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**[AIJ] Submission Acknowledgement**

1 pesan

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**Dr. Julwan Hendry Purba** <atomindonesia@batan.go.id>  
Kepada: Dhenia Ria Barleany <ria.barleany@untirta.ac.id>

9 Agustus 2021 pukul 20.22

Dear Dhenia Ria Barleany:

Thank you for submitting the manuscript, "Effect of Starch and Chitosan Addition on Swelling Properties of Neutralized Poly (Acrylic Acid)-Based Superabsorbent Hydrogels Prepared by Using  $\gamma$ -Irradiation Technique" to Atom Indonesia. With the online journal management system that we are using, you will be able to track its progress through the editorial process by logging in to the journal web site:

Manuscript URL: <http://aij.batan.go.id/index.php/aij/author/submission/1171>  
Username: dbarleany

If you have any questions, please contact me. Thank you for considering this journal as a venue for your work.

Dr. Julwan Hendry Purba  
Atom Indonesia

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Atom Indonesia  
<http://aij.batan.go.id>

**[AIJ]**

2 pesan

**Prof. Dr. Mukh Syaifudin** <mukh\_syaifudin@batan.go.id>

22 Agustus 2021 pukul 16.12

Kepada: Dena Ria Barleany &lt;ria.barleany@untirta.ac.id&gt;

Cc: Heri Heriyanto &lt;heri.heriyanto@untirta.ac.id&gt;, Hafid Alwan &lt;hafidalwan@untirta.ac.id&gt;, Vivi Kurniawati &lt;vivikurniawati93@gmail.com&gt;, Alifatul Muyassaroh &lt;alief.muyassaroh@gmail.com&gt;, Erizal Erizal &lt;izza3053@yahoo.com&gt;

Dear author(s),

Before continued to be evaluated by the reviewers please revise the manuscript as following:

1. The half of abstract is method, there is no introduction and conclusion, the results are also very limited.
2. It will be better if Figure 6 and 7 are presented in the number (not in figure with only 1 line which is too simple picture).
3. Only 8 out of 28 references are new (within 5-6 years), please read the Guidelines for Authors.

Thank you,  
M Syaifudin

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Atom Indonesia  
<http://aij.batan.go.id>**ria barleany** <ria.barleany@untirta.ac.id>

23 Agustus 2021 pukul 08.46

Kepada: "Prof. Dr. Mukh Syaifudin" &lt;mukh\_syaifudin@batan.go.id&gt;

Dear Prof. Dr. Mukh Syaifudin  
Editor in chief of AIJ

Thanks for the valuable information. We will immediately fix the manuscript according to the suggestions you give.

Best regards,  
Dena Ria Barleany  
UNTIRTA  
Indonesia[Kutipan teks disembunyikan]



## [AIJ]

4 pesan

Prof. Dr. Mukh Syaifudin &lt;mukh\_syaifudin@batan.go.id&gt;

30 September 2021 pukul 11.30

Kepada: Dena Ria Barleany &lt;ria.barleany@untirta.ac.id&gt;

Cc: Heri Heriyanto &lt;heri.heriyanto@untirta.ac.id&gt;, Hafid Alwan &lt;hafidalwan@untirta.ac.id&gt;, Vivi Kurniawati &lt;vivikurniawat93@gmail.com&gt;, Alifef Muyassaroh &lt;alief.muyassaroh@gmail.com&gt;, Erizal Erizal &lt;izza3053@yahoo.com&gt;

Dear author(s),

The following are Reviewer#1 comments :

