

TAHUN 2021: PENILAI JURNAL INTERNASIONAL BEREPUTASI

Penilai	Dr. Flora Elvistia Firdaus, M.Si
Nama Jurnal	Cellulose (Q1)
Penerbit	Springer Netherland
Judul Artikel Yang dinilai	Characterization of novel natural fiber from manau rattan (Calamus manan) as a potential reinforcement for polymer-based composites

Manuscript CELS-D-21-00645 for review

Dari: Cellulose (CELS) (em@editorialmanager.com)

Kepada: flora_elvistia@yahoo.com

Tanggal: Sabtu, 8 Mei 2021 23.15 GMT+7

Dear Dr. Firdaus,

In view of your expertise I would be very grateful if you could review the following manuscript which has been submitted to Cellulose.

Manuscript Number: CELS-D-21-00645

Title: Characterization of novel natural fiber from manau rattan (Calamus manan) as a potential reinforcement for polymer-based composites

Abstract: The study on novel natural fibers in polymer-based composites will help promote the invention of novel reinforcement and expand their possible applications. Herein, novel cellulosic fibers were extracted from the stem of manau rattan (Calamus manan) by mechanical separation. It is the first time to comprehensively analyze and study the chemical, thermal, mechanical and morphological properties of manau rattan fibers by Fourier Transform Infrared Spectroscopy (FTIR), X-Ray Photoelectron Spectroscopy (XPS), X-Ray Diffraction Analysis (XRD), Thermogravimetric Analysis (TGA), single fiber tensile test and Scanning Electron Microscopy (SEM). Component analysis results showed the cellulose, hemicellulose and lignin contents of manau rattan fibers were 42, 20, and 27 %, respectively. The surface of the rattan fiber was hydrophilic according to the oxygen/carbon ratio of 0.49. Manau rattan has a high crystalline index of 48.28%, inducing a high maximum degradation temperature of 332.8 °C. This reveals that it can be used as a reinforcement for thermoplastic composites whose operating temperature is below 300 ° C. The average tensile strength can reach 273.28 MPa, which is beneficial to improve the mechanical properties of rattan fiber reinforced composites. SEM images displayed the rough surface of the fiber, which helps to enhance the interfacial adhesion between the fibers and matrices in composites. This work was also in comparison with some other natural fibers. The above analysis and research showed the great potential of manau rattan fibers as the reinforcement in polymer-based composites.

In case you accept to review this submission please click on this link:

<https://www.editorialmanager.com/cels/i.asp?i=349702&i=3K86BQZT>

If you do not have time to do this, or do not feel qualified, please click on this link:

<https://www.editorialmanager.com/cels/i.asp?i=349703&i=KMRFOSSZ>

We hope you are willing to review the manuscript. If so, would you be so kind as to return your review to us within 14 days of agreeing to review? Thank you.

You are requested to submit your review online by using the Editorial Manager system.

Your username is: FloraFirdaus

If you forgot your password, you can click the 'Send Login Details' link on the EM Login page at <https://www.editorialmanager.com/cels/>

IN ORDER TO KEEP DELAYS TO A MINIMUM, PLEASE ACCEPT OR DECLINE THIS ASSIGNMENT ONLINE AS SOON AS POSSIBLE!

If you have any questions, please do not hesitate to contact us. We appreciate your assistance.

Thank you very much.

With kind regards,
Denise Freitas Siqueira Petri, Ph.D.
Associate Editor
Cellulose

Our flexible approach during the COVID-19 pandemic

If you need more time at any stage of the peer-review process, please do let us know. While our systems will continue to remind you of the original timelines, we aim to be as flexible as possible during the current pandemic.

This letter contains confidential information, is for your own use, and should not be forwarded to third parties.

Recipients of this email are registered users within the Editorial Manager database for this journal. We will keep your information on file to use in the process of submitting, evaluating and publishing a manuscript. For more information on how we use your personal details please see our privacy policy at <https://www.springernature.com/production-privacy-policy>. If you no longer wish to receive messages from this journal or you have questions regarding database management, please contact the Publication Office at the link below.

In compliance with data protection regulations, you may request that we remove your personal registration details at any time. (Use the following URL: <https://www.editorialmanager.com/cels/login.asp?a=r>). Please contact the publication office if you have any questions.

Temukan pesan, dokumen, foto, atau orang



Awal

Tulis

← Kembali ↶ ↷ → Arsipkan Pindahkan Hapus Spam ...

⌵ ⌶ × [Icons]

Email Masuk 999+

Belum Dibaca

Berbintang

Draft 141

Terkirim

Arsip

Spam

Sampah

^ Lebih sedikit

Tampilan Sembunyikan

Foto

Dokumen

Langganan

Promo

Folder Sembunyikan

+ Folder Baru

facebook

Penting

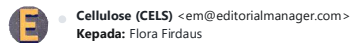


editorialmanager
editorialmanager.com

Kunjungi situs

• Manuscript CELS-D-21-00645 for review

Yahoo/Email M...



