman, M. Ihsan Abyan, Bagus Hayatul Jihad, Soleh Fajar Junjuran, Asmiati,
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Manuscript ID: 17255

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Authors: Aang Nuryaman, M. Ihsan Abyan, Bagus Hayatul Jihad, Soleh Fajar Junjuran, Asmiati

Received: June 21st, 2022

We will now make the final preparations for publication, then return the manuscript to you for your approval. It may take sometimes, due to the overwhelming task in our side. To complete the publication process, please sign the assignment of copyright transfer by all authors and send the signed copyright transfer form by **21 July 2022**.

If, however, extensive English edits are required to your manuscript, we will need to return the paper requesting improvements throughout.

In the meantime, please make the payment for publication fee for US \$150 can be completed through Paypal transaction or Bank Transfer. Please also provide Tax ID (NPWP) number and your address in your Tax ID.

For PayPal, you should login to your account on <https://journals.itb.ac.id>. Please find Tab Tasks at the top/header of the page on the left side. Click the tasks, then you will find a notification that The publication fee is due for payment. If you click the notification you will be directed to PayPal page. If you are not able to execute it please find your publication fee through PayPal manually. Our username is journal@lppm.itb.ac.id.

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Swift Code: BNINIDJAXXX

Bank Address: [Jl. Tamansari No. 80 Bandung, Indonesia](#)

If you have done the payment, please send us the proof of payment to email jets@lppm.itb.ac.id.

Many thanks for submitting your fine paper to Journal of Engineering and Technological Sciences. We look forward to receiving additional papers from you in the future.

With kind regards,

Dr. Endra Gunawan, S.T., M.Sc.

Journal of Engineering and Technological Sciences <https://journals.itb.ac.id/index.php/jets>



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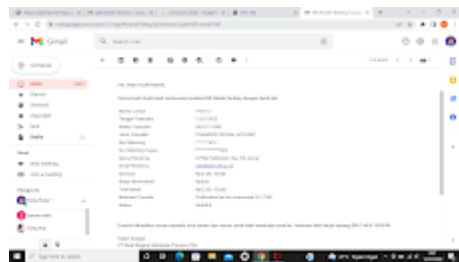
AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

Publication fee for Manuscript ID 17255

AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>
To: jets@lppm.itb.ac.id

Tue, Jul 12, 2022 at 8:54 AM

Dear Editor In chief of JETS
Here, we submit proof of the transfer of the manuscript publication fee with ID 17255. We thank you for your attention and follow-up.
Best regards
Aang Nuryaman



Publication fee of JETS.png
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AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

17255 [jets] Request paper revision after editing

jets@lppm.itb.ac.id <jets@lppm.itb.ac.id>

Tue, Jul 26, 2022 at 3:15 PM

To: aang.nuryaman@fmipa.unila.ac.id, ihsanabyan@gmail.com, bagus.hayatul@lapan.go.id, soleh.fajar@lapan.go.id, asmiati308@yahoo.com

Cc: jetsitb <jetsitb@gmail.com>

Dear Authors,

We are sorry for long process in publishing your paper. We have set your paper to our template and checked some parts. We should be grateful if you are able to complete our request about some parts of your paper. Please send your revision by 28 July 2022. Thank you for your support and cooperation.

Kind regards,
JETS



AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

17255 [jets] Request paper revision after editing

AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>
To: jets@lppm.itb.ac.id

Tue, Aug 2, 2022 at 2:40 PM

Dear Editor JETS

Here is our article that has been checked and edited

Thanks.

[Quoted text hidden]

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761K



AANG NURYAMAN <aang.nuryaman@fmipa.unila.ac.id>

17255 [jets] Proofreading Request (Author)

jets@lppm.itb.ac.id <jets@lppm.itb.ac.id>

Tue, Sep 6, 2022 at 9:27 AM

To: ihsanabyan@gmail.com, aang.nuryaman@fmipa.unila.ac.id, bagus.hayatul@lapan.go.id, soleh.fajar@lapan.go.id, asmiati308@yahoo.com

Cc: jetsitb <jetsitb@gmail.com>

Dear Aang Nuryaman, M. Ihsan Abyan, Bagus Hayatul Jihad, Soleh Fajar Junjuran, Asmiati,
Your submission "Design Optimization of Propellant Grain and Nozzle Contour to Improve Performance of Solid Rocket Propulsion," to
Journal of Engineering and Technological Sciences now needs to be proofread.
We should be grateful if you are able to complete the final proofreading by 8 September 2022. Thank you for your support and cooperation.

Kind regards,
Journal of Engineering and Technological Sciences
Institut Teknologi Bandung
jets@lppm.itb.ac.id

2 attachments

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