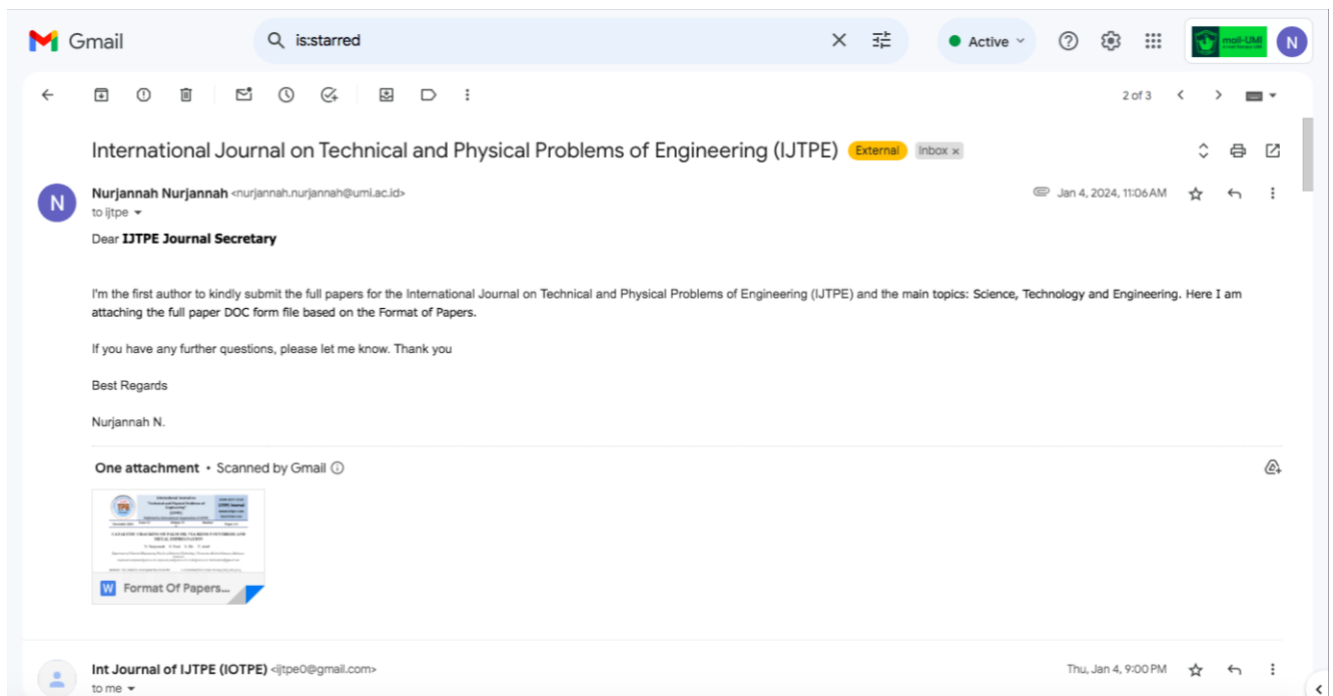


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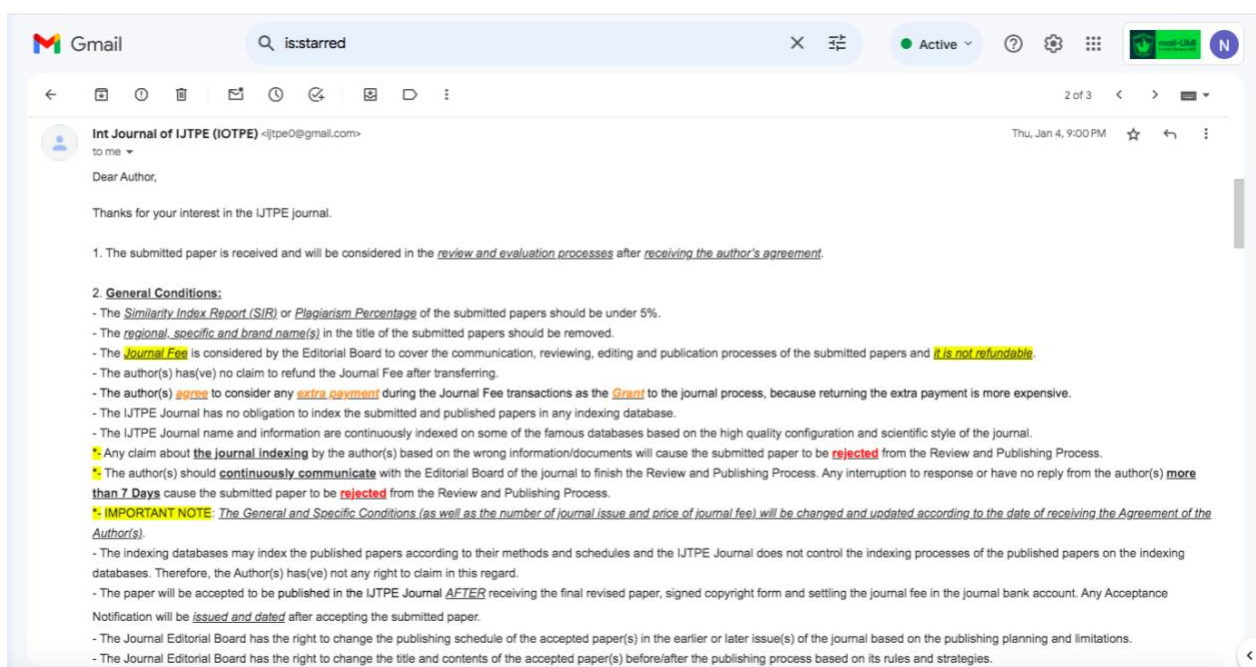
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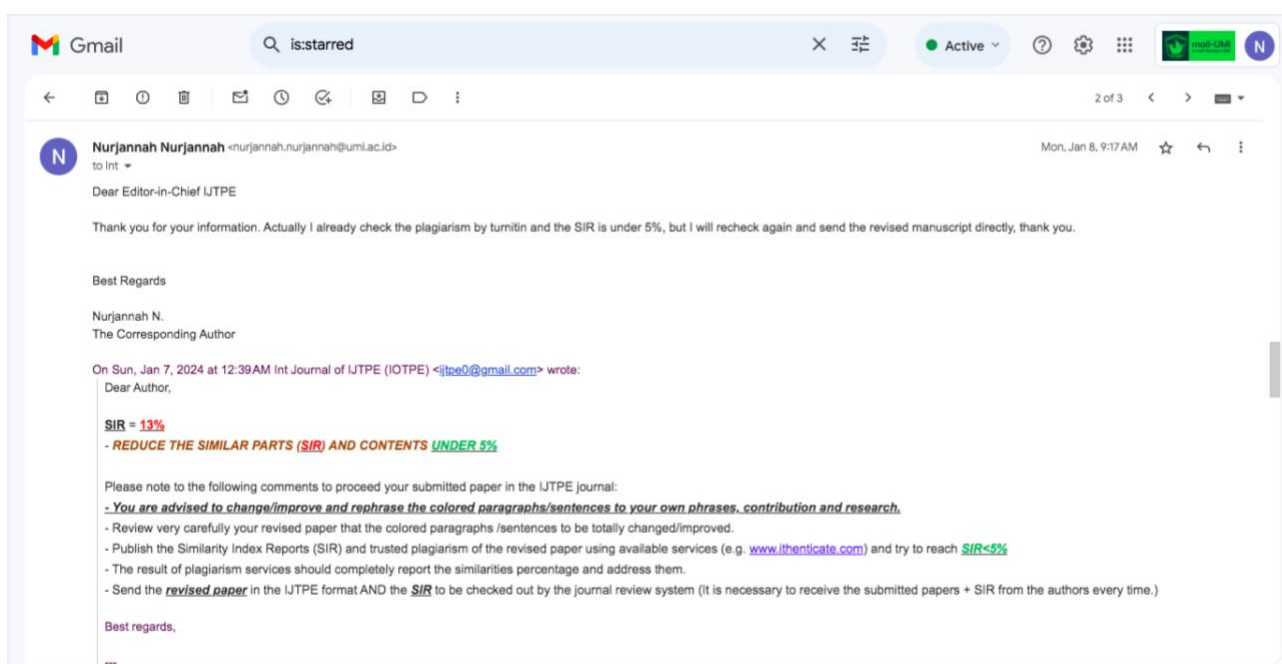
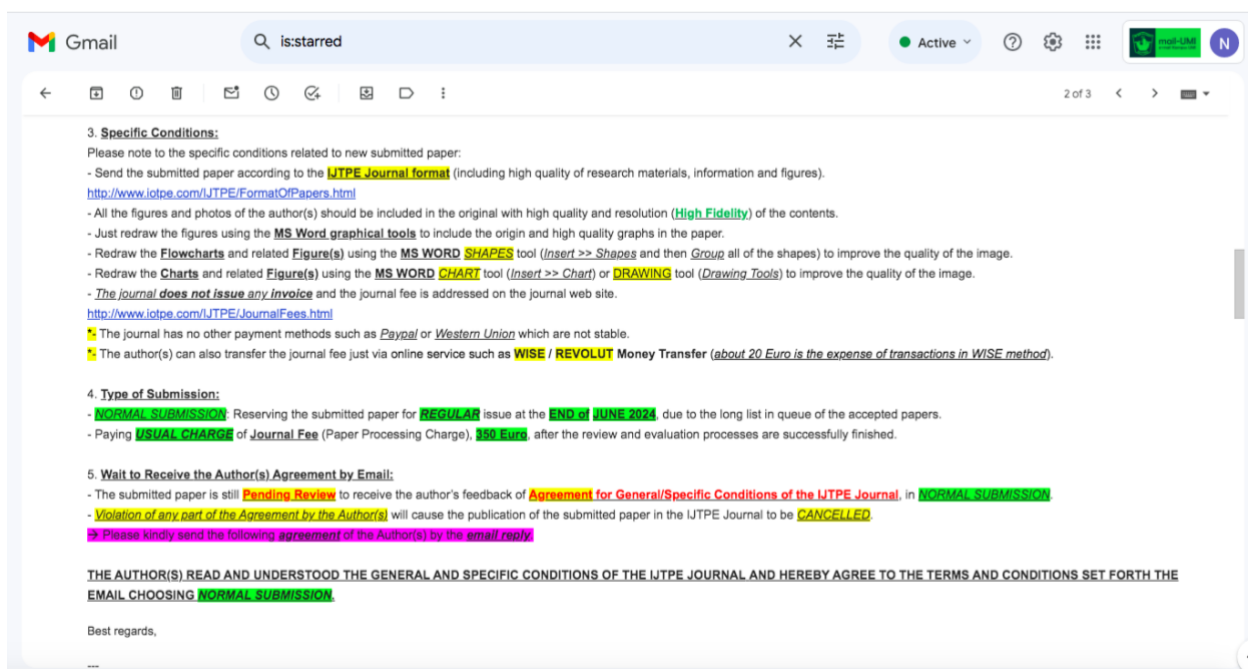
Journal : International Journal on Technical and Physical Problems of
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2	Bukti konfirmasi submit artikel dan artikel yang disubmit	8 Januari 2024
3	Bukti konfirmasi review dan hasil review pertama	9 Januari 2024
4	Bukti konfirmasi submit revisi pertama, respon kepada reviewer, dan artikel yang diresubmit	18 Januari 2024
5	Bukti konfirmasi review dan hasil review kedua	24 Januari 2024
6	Bukti konfirmasi submit revisi kedua, respon kepada reviewer, dan artikel yang diresubmit	30 Januari 2024
7	Bukti konfirmasi artikel accepted	1 Februari 2024
8	Bukti konfirmasi artikel published online	30 Juni 2024