Cellulose (CELS) <em@editorialmanager.com>
Kepada: Flora Firdaus

Sab, 8 Mei jam 23.15

Dear Dr. Firdaus,

In view of your expertise I would be very grateful if you could review the following manuscript which has been submitted to Cellulose.

Manuscript Number: CELS-D-21-00645

Title: Characterization of novel natural fiber from manau rattan (Calamus manan) as a potential reinforcement for polymer-based composites

Abstract: The study on novel natural fibers in polymer-based composites will help promote the invention of novel reinforcement and expand their possible applications. Herein, novel cellulosic fibers were extracted from the stem of manau rattan (Calamus manan) by mechanical separation. It is the first time to comprehensively analyze and study the chemical, thermal, mechanical and morphological properties of manau rattan fibers by Fourier Transform Infrared Spectroscopy (FTIR), X-Ray Photoelectron Spectroscopy (XPS), X-Ray Diffraction Analysis (XRD), Thermogravimetric Analysis (TGA), single fiber tensile test and Scanning Electron Microscopy (SEM). Component analysis results showed the cellulose, hemicellulose and lignin contents of manau rattan fibers were 42, 20, and 27 %, respectively. The surface of the rattan fiber was hydrophilic according to the oxygen/carbon ratio of 0.49. Manau rattan has a high crystalline index of 48.28%, inducing a high maximum degradation temperature of 332.8 °C. This reveals that it can be used as a reinforcement for thermoplastic composites whose operating temperature is below 300 ° C. The average tensile strength can reach 273.28 MPa, which is beneficial to improve the mechanical properties of rattan fiber reinforced composites. SEM images displayed the rough surface of the fiber, which helps to enhance the interfacial adhesion between the fibers and matrices in composites. This work was also in comparison with some other natural fibers. The above analysis and research showed the great potential of manau rattan fibers as the reinforcement in polymer-based composites.

In case you accept to review this submission please click on this link:

<https://www.editorialmanager.com/cels/f.asp?i=349702&l=3K86BQZT>

If you do not have time to do this, or do not feel qualified, please click on this link:

<https://www.editorialmanager.com/cels/f.asp?i=349703&l=KMRF0S5Z>

We hope you are willing to review the manuscript. If so, would you be so kind as to return your review to us within 14 days of agreeing to review? Thank you.

You are requested to submit your review online by using the Editorial Manager system.

Your username is: FloraFirdaus

The research in this article much inspired by utilization edibles on replacing synthetics. There are some notes should be considered:

1. Cellulose of manau rattan is the major subsituent that was expected to reinforce the composite. Are there efforts or methods to minimize the disintegration act of hemicellulose oris it possible to leave them that way to attain a certain mechanical properties
2. How does the synergetic of cellulose, hemicellulose, lignin on reinforcing the composite
3. How far the lignin content on achieving and effected the composite property see table 1
4. Please describe the defintion of high and low, what is the range of high and what is the range of low, please find the references that support the high and low above. Like it was mentioned in paragraph 166-167 higher cellulose, paragraph 170 higher content of hemicellulose, and paragraph 172 higher content of lignin.
5. Please describe how does the ratio C/O of manau were highly potential from other natural fiber
6. I think the reference a) Alauvedeen A Rajini et al (2015) and Dris R. Gaspary (2018) should be consiedered, because it was not closed to the topic of your research

Temukan pesan, dokumen, foto, atau orang

Flora

Awal

Tulis

Kembali

Arsipkan Pindahkan Hapus Spam

29 10

- Email Masuk 999+
- Belum Dibaca
- Berbintang
- Draft 148
- Terkirim
- Arsip
- Spam
- Sampah
- Lebih sedikit
- Tampilan Sembunyikan
- Foto
- Dokumen
- Langganan
- Promo
- Folder Sembunyikan
- Folder Baru
- facebook
- Penting



CELS - Thank you - let us know how we can improve the reviewing process - [EMID:2826077a17c89b7c]

Kunjungi situs

Yahoo/Email M...

Cellulose (CELS) <em@editorialmanager.com>
Kepada: Flora Elvistia Firdaus

Min, 23 Mei jam 04:31

Dear Dr. Firdaus,
Thank you very much for your review of manuscript CELS-D-21-00645, "Characterization of novel natural fiber from manau rattan (Calamus manan) as a potential reinforcement for polymer-based composites". We greatly appreciate your assistance.

With kind regards,
Springer Journals Editorial Office
Cellulose

We really value your feedback! Please spend 1 minute to tell us about your experience of reviewing - click https://springernature.eu/qualtrics.com/jfe/form/SV_cNPY5OM4ZC3PkON?J=10570

Our flexible approach during the COVID-19 pandemic

If you need more time at any stage of the peer-review process, please do let us know. While our systems will continue to remind you of the original timelines, we aim to be as flexible as possible during the current pandemic.

This letter contains confidential information, is for your own use, and should not be forwarded to third parties.