1. Is the paper sufficiently original?: Yes, but several similar articles have been published by many researchers.
2. Does the paper achieve its declared purpose? Yes, but it needs to be compared with the published articles.
3. Do the figures and tables aid the clarity of the paper? Not yet. Please see my comments in the "Comments to the Author" (below)
4. Do the conclusions sensibly follow from the work that is reported? yes, but the Author(s) only stated the good condition, without compared to the other results from other published articles.
5. Is results placed in a suitable context with adequate reference to international literatures? Is state of the art adequate? Yes, but the results should be compared with the reference cited them.
6. Comments to authors :  
The IR spectrum is not clear:  
1) The spectrum is not sharp, especially the carbonyl band (C=O) which should be very sharp/strong among the bands from other functional groups;  
2) the NH groups bands (at about 3500) are twin (primary amine) and single (secondary amine) are leaner and weaker than OH band, so they will be overlapped with/covered by OH (remember that your structure has poly-hydroxyl);  
3) The statement that "The band observed at 2928.07 cm-1 is caused by stretching of -OH groups of the starch" needs to be clarified, since OH stretching will appeared at 3200 - 3600 cm-1. Bands around at 2900 to less than 3000 cm-1 are C-H stretching from aliphatic groups;  
4) How to differ the band of starting material (if excess in the synthesized product) and synthesized product itself?;  
5) IR spectrum data measurement needs to be repeated.  
6) Overall, reaction/synthesis routes should be drawn in order the readers could know the reaction mechanism. Moreover, the IR Spectra could also be differed clearly and compared between starting materials and synthesized product;  
7) Please also read: how to express the Figure  
8) Figure 1: Please give a mark/arrow: which are C=O, OH, C=C, NH, C-H (if any) and other functional groups that you are stated.  
9) Figure 3: The lines are too thick; the legend in the Y and X-axis is not necessary to be bold.

MAJOR REVISION IS REQUIRED

Regards,  
Prof. Dr. Mukh SyaifudinAtom Indonesia  
<http://aij.batan.go.id>ria barleany <ria.barleany@untirta.ac.id>  
Kepada: meri\_yulvianti@untirta.ac.id

1 Oktober 2021 pukul 16.47

Ini bu comments-nya  
[Kutipan teks disembunyikan]ria barleany <ria.barleany@untirta.ac.id>  
Kepada: iqbalsyaichurrozi@gmail.com

8 November 2021 pukul 08.01

Salam,  
Pak Iqbal, berikut saya forward revisi dari reviewer yang saya bingung harus bagaimana. mohon sarannya. terima kasih sebelumnyawassalam,  
Dena Ria Barleany  
[Kutipan teks disembunyikan]

 Template\_JAI\_Rev\_2020\_Dena Ria Barleany versi 2.docx  
317K
ria barleany <ria.barleany@untirta.ac.id>  
Kepada: "Prof. Dr. Mukh Syaifudin" <mukh\_syaifudin@batan.go.id>

14 Januari 2022 pukul 10.29

Dear Prof. Dr. Mukh Syaifudin

Herewith I would like to inform you that I have sent documents related to the revision of the manuscript through the online system of "AIJ". Thank you for your cooperation, and please inform me if there are any problems with the documents I have sent.

Best regards,  
Dena Ria Barleany  
UNTIRTA

[Kutipan teks disembunyikan]



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**second review**

1 pesan


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mukh\_syaifudin@batan.go.id <mukh\_syaifudin@batan.go.id>  
Kepada: Dhenia Ria Barleany <ria.barleany@untirta.ac.id>

9 Februari 2022 pukul 15.20

Dear Author (s)  
Here the attached is second review from 1 reviewer and the manuscript is requested to be revised as soon as possible.  
Regards,  
M. Syaifudin

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 1171-9655-5-RV\_Reviewed.pdf  
433K



ria barleany <ria.barleany@untirta.ac.id>

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**[AIJ] Effect of Starch and Chitosan Addition on Swelling Properties of Neutralized Poly (Acrylic Acid)-Based Superabsorbent Hydrogels Prepared by Using  $\gamma$ -Irradiation Technique**