Reviewers' comments:





First Revision

Gmail is:starred Active 2 of 3

Nurjannah Nurjannah <nurjannah.nurjannah@uml.ac.id> to Int Mon, Jan 8, 11:12 AM ☆ ↶ ⋮

Dear Editor-in-Chief IJTPE

Thank you for the information, I have already revised the manuscript paper and already checked the plagiarism SIR value, probably the SIR value already 5%. Here I attached both of **Manuscript paper** and **the results of the SIR value**. Thank you

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Int Journal of IJTPE (IJTPE) Jan 9, 2024, 6:03 AM ☆

Dear Author, Paper ID: 1807-240105 Please kindly revise your submitted paper considering the following Review Comments and resend it again for checking out. REV

Nurjannah Nurjannah Jan 10, 2024, 10:46 AM ☆

Dear Editor-in-Chief IJTPE Thanks for the comment and insight, I thoroughly examined the outcomes of the review comments and made revision to our manuscript. I

Int Journal of IJTPE (IJTPE) Jan 11, 2024, 5:26 AM ☆

Dear Author - The quality of Figure(s) 2, 7, 8 is not accepted and should be changed or redrawn by a high quality graphical tool(s). The quality of the figures

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Int Journal of IJTPE (IJTPE) <ijtpet0@gmail.com> to me Tue, Jan 9, 6:03 AM ☆ ↶ ⋮

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- Redraw the **Flowcharts** and related **Figure(s) 1** in the paper using the **MS WORD SHAPES** tool (*Insert >> Shapes* and then *Group* all of the shapes) to improve the quality of the image.
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 - Improve the unit (m²/kg) in the images of Figure 9.

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2 of 3

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Int Journal of IJTPE (IOTPE) <ijtpe0@gmail.com>