Recipients of this email are registered users within the Editorial Manager database for this journal. We will keep your information on file to use in the process of submitting, evaluating and publishing a manuscript. For more information on how we use your personal details please see our privacy policy at <https://www.springernature.com/production-privacy-policy>. If you no longer wish to receive messages from this journal or you have questions regarding database management, please contact the Publication Office at the link below.

In compliance with data protection regulations, you may request that we remove your personal registration details at any time. (Use the following URL: <https://www.editorialmanager.com/cels/login.asp?a=r>). Please contact the publication office if you have any questions.



Flora Elvistia Sent from Yahoo Mail for iPhone Begin forwarded message: On Sunday, May 23, 2021, 4:31 AM, Cellulose (CELS) <em@editorialmanager.com> wrote: Min, 23 Mei jam 04:31

o|x
#PusatnyaMobil

Honda Hr 2017
Rp 205,0 JT
CEK SEKARANG

Honda
Rp 1
CEK SE

Ford Est
Rp 1
CEK SE

CELS - Thank you - let us know how we can improve the reviewing process - [EMID:2826077a17c89b7c]

Dari: Cellulose (CELS) (em@editorialmanager.com)

Kepada: flora_elvistia@yahoo.com

Tanggal: Minggu, 23 Mei 2021 04:31 GMT+7

Dear Dr. Firdaus,

Thank you very much for your review of manuscript
CELS-D-21-00645, "Characterization of novel natural fiber from manau rattan (Calamus manan) as a potential reinforcement for polymer-based composites".
We greatly appreciate your assistance.

With kind regards,
Springer Journals Editorial Office
Cellulose

We really value your feedback! Please spend 1 minute to tell us about your experience of reviewing - click https://springernature.eu.qualtrics.com/jfe/form/SV_cNPY5OM4ZC3PkON?j=10570

Our flexible approach during the COVID-19 pandemic

If you need more time at any stage of the peer-review process, please do let us know. While our systems will continue to remind you of the original timelines, we aim to be as flexible as possible during the current pandemic.

This letter contains confidential information, is for your own use, and should not be forwarded to third parties.

Recipients of this email are registered users within the Editorial Manager database for this journal. We will keep your information on file to use in the process of submitting, evaluating and publishing a manuscript. For more information on how we use your personal details please see our [privacy policy at https://www.springernature.com/production-privacy-policy](https://www.springernature.com/production-privacy-policy). If you no longer wish to receive messages from this journal or you have questions regarding database management, please contact the Publication Office at the link below.

In compliance with data protection regulations, you may request that we remove your personal registration details at any time. (Use the following URL: <https://www.editorialmanager.com/cels/login.asp?a=r>). Please contact the publication office if you have any questions.

**TAHUN 2021: PENILAI JURNAL
INTERNASIONAL BEREPUTASI**

Penilai	Dr. Flora Elvistia Firdaus, M.Si
Nama Jurnal	RSC Advances (Q1)
Penerbit	Royal Society of Chemistry (Inggris)
Judul Artikel	Mechanically and electrically durable, stretchable electronic textile for robust wearable electronics

Temukan pesan, dokumen, foto, atau orang

Flora

Awal

Tulis

Kembali

Arsipkan

Pindahkan

Hapus

Spam

...

X

ES

29

F

?

⚙

Email Masuk 999+

Belum Dibaca

Berbintang

Draft 148

Terkirim

Arsip

Spam

Sampah

^ Lebih sedikit

Tampilan Sembunyikan

Foto

Dokumen

Langganan

Promo

Folder Sembunyikan

+ Folder Baru

facebook

Penting

Invitation to review for RSC Advances - RA-ART-04-2021-003392

Yahoo/Email M...



RSC Advances <onbehalf@manuscriptcentral.com>
Kepada: flora_elvistia@yahoo.com



Rab, 26 Mei jam 11.39



26-May-2021

Dear Dr Firdaus:

TITLE: Mechanically and electrically durable, stretchable electronic textile for robust wearable electronics
AUTHORS: Kim, Sun Hong; Kim, Yewon; Choi, Heewon; Park, Juhyung ; Song, Jeong Han ; Baac, Hyoung Won; Shin, Mikyung; Kwak, Jeonghun; Son, Donghee
(See below for abstract)

I invite you to review this manuscript, which has been submitted for publication in RSC Advances, published by the Royal Society of Chemistry.

Please consider RSC Advances' scope criteria when making your recommendation:

- Work should contain chemistry, or be of relevance to chemists
- Work should provide an insight that advances the chemistry field

At RSC Advances we aim to provide a rapid service for our authors. Therefore, please respond to this invitation by clicking on the appropriate link below within 3 days of receiving this email, and provide your report within 10 days of agreeing (14 days for reviews). If you need longer to provide your report please let me know. If you are unable to review at this time, I would be grateful if you could recommend another expert reviewer.