1 pesan

Prof. Dr. Mukh Syaifudin <mukh\_syaifudin@batan.go.id>

9 Februari 2022 pukul 15.24


Kepada: Dhena Ria Barleany <ria.barleany@untirta.ac.id>, Heri Heriyanto <heri.heriyanto@untirta.ac.id>, Hafid Alwan <hafidalwan@untirta.ac.id>, Vivi Kurniawati <vivikurniawati93@gmail.com>, Alifatul Muyassaroh <alief.muyassaroh@gmail.com>, Erizal Erizal <izza3053@yahoo.com>

Dear author(s)  
Please revise again according to the file attached.  
Regards,  
M. Syaifudin

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Atom Indonesia  
<http://aij.batan.go.id>

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 1171-9655-5-RV\_Reviewed.pdf  
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**[AIJ] Editor Decision**

2 pesan

**Prof. Dr. Mukh Syaifudin** <mukh\_syaifudin@batan.go.id>

7 Maret 2022 pukul 10.21

Kepada: Dhena Ria Barleany &lt;ria.barleany@untirta.ac.id&gt;

Cc: Heri Heriyanto &lt;heri.heriyanto@untirta.ac.id&gt;, Hafid Alwan &lt;hafidalwan@untirta.ac.id&gt;, Vivi Kurniawati &lt;vivikurniawati93@gmail.com&gt;, Alifatul Muyassaroh &lt;alief.muyassaroh@gmail.com&gt;, Erizal Erizal &lt;izza3053@yahoo.com&gt;

Dhena Ria Barleany:

We have reached a decision regarding your submission to Atom Indonesia, "Effect of Starch and Chitosan Addition on Swelling Properties of Neutralized Poly (Acrylic Acid)-Based Superabsorbent Hydrogels Prepared by Using  $\gamma$ -Irradiation Technique".

Our decision is to: ACCEPTED SUBMISSION

Prof. Dr. Mukh Syaifudin  
National Nuclear Energy Agency  
[mukh\\_syaifudin@batan.go.id](mailto:mukh_syaifudin@batan.go.id)

Atom Indonesia  
<http://aij.batan.go.id>

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**ria barleany** <ria.barleany@untirta.ac.id>

9 Maret 2022 pukul 10.56

Kepada: "Prof. Dr. Mukh Syaifudin" &lt;mukh\_syaifudin@batan.go.id&gt;

Dear Prof. Dr. Mukh Syaifudin,

Thank you very much for the information. We're really pleased to hear that.

Regards,  
Dhena Ria Barleany  
[Kulipan teks disembunyikan]

**[AIJ] Copyediting Completed**

1 pesan

Jos Budi Sulisty, Ph.D &lt;soj@batan.go.id&gt;

23 Maret 2022 pukul 21.40

Kepada: Dhen Ria Barleany &lt;ria.barleany@untirta.ac.id&gt;

Cc: "Dr. Julwan Hendry Purba" &lt;atomindonesia\_se@batan.go.id&gt;

Dhen Ria Barleany:

We have now copyedited your submission "Effect of Starch and Chitosan Addition on Swelling Properties of Neutralized Poly (Acrylic Acid)-Based Superabsorbent Hydrogels Prepared by Using  $\gamma$ -Irradiation Technique" for Atom Indonesia. To review the proposed changes and respond to Author Queries, please follow these steps:

1. Log into the journal using URL below with your username and password (use Forgot link if needed).
2. Click on the file at 1. Initial Copyedit File to download and open copyedited version.
3. Review the copyediting, making changes using Track Changes in Word, and answer queries.
4. Save file to desktop and upload it in 2. Author Copyedit.
5. Click the email icon under COMPLETE and send email to the editor.

Please take also a particular look at the parts that are highlighted in yellow. Those indicate the changes that you are especially requested to make.

This is the last opportunity that you have to make substantial changes. You will be asked at a later stage to proofread the galleys, but at that point only minor typographical and layout errors can be corrected.

Manuscript URL:

<http://ajj.batan.go.id/index.php/ajj/author/submissionEditing/1171>

Username: dbarleany

If you are unable to undertake this work at this time or have any questions, please contact me. Thank you for your contribution to this journal.