to me

Jan 18, 2024, 4:34 AM

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Dear Author,

Paper ID: 1807-240105

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Nurjannah Nurjannah

Best regards

Jan 18, 2024, 8:47 AM

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RC 6

Jan 18, 2024, 10:36 PM

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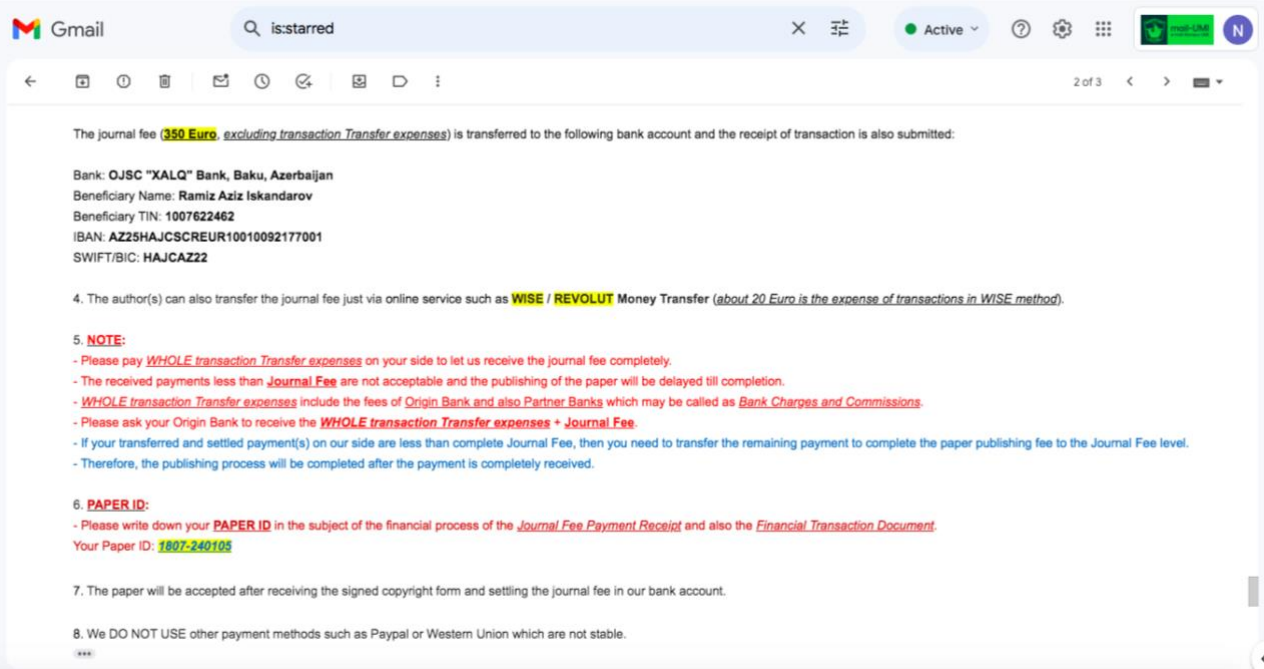
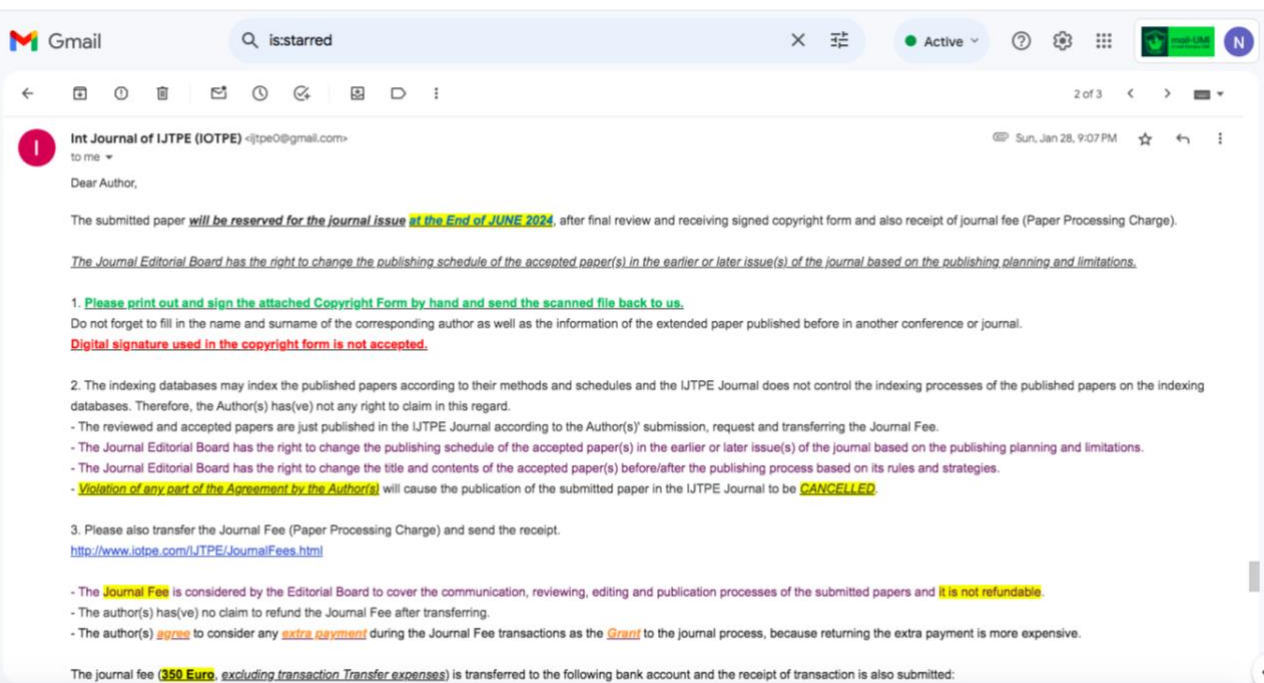
Nurjannah Nurjannah