*** PLEASE NOTE: This is a two-step process. After clicking on the link, you will be directed to a webpage to confirm. ***

Agreed: https://mc.manuscriptcentral.com/rscadv?URL_MASK=331a894fbeb4b05a3415b58b2226958

Declined - other reason: https://mc.manuscriptcentral.com/rscadv?URL_MASK=d892434a53bc4af0b98f0f68b6940469

Declined - out of expertise: https://mc.manuscriptcentral.com/rscadv?URL_MASK=ff2abc2fcc8d4eb898847cc38913f549

Once you accept the invitation to review this manuscript, you will receive a second email giving you access to the manuscript and our reviewer guidelines.

When the Editor makes a decision on this manuscript you will receive an email informing you of the outcome, providing copies of all reviewer reports received. By submitting a report you consent to the content of your report being shared with the other reviewers of this manuscript.

Please read our Ethical Guidelines which contain full information on the responsibilities of editors, reviewers and authors:

<https://www.rsc.org/journals-books-databases/journal-authors-reviewers/author-responsibilities/#code-of-conduct>

Please note that:

- your anonymity as a reviewer will be strictly preserved;



PERINGATAN: 18+
KARENA BERISIK, BACA TERSEKSI
KARENA TERDAMPAR
LAINNYA EDISI TERSEKSI (085-777-4444)

Temukan pesan, dokumen, foto, atau orang

Flora

Awal

Tulis

Kembali

Arsipkan

Pindahkan

Hapus

Spam

...

Yahoo/Email M...

Rab, 26 Mei jam 18.13

Email Masuk 999+

Belum Dibaca

Berbintang

Draft 148

Terkirim

Arsip

Spam

Sampah

^ Lebih sedikit

Tampilan Sembunyikan

Foto

Dokumen

Langganan

Promo

Folder Sembunyikan

+ Folder Baru

facebook

Penting

Assigned to review for RSC Advances - RA-ART-04-2021-003392



RSC Advances <onbehalfof@manuscriptcentral.com>
Kepada: flora_elvistia@yahoo.com

26-May-2021

Dear Dr Firdaus:

TITLE: Mechanically and electrically durable, stretchable electronic textile for robust wearable electronics
AUTHORS: Kim, Sun Hong; Kim, Yewon; Choi, Heewon; Park, Juhyung; Song, Jeong Han; Baac, Hyoung Won; Shin, Mikyung; Kwak, Jeonghun; Son, Donghee
(See below for abstract)

Thank you for agreeing to review the above manuscript for RSC Advances, published by the Royal Society of Chemistry. Your review is due on 05-Jun-2021. If you need longer to provide your review please let me know.

Supporting our community through Covid-19
While our publishing services are running as usual, we also know that this is a very challenging time for everyone, for many different reasons. If any aspect of the publishing process is worrying you – for example you think you may struggle to meet a pre-determined deadline – please let us know, and we will work out an answer together.

Papers published in RSC Advances must represent a significant development in the particular field judged according to originality, quality of scientific content and contribution to existing knowledge.

You can access this manuscript directly by clicking here: https://mc.manuscriptcentral.com/rscadv?URL_MASK=59cfd3031d094e8a908fc1df7522f32

Alternatively, you can login to your account (<https://mc.manuscriptcentral.com/rscadv>) where you will need your case-sensitive USER ID (flora_elvistia@yahoo.com) and password details. Once you are logged in, click on the Reviewer Centre, where you will find the manuscript listed under "Review and Score".

If you are unsure of your password you can set a new password here:
https://mc.manuscriptcentral.com/rscadv?URL_MASK=779ed84b47684c91b664a489710ab79a

Guidelines for reviewers on the suitability of manuscripts for RSC Advances can be found at the beginning of the manuscript document. Please answer all questions on the review score sheet. I strongly encourage you to elaborate on your review recommendation in the space provided for comments to the author. Your specific comments will provide valuable feedback to the authors to improve their current and future work.

Please note that the report you provide may be assigned a quality rating by the editor. This helps us ensure that we always choose the best reviewers for the benefit of our authors.

Please read our Ethical Guidelines which contain full information on the responsibilities of editors, reviewers and authors, where you can also find our guide on how to write a review:

<https://www.rsc.org/journals-books-databases/journal-authors-reviewers/author-responsibilities/#code-of-conduct>

Please note that:
- your anonymity as a reviewer will be strictly preserved;
- you have the responsibility to treat the manuscript and any communications on the manuscript as confidential;



RA-ART-04-2021-003392: Your review has been received. Your continued support is advancing chemical science.

Dari: RSC Advances (onbehalfof@manuscriptcentral.com)

Kepada: flora_elvistia@yahoo.com

Tanggal: Sabtu, 5 Juni 2021 06.46 GMT+7

05-Jun-2021

Dear Dr Firdaus:

TITLE: Mechanically and electrically durable, stretchable electronic textile for robust wearable electronics

Thank you for your recent review and support for RSC Advances. As a reviewer, your expertise makes sure that the scientific record is accurate, comprehensive and trustworthy. We will be in touch with any queries.