Jos Budi Sulisty, Ph.D

Atom Indonesia

<http://ajj.batan.go.id>



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**[AIJ] Copyediting Review Acknowledgement**

2 pesan

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**Dr. Julwan Hendry Purba** <atomindonesia\_se@batan.go.id>  
Kepada: Dhenia Ria Barleany <ria.barleany@untirta.ac.id>

5 April 2022 pukul 10.24

Dhenia Ria Barleany:

Thank you for reviewing the copyediting of your manuscript, "Effect of Starch and Chitosan Addition on Swelling Properties of Neutralized Poly (Acrylic Acid)-Based Superabsorbent Hydrogels Prepared by Using  $\gamma$ -Irradiation Technique," for Atom Indonesia. We look forward to publishing this work.

Dr. Julwan Hendry Purba  
[atomindonesia\\_se@batan.go.id](mailto:atomindonesia_se@batan.go.id)

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Atom Indonesia  
<http://aij.batan.go.id>

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**ria barleany** <ria.barleany@untirta.ac.id>  
Kepada: "Dr. Julwan Hendry Purba" <atomindonesia\_se@batan.go.id>

8 April 2022 pukul 15.20

Dear Dr. Julwan Hendry Purba

Thank you very much.

Regards,  
Dhenia Ria Barleany  
[Kulipan teks disembunyikan]





**[AIJ] Proofreading Request (Author)**

1 pesan

21 Juli 2022 pukul 11.36

Dr. Julwan Hendry Purba <atomindonesia\_se@batan.go.id>  
Kepada: Dhen Ria Barleany <ria.barleany@untirta.ac.id>  
Cc: "Dr. Julwan Hendry Purba" <atomindonesia\_se@batan.go.id>

Title : Effect of Starch and Chitosan Addition on Swelling Properties of Neutralized Poly (Acrylic Acid)-Based Superabsorbent Hydrogels Prepared by Using  $\gamma$ -Irradiation Technique

Dear Dhen Ria Barleany:

We would like to inform you that the manuscript above will be published soon in the Atom Indonesia, Volume 48 No. 2 2022. Herewith we send a print-ready manuscript in the form of Uncorrected Proof, Ethical Statement Form, Proof Correction form, Copyright Agreement and Letter of Approval for publication. Please immediately return the corrected script and other related forms within one week via email: [atomindonesia\\_se@batan.go.id](mailto:atomindonesia_se@batan.go.id), or supplementary menus in OJS application.

If you don't return script within one week, we assume that you agree with the existing paper.

Please following these steps.

1. Click on the Submission URL below.
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3. Click on VIEW PROOF in Layout and proof the galley in the one or more formats used.
4. Enter corrections (typographical and format) in Proofreading Corrections.
5. Save and email corrections to Layout Editor and Proofreader.
6. Send the COMPLETE email to the editor.

Submission URL:  
<https://ajj.batan.go.id/index.php/ajj/author/submissionEditing/1171>  
Username: dbarleany

Thank you for your kind attention and cooperation.

Dr. Julwan Hendry Purba  
[atomindonesia\\_se@batan.go.id](mailto:atomindonesia_se@batan.go.id)

Atom Indonesia  
<http://ajj.batan.go.id>

**5 lampiran**

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26K



ria barleany <ria.barleany@untirta.ac.id>

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**Corrected script**

1 pesan

ria barleany <ria.barleany@untirta.ac.id>

28 Juli 2022 pukul 13.52

Kepada: "Dr. Julwan Hendry Purba" <atomindonesia\_se@batan.go.id>

Dear Atom Indonesia Journal Editor,:

Attached files are:


1. copyright form, ethical statement, and approval to be published (pdf merged file)
2. Proof correction form


Thank you

Regards  
Dhena Ria Barleany

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**2 lampiran**

 **copyright,ethical, approval.pdf**  
839K

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100K