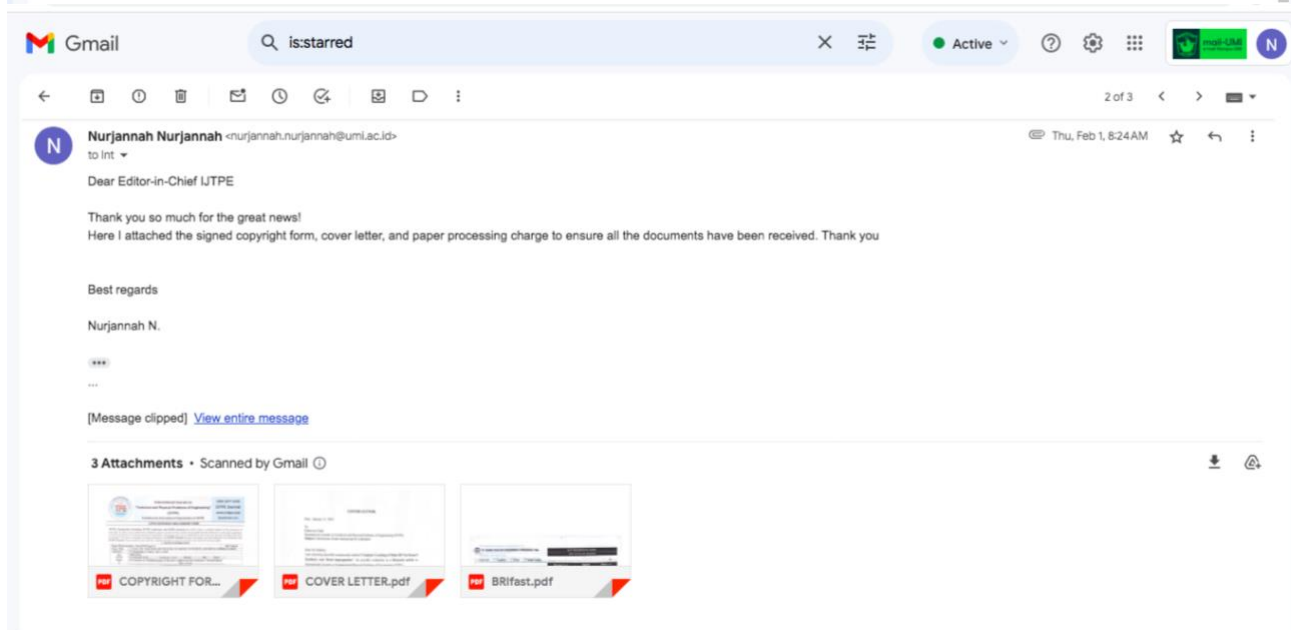
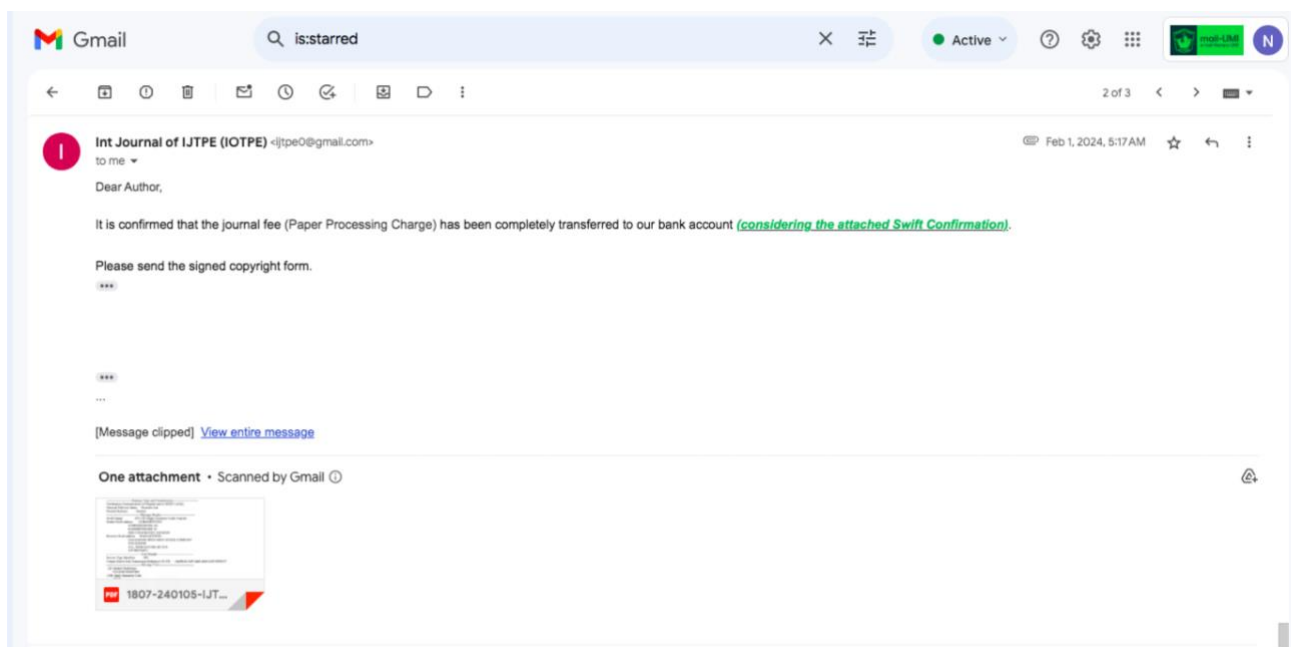
Thank you, I will do that. Best regards