=====

Review support and guidance

=====

As a member of our reviewer community, we wanted to remind you about the support and benefits available to you:

- Discover the latest support and guidance in our dedicated reviewer hub ([rsc.li/reviewer](https://publons.com))
- Get recognised for your reviewing activity with our Publons partnership (<https://publons.com>) – when submitting your review to us, opt in to receive recognition for your review
- 25% discount for our books at our online bookshop at [rsc.li/books](https://publons.com) – discount code: JLREF25. If you have any trouble accessing your discount, please get in touch with our book sales team at booksales@rsc.org
- 50% discount for a new Affiliate membership ([rsc.li/affiliate](https://publons.com)) – discount code: PR50. Visit our membership page to explore our other membership options ([rsc.li/membershipcategories](https://publons.com))

Have you created your own unique digital identifier to distinguish you from other researchers? Ensure there is a single, permanent record of your published work by creating an ORCID ID and choose to receive automatic updates when you publish work.

Thank you again for your hard work and support as a reviewer for the Royal Society of Chemistry.

Best wishes,

Prof Abha Misra
Associate Editor, RSC Advances

If you need to contact the journal, please use the email address advances@rsc.org

DISCLAIMER:

This communication is from The Royal Society of Chemistry, a company incorporated in England by Royal Charter (registered number RC000524) and a charity registered in England and Wales (charity number 207890). Registered office: Burlington House, Piccadilly, London W1J 0BA. Telephone: +44 (0) 20 7437 8656.

The content of this communication (including any attachments) is confidential, and may be privileged or contain copyright material. It may not be relied upon or disclosed to any person other than the intended recipient(s) without the consent of The Royal Society of Chemistry. If you are not the intended recipient(s), please (1) notify us immediately by replying to this email, (2) delete all copies from your system, and (3) note that disclosure, distribution, copying or use of this communication is strictly prohibited.

Any advice given by The Royal Society of Chemistry has been carefully formulated but is based on the information available to it. The Royal Society of Chemistry cannot be held responsible for accuracy or completeness of this communication or any attachment. Any views or opinions presented in this email are solely those of the author and do not represent those of The Royal Society of Chemistry. The views expressed in this communication are personal to the sender and unless specifically stated, this e-mail does not constitute any part of an offer or contract. The Royal Society of Chemistry shall not be liable for any resulting damage or loss as a result of the use of this email and/or attachments, or for the consequences of any actions taken on the basis of the information provided. The Royal Society of Chemistry does not warrant that its emails or attachments are Virus-free; The Royal Society of Chemistry has taken reasonable precautions to ensure that no viruses are contained in this email, but does not accept any responsibility once this email has been transmitted. Please rely on your own screening of electronic communication.

More information on The Royal Society of Chemistry can be found on our website: www.rsc.org

Your review of RSC Advances RA-ART-04-2021-003392

Dari: RSC Advances (onbehalf@manuscriptcentral.com)

Kepada: advances@rsc.org

Tanggal: Selasa, 8 Juni 2021 13.23 GMT+7

Dear Reviewer

Thank you for providing a report on this manuscript submitted to RSC Advances. I appreciate the time and expertise you have contributed.

I am writing to inform you that after considering the comments and recommendations of all the reviewers I have decided that the manuscript requires minor revision prior to final acceptance. The authors have been informed of my decision and may have been provided with my own additional comments.

For your information any reports relating to this decision are provided below. Please note that this is an automated email sent to all the reviewers of this manuscript. This message should be treated as confidential.

I hope you find this information useful. Thank you for your support of RSC Advances.

Yours sincerely

Prof Abha Misra
Associate Editor, RSC Advances

RA-ART-04-2021-003392

Mechanically and electrically durable, stretchable electronic textile for robust wearable electronics
Kim, Sun Hong; Kim, Yewon; Choi, Heewon; Park, Juhyung ; Song, Jeong Han ; Baac, Hyoung Won; Shin, Mikyung; Kwak, Jeonghun; Son, Donghee

REVIEWER REPORT(S):

Referee: 1

Comments to the Author

It was a good research. There are some notes from me to be considered:

What you have mentioned on your research paper was the condition that you considered to be the success of method on supporting your findings.

1. Please give a short brief the state of the art of method you have used let say kirigami and Ag arrangement. What are the limitations of those if applied in other certain conditions?

2. How was the analyzed to the gap between your research findings to an unoptimized condition?

3. Please manage the figure appropriately. Fig 1; Fig 2; Fig 4. Place after the caption.

Referee: 2

Comments to the Author

The authors demonstrated a mechanically and electrically durable, stretchable electronic textile comprising tough self-healing conductive composite and kirigami-patterned stretchable fabric. The conductive fabric fabricated by coating the self-healing conducting nanocomposite film showed excellent electrical stability under a stretching mode. Specifically, the high toughness of the self-healing polymer enabled the damage-durable property of this conducting textile. This work is interesting and I believe that it can be suitable for publication in RSC Advances, after the authors make the minor revision to address these following comments.

1. The authors have provided excellent descriptions to the interesting findings regarding electrical recovery. But some detailed explanations regarding mechanism of electrical recovery are needed additionally. What is the main driving force of electrical recovery and is there any chemical interactions between Ag flakes and polymer?

