



COPYRIGHT TRANSFER AGREEMENT

Authors submitting a manuscript do so on the understanding that if accepted for publication, copyright of the article shall be assigned to *Bulletin of Chemical Reaction Engineering & Catalysis* and Department of Chemical Engineering, Diponegoro University as publisher of this journal.

Copyright encompasses exclusive rights to reproduce and deliver the article in all forms and media, including reprints, photographs, microfilms and any other similar reproductions, as well as translations. The reproduction of any part of this journal, its storage in databases and its transmission by any forms or media, such as electronic, electrostatic and mechanical copies, photocopies, recordings, magnetic media, etc., will be allowed only with a written permission from *Bulletin of Chemical Reaction Engineering & Catalysis* and Department of Chemical Engineering, Diponegoro University.

Bulletin of Chemical Reaction Engineering & Catalysis, Department of Chemical Engineering, Diponegoro University, Editors, and International Advisory Editorial Board make every effort to ensure that no wrong or misleading data, opinions or statements be published in the journal. In any way, the contents of the articles and advertisements published in *Bulletin of Chemical Reaction Engineering & Catalysis* are sole and exclusive responsibility of their respective authors and advertisers.

The **Copyright Transfer Agreement Form** can be downloaded at BCREC website : (http://ejournal.undip.ac.id/index.php/bcrec/pages/view/copyright_bcrec). The copyright form should be filled with respect to article and be signed originally and sent to the Editorial Office in the form of original mail, or scanned document file (softcopy) to:

Dr. I. Istadi (Editor-in-Chief)

Editorial Office of Bulletin of Chemical Reaction Engineering & Catalysis

Department of Chemical Engineering, Diponegoro University

Jl. Prof. Soedarto, Kampus Undip Tembalang, Semarang, Central Java, Indonesia 50275

Telp.: +62-24-7460058, Fax.: +62-24-76480675

E-mail: bcrec@undip.ac.id / bcrec@live.undip.ac.id

BCREC – UNDIP - MKICS

BULLETIN OF CHEMICAL REACTION ENGINEERING & CATALYSIS
ISSN 1978-2993 (<http://bcrec.undip.ac.id>)

COPYRIGHT TRANSFER AGREEMENT FORM

Name of Principal Authors:
Address of Principal Authors:
.....
.....
.....

Tel: _____ Fax: _____
E-mail: _____

Author(s) Name: _____ Manuscript No. _____

Manuscript Title: _____ Date Received _____

1. I/We submit to the **Bulletin of Chemical Reaction Engineering & Catalysis** the above manuscript. I/We certify that the work reported here has not been published before and contains no materials the publication of which would violate any copyright or other personal or proprietary right of any person or entity.

2. I/We hereby agree to transfer to Department of Chemical Engineering UNDIP the copyright of the above - named manuscript. I/We reserve the following: (1) All proprietary rights other than copyright such as patent rights. (2) The right to use all or part of this article in future works of our own such as in books and lectures.

Print or Type Name and Title of Author _____

Signature (original) _____ Date _____

(When there is more than one author, only one signature will suffice.)





PUBLICATION ETHICS AND MALPRACTICE STATEMENT

Bulletin of Chemical Reaction Engineering & Catalysis (*Bull. Chem. React. Eng. Catal. - BCREC*) is a peer-reviewed electronic international journal. This statement clarifies ethical behavior of all parties involved in the act of publishing an article in this journal, including the author, the chief editor, the Editorial Board, the peer-reviewer, and the publisher (Diponegoro University). This statement is based on COPE's Best Practice Guidelines for Journal Editors.

Ethical Guideline for Journal Publication

The publication of an article in a peer-reviewed BCREC journal is an essential building block in the development of a coherent and respected network of knowledge. It is a direct reflection of the quality of the work of the authors and the institutions that support them. Peer-reviewed articles support and embody the scientific method. It is therefore important to agree upon standards of expected ethical behavior for all parties involved in the act of publishing: the author, the journal editor, the peer reviewer, the publisher and the society.

Diponegoro University as publisher of Bulletin of Chemical Reaction Engineering & Catalysis takes its duties of guardianship over all stages of publishing extremely seriously and we recognize our ethical and other responsibilities. We are committed to ensuring that advertising, reprint or other commercial revenue has no impact or influence on editorial decisions. In addition, the Department of Chemical Engineering of Diponegoro University and Editorial Board will assist in communications with other journals and/or publishers where this is useful and necessary.

Duties of Editors

Publication decisions

The editor of the Bulletin of Chemical Reaction Engineering & Catalysis journal is responsible for deciding which of the articles submitted to the journal should be published. The validation of the work in question and its importance to researchers and readers must always drive such decisions. The editors may be guided by the policies of the journal's editorial board and constrained by such legal requirements as shall then be in force regarding libel, copyright infringement and plagiarism. The editors may confer with other editors or reviewers in making this decision.

Fair play

An editor at any time evaluate manuscripts for their intellectual content without regard to race, gender, sexual orientation, religious belief, ethnic origin, citizenship, or political philosophy of the authors.

Confidentiality

The editor and any editorial staff must not disclose any information about a submitted manuscript to anyone other than the corresponding author, reviewers, potential reviewers, other editorial advisers, and the publisher, as appropriate.

Disclosure and conflicts of interest

Unpublished materials disclosed in a submitted manuscript must not be used in an editor's own research without the express written consent of the author.

Duties of Reviewers

Contribution to Editorial Decisions

Peer review assists the editor in making editorial decisions and through the editorial communications with the author may also assist the author in improving the paper.