Jan 23, 2024, 2:31 PM

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Second Revision





ACCEPTED



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to me

Feb 1, 2024, 10:14 PM



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The signed copyright form and related documents are received.

Therefore, the process of your submitted paper is completed and it will be published in the journal issue at the END of **JUNE 2024**

You will be informed for the publishing of the paper in the journal issue via email.

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Thank you so much for the great news!

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COVER LETTER

Date : January 31, 2024

To
Editor-in-Chief
International Journal on Technical and Physical Problems of Engineering (IJTPE)

Subject: submission of new manuscript for evaluation

Dear Sir/Madam,

I am enclosing herewith a manuscript entitled **“Catalytic Cracking of Palm Oil Via HZSM-5 Synthesis And Metal Impregnation”** for possible evaluation as a **Research article** in International Journal on Technical and Physical Problems of Engineering (IJTPE).

This study has investigated the successful synthesis of HZSM-5 zeolite. The synthesis was achieved by maintaining the temperature at 176°C for 48 hours and performing an initial agitation for 5 h. Gel analysis verified the Si/Al ratio, the surface areas of HZSM-5 and M-HZSM-5, and the development of HZSM-5 and M- HZSM-5 crystal phases during synthesis process. Incipient wetness impregnation was used to make the M-HZSM-5 zeolites. Using atomic absorption spectrophotometry (AAS), the Si/Al ratio was determined to be in the range of 198 and 243. Brunauer-Emmett-Teller (BET) study revealed that the surface areas of HZSM-5 213.3524 m² /kg, Ni-HZSM-5 194.2372 m² /kg, Cu-HZSM-5 201.1762 m² /kg, and Zn-HZSM-5 192.9966 m² /g, respectively. The catalytic cracking of HZSM-5 was conducted in a fixed-bed microreactor. Subsequently, the products conducted investigation to analysis using GC-Flame Ionization Detector (GC-FID). The analysis results revealed that the primary fraction obtained was gasoline, by kerosene and diesel in descending order of quantity. The catalytic cracking process of palm oil in zeolite HZSM-5 instructs the formation of hydrocarbons C₅ –C₁₈.

Faithfully yours,
Corresponding Author,

Dr. Ir. Nurjannah, ST., MT., IPM ASEAN Eng.

Researcher and Lecturer | Department of Chemical Engineering | Faculty of Industrial Technology
Jl. Urip Sumoharjo Km.5. Kampus II Universitas Muslim Indonesia Makassar, South Sulawesi, Indonesia, 90231
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Paper Title:	CATALYTIC CRACKING OF PALM OIL VIA HZSM-5 SYNTHESIS AND METAL IMPREGNATION
Author(s):	N. Nurjannah, S. Yan, I. Ra, T. Arief
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