2. I think the cumulative data of 'top' and 'bottom' in the graph of Figure. S2 (b) and the explanations below are not matched, Authors may need to check the figure.

3. The authors claimed that kirigami-patterned conductive fabric shows stretchability over 300 %. However, the authors showed the cyclic stretching test result of ~25%. The reviewer suggests that the authors try the cyclic test in higher strain.

4. The authors demonstrated EMG monitoring while the three kinds of conductive fabric were attached on skin. However, the silver flakes may be quite weak for oxidation particularly under the biofluidic condition. Some comments are needed for this issue.

If you need to contact the journal, please use the email address advances@rsc.org

DISCLAIMER:

This communication is from The Royal Society of Chemistry, a company incorporated in England by Royal Charter (registered number RC000524) and a charity registered in England and Wales (charity number 207890). Registered office: Burlington House, Piccadilly, London W1J 0BA. Telephone: +44 (0) 20 7437 8656.

The content of this communication (including any attachments) is confidential, and may be privileged or contain copyright material. It may not be relied upon or disclosed to any person other than the intended recipient(s) without the consent of The Royal Society of Chemistry. If you are not the intended recipient(s), please (1) notify us immediately by replying to this email, (2) delete all copies from your system, and (3) note that disclosure, distribution, copying or use of this communication is strictly prohibited.

Any advice given by The Royal Society of Chemistry has been carefully formulated but is based on the information available to it. The Royal Society of Chemistry cannot be held responsible for accuracy or completeness of this communication or any attachment. Any views or opinions presented in this email are solely those of the author and do not represent those of The Royal Society of Chemistry. The views expressed in this communication are personal to the sender and unless specifically stated, this e-mail does not constitute any part of an offer or contract. The Royal Society of Chemistry shall not be liable for any resulting damage or loss as a result of the use of this email and/or attachments, or for the consequences of any actions taken on the basis of the information provided. The Royal Society of Chemistry does not warrant that its emails or attachments are Virus-free; The Royal Society of Chemistry has taken reasonable precautions to ensure that no viruses are contained in this email, but does not accept any responsibility once this email has been transmitted. Please rely on your own screening of electronic communication.

More information on The Royal Society of Chemistry can be found on our website: www.rsc.org

Your review of RSC Advances RA-ART-04-2021-003392.R1

Dari: RSC Advances (onbehalfof@manuscriptcentral.com)

Kepada: advances@rsc.org

Tanggal: Rabu, 16 Juni 2021 19:33 GMT+7

Dear Reviewer

Thank you for providing a report on this manuscript submitted to RSC Advances. I appreciate the time and expertise you have contributed.

I am writing to inform you that after considering the comments and recommendations of all the reviewers my decision was to accept this manuscript for publication.

For your information any reports relating to this decision are provided below. Please note that this is an automated email sent to all the reviewers of this manuscript. This message should be treated as confidential.

I hope you find this information useful. Thank you for your support of RSC Advances.

Yours sincerely

Prof Abha Misra
Associate Editor, RSC Advances

RA-ART-04-2021-003392.R1

Mechanically and electrically durable, stretchable electronic textile for robust wearable electronics

Kim, Sun Hong; Kim, Yewon; Choi, Heewon; Park, Juhyoung; Song, Jeong Han; Baac, Hyoung Won; Shin, Mikyung; Kwak, Jeonghun; Son, Donghee

REVIEWER REPORT(S):

Referee: 2

Comments to the Author

The authors have satisfactorily addressed all comments, and I believe that the work can be suitable for publication in RSC Advances.

Please note that for manuscripts which were accepted without further review this section will be blank.

If you need to contact the journal, please use the email address advances@rsc.org

DISCLAIMER:

This communication is from The Royal Society of Chemistry, a company incorporated in England by Royal Charter (registered number RC000524) and a charity registered in England and Wales (charity number 207890). Registered office: Burlington House, Piccadilly, London W1J 0BA. Telephone: +44 (0) 20 7437 8656.

The content of this communication (including any attachments) is confidential, and may be privileged or contain copyright material. It may not be relied upon or disclosed to any person other than the intended recipient(s) without the consent of The Royal Society of Chemistry. If you are not the intended recipient(s), please (1) notify us immediately by replying to this email, (2) delete all copies from your system, and (3) note that disclosure, distribution, copying or use of this communication is strictly prohibited.

Any advice given by The Royal Society of Chemistry has been carefully formulated but is based on the information available to it. The Royal Society of Chemistry cannot be held responsible for accuracy or completeness of this communication or any attachment. Any views or opinions presented in this email are solely those of the author and do not represent those of The Royal Society of Chemistry. The views expressed in this communication are personal to the sender and unless specifically stated, this e-mail does not constitute any part of an offer or contract. The Royal Society of Chemistry shall not be liable for any resulting damage or loss as a result of the use of this email and/or attachments, or for the consequences of any actions taken on the basis of the information provided. The Royal Society of Chemistry does not warrant that its emails or attachments are Virus-free; The Royal Society of Chemistry has taken reasonable precautions to ensure that no viruses are contained in this email, but does not accept any responsibility once this email has been transmitted. Please rely on your own screening of electronic communication.

More information on The Royal Society of Chemistry can be found on our website: www.rsc.org

**TAHUN 2021: PENILAI JURNAL
INTERNASIONAL BEREPUTASI**

Penilai	Dr. Flora Elvistia Firdaus, M.Si
Nama Jurnal	Biomass Conversion and Biorefinery (Q2)
Penerbit	Springer Verlag (Germany)
Judul Artikel	Production of sustainable rigid polyurethane foam from chemically modified underutilized <i>Jatropha curcas</i> L seed oil

BCAB: Reviewer Invitation for Production of sustainable rigid polyurethane foam from chemically modified underutilized *Jatropha curcas* L seed oil

Dari: Martin Kaltschmitt (em@editorialmanager.com)

Kepada: flora_elvistia@yahoo.com

Tanggal: Minggu, 1 Agustus 2021 16.35 GMT+7

CC: kaltschmitt@tu-harburg.de

Dear Dr. Firdaus,

As the Editor of the journal Biomass Conversion and Biorefinery I want to ask you if you could review the article "Production of sustainable rigid polyurethane foam from chemically modified underutilized *Jatropha curcas* L seed oil" for a possible publication in our journal.

This is the abstract:

Environmental awareness has revitalized utilization of bio-based resources as precursors for industrial applications. Natural lipids from plants and animals (macro and microorganisms) are among the recent sustainable resources used as alternative to petroleum-based resources in industrial applications. Bio-based rigid polyurethane foam (RPUF) was prepared from polymerization reaction between 4, 4-diphenyl methylene diisocyanate (MDI) and epoxidized/hydroxylated *Jatropha curcas* L oil (JCO) using 2-shot technique. Synthesized *J. curcas* polyol (JCP)-based RPUF was characterized using Fourier transform infrared (FTIR) spectroscopy, scanning electron microscopy (SEM), thermogravimetric (TGA) and derivative thermogravimetric analyses (DTG). Core density, porosity and compressive strength were equally evaluated. The stretching vibration at 3324.8, 1712.64, 1531.01 and peak at 1250.16 cm^{-1} confirmed formation of urethane bond. The cellular structure of JCP-based RPUF indicated its applicability as buoyancy material in aerospace engineering. Thermal stability from TGA/DTG showed suitability of the synthesized bi-based polymer as a potential material for industrial applications. Core density $> 40 \text{ kg/m}^3$ showed potential ability of JCP-based RPUF to be useful in production aircraft, boat and automobile panels. Porosity $> 70\%$ revealed synthesized polymer to be useful in bone tissue engineering for biomedical applications. Compressive strength $> 100 \text{ kPa}$ validated synthesized JCP-based RPUF to possess impart absorbing property for production of packaging and equipment protecting material.

In case you accept to review this submission please click on this link:

<https://www.editorialmanager.com/bcab/l.asp?i=163549&l=OAWW13OT>

If you do not wish to review this paper, please click this link: <https://www.editorialmanager.com/bcab/l.asp?i=163550&l=8ICUFGJK> *

Your username is: Flora Elvistia Firdaus

If you forgot your password, you can click the 'Send Login Details' link on the EM Login page at <https://www.editorialmanager.com/bcab/>.

The manuscript reference is BCAB-D-21-01195.

If possible, I would appreciate receiving your review in 30 days. You may submit your comments online at the above URL. There you will find spaces for confidential comments to the editor, comments for the author and a report form to be completed.

With kind regards

Prof. Dr.-Ing. Martin Kaltschmitt
Editor-in-Chief

--

*If clicking the link above does not open an Editorial Manager window, your email program may have inserted some spaces and/or line markers into the link. Please open a browser window manually and copy and paste the entire link from the email into the url address box. The link starts with the letters "http" and ends with the letters

"rev=X" (where X represents a number such as 0,1,2, etc.) Note that the end of the link may be shown on a different line in this email, and may be shown in a different color than the beginning of the link. The entire link must be copied and pasted into the browser in order for the correct Editorial Manager window to be displayed. After copying the link into the url address box, you must also remove any spaces and line markers (e.g. > or >>) by using the delete or backspace keys on your keyboard.

****Our flexible approach during the COVID-19 pandemic****

If you need more time at any stage of the peer-review process, please do let us know. While our systems will continue to remind you of the original timelines, we aim to be as flexible as possible during the current pandemic.

This letter contains confidential information, is for your own use, and should not be forwarded to third parties.

Recipients of this email are registered users within the Editorial Manager database for this journal. We will keep your information on file to use in the process of submitting, evaluating and publishing a manuscript. For more information on how we use your personal details please see our privacy policy at <https://www.springernature.com/production-privacy-policy>. If you no longer wish to receive messages from this journal or you have questions regarding database management, please contact the Publication Office at the link below.

In compliance with data protection regulations, you may request that we remove your personal registration details at any time. (Use the following URL: <https://www.editorialmanager.com/bcab/login.asp?a=r>). Please contact the publication office if you have any questions.

Reviewer Recommendation and Comments for Manuscript Number BCAB-D-21-01195**Production of sustainable rigid polyurethane foam from chemically modified underutilized *Jatropha curcas* L seed oil**

Original Submission
Flora Elvistia Firdaus **Reviewer 2**

[Back](#) [Edit Review](#) [Print](#) [Submit Review to Editorial Office](#)

Recommendation: **Reject**

Transfer Authorization

If this submission is transferred to another publication, do we have your consent to include your identifying information?

Response

Yes

If this submission is transferred to another publication, do we have your consent to include your original review?

Yes

Custom Review Question(s):

Publons Reviewer Recognition. Springer Nature can send verification of this review directly to Publons (a subsidiary of Clarivate Analytics). If you would like to take advantage of this service, please click on the "Yes" option below. Your name, email address, title of the reviewed manuscript, name of the journal, and date of your review submission (the "Review Data") will then be transmitted to Publons after the final decision on the manuscript has been made. If you have already registered at Publons, they will notify you of the receipt of this review and update your profile as per your settings and their policy. If you are not registered with Publons, you will receive an email from them asking you to register in order for them to be able to recognize your review on your new profile page. Publons may use the Review Data to generate derivative metadata for the benefit of Publons and you as a reviewer, carefully considering the sensitivity of such information. For example, Publons may verify your record as a reviewer by updating your profile published on its webservice if you have registered for such service or help editors to identify candidate reviewers. Please find the details of processing in Publons' privacy policy <https://publons.com/about/terms>

Response

Yes

Reviewer Comments to Author

Dear Author

I have read through your paper with the title "Biomass Conversion and Biorefinery Production of sustainable rigid polyurethane foam from chemically modified underutilized *Jatropha curcas* L seed oil".

The research topic was interesting with the support of several characterization tests. On your research you were conducting one formula to fabricate a one rigid polyurethane product. How can you be sure your formula used were the best. How to optimize if there were no others to compared.

A one rigid polyurethane product from one formula was suited to a wide applications which usually a specific narrow application.

Reviewer Confidential Comments to Editor:

Dear Editor

I have read through your paper with the title "Biomass Conversion and Biorefinery Production of sustainable rigid polyurethane foam from chemically modified underutilized *Jatropha curcas* L seed oil".

The research topic was interesting with the support of several characterization tests. On your research you were conducting one formula to fabricate a one rigid polyurethane product. How can you be sure your formula used were the best. How to optimize if there were no others to compared.

A one rigid polyurethane product from one formula was suited to a wide applications which usually a specific narrow application.

I think this paper is rejected.

Thank you

[Back](#) [Edit Review](#) [Print](#) [Submit Review to Editorial Office](#)

BCAB: Thank you for the review of BCAB-D-21-01195

Dari: Martin Kaltschmitt (em@editorialmanager.com)

Kepada: flora_elvistia@yahoo.com

Tanggal: Minggu, 8 Agustus 2021 10.48 GMT+7

Ref.:

Ms. No. BCAB-D-21-01195

Production of sustainable rigid polyurethane foam from chemically modified underutilized *Jatropha curcas* L seed oil

Biomass Conversion and Biorefinery

Dear Dr. Firdaus,

Thank you for your review of this manuscript. Springer Nature strives to create and publish research materials of the highest quality. Your contribution has helped us further this mission, and for that you have our sincerest appreciation.

You can access your review comments and the decision letter (when available) by logging onto the Editorial Manager site at:

Your username is: Flora Elvistia Firdaus

If you forgot your password, you can click the 'Send Login Details' link on the EM Login page at <https://www.editorialmanager.com/bcab/>.

You can also access to the journal's overview at:
%CUSTOM_JOURNAL_HOMEPAGE%

Thank you again for your support.

Kind regards,

Prof. Dr.-Ing. Martin Kaltschmitt
Editor-in-Chief
Biomass Conversion and Biorefinery

We really value your feedback! Please spend 1 minute to tell us about your experience of reviewing - click https://springernature.eu.qualtrics.com/jfe/form/SV_cNPY5OM4ZC3PkON?J=13399

****Our flexible approach during the COVID-19 pandemic****

If you need more time at any stage of the peer-review process, please do let us know. While our systems will continue to remind you of the original timelines, we aim to be as flexible as possible during the current pandemic.

This letter contains confidential information, is for your own use, and should not be forwarded to third parties.

Recipients of this email are registered users within the Editorial Manager database for this journal. We will keep your information on file to use in the process of submitting, evaluating and publishing a manuscript. For more information on how we use your personal details please see our privacy policy at <https://www.springernature.com/production-privacy-policy>. If you no longer wish to receive messages from this journal or you have questions regarding database management, please contact the Publication Office at the link below.

In compliance with data protection regulations, you may request that we remove your personal registration details at any time. (Use the following URL: <https://www.editorialmanager.com/bcab/login.asp?a=r>). Please contact the publication office if you have any questions.