Promptness

Any selected referee who feels unqualified to review the research reported in a manuscript or knows that its prompt review will be impossible should notify the editor and excuse himself from the review process.

Confidentiality

Any manuscripts received for review must be treated as confidential documents. They must not be shown to or discussed with others except as authorized by the editor.

Standards of Objectivity

Reviews should be conducted objectively. Personal criticism of the author is inappropriate. Referees should express their views clearly with supporting arguments.

Acknowledgement of Sources

Reviewers should identify relevant published work that has not been cited by the authors. Any statement that an observation, derivation, or argument had been previously reported should be accompanied by the relevant citation. A reviewer should also call to the editor's attention any substantial similarity or overlap between the manuscript under consideration and any other published paper of which they have personal knowledge.

Disclosure and Conflict of Interest

Privileged information or ideas obtained through peer review must be kept confidential and not used for personal advantage. Reviewers should not consider manuscripts in which they have conflicts of interest resulting from competitive, collaborative, or other relationships or connections with any of the authors, companies, or institutions connected to the papers.

Duties of Authors

Reporting standards

Authors of reports of original research should present an accurate account of the work performed as well as an objective discussion of its significance. Underlying data should be represented accurately in the paper. A paper should contain sufficient detail and references to permit others to replicate the work. Fraudulent or knowingly inaccurate statements constitute unethical behavior and are unacceptable.

Data Access and Retention

Authors are asked to provide the raw data in connection with a paper for editorial review, and should be prepared to provide public access to such data (consistent with the ALPSP-STM Statement on Data and Databases), if practicable, and should in any event be prepared to retain such data for a reasonable time after publication.

Originality and Plagiarism

The authors should ensure that they have written entirely original works, and if the authors have used the work and/or words of others that this has been appropriately cited or quoted.

Multiple, Redundant or Concurrent Publication

An author should not in general publish manuscripts describing essentially the same research in more than one journal or primary publication. Submitting the same manuscript to more than one journal concurrently constitutes unethical publishing behaviour and is unacceptable.

Acknowledgement of Sources

Proper acknowledgment of the work of others must always be given. Authors should cite publications that have been influential in determining the nature of the reported work.

Authorship of the Paper

Authorship should be limited to those who have made a significant contribution to the conception, design, execution, or interpretation of the reported study. All those who have made significant contributions should be listed as co-authors. Where there are others who have participated in certain substantive aspects of the research project, they should be acknowledged or listed as contributors. The corresponding author should ensure that all appropriate co-authors and no inappropriate co-authors are included on the paper, and that all co-authors have seen and approved the final version of the paper and have agreed to its submission for publication.

Hazards and Human or Animal Subjects

If the work involves chemicals, procedures or equipment that have any unusual hazards inherent in their use, the author must clearly identify these in the manuscript.

Disclosure and Conflicts of Interest

All authors should disclose in their manuscript any financial or other substantive conflict of interest that might be construed to influence the results or interpretation of their manuscript. All sources of financial support for the project should be disclosed.

Fundamental errors in published works

When an author discovers a significant error or inaccuracy in his/her own published work, it is the author's obligation to promptly notify the journal editor or publisher and cooperate with the editor to retract or correct the paper.

ACKNOWLEDGMENT TO REVIEWERS IN THIS ISSUE

Contribution from the following Reviewers in this issue was very appreciated for their valuable review comments:

Donny Lesmana (*Indonesia*)

Ho-Sing Wu (*China*)

I. Istadi (*Indonesia*)

Andri Cahyo Kumoro (*Indonesia*)

Mohd. Hasbi Ab. Rahim (*Malaysia*)

Salmiaton Ali (*Malaysia*)

Mohd. Izham Saiman (*Malaysia*)

Zaki Zamani Zakaria (*Malaysia*)

Gianvito Vilé (*Switzerland*)

Kazu Okumura (*Japan*)

Kusmiyati (*Indonesia*)

Md. Aminul Islam (*Malaysia*)

R. Rodiansono (*Indonesia*)

AUTHORS INDEX

A		L	
Agnesty, S.Y.	8, 70	Liu, D.B.	1
Amalia, R.	30	Li, Sh.F.	1
Aswathy, M.	38	Lisha, P.	38
Agarwal, R.	78, 86	M	
B		Mukhopadhyay, S.	23, 29
Bijudas, K.	38, 42	Mahfud, M.	61
Bashpa, P.	38, 42	N	
Bibin, V.P.	38	Nair, L.	38, 42
C		P	
Chakraborty, M.	23, 29	Puspasari, D.A.	8
D		Priya, A.P.	38
Dewi, H.K.	8	Prihartantyo, A.	61
E		R	
El-Rafie, Sh.	88	Rahma, S.	8
F		Rasyid, R.	61
Fatimah, I.	43	Rengga, W.D.P.	50
Feinnudin, A.	50	Roesyadi, A.	61
Fal Desai, M.S.	98	S	
G		Salker, A.V.	98, 103
Gunawan, S.	8, 70	Shen, Y.M.	1
H		Sangian, H.F.	8, 70
Hasanah, U.A.	43	Suryawanshi, Y.R.	23, 29
Handayani, P.A.	50	Shenoy, K.T.	23, 29
J		Sen, D.	23, 29
Jauhari, S.	23, 29	Said, A.	43
K		Singh, O.	78
Kristian, J.	8	Singh, J.	78, 86
Kumoro, A.C.	30, 37	Shalaby, M.S.	88
Krishnendu, C.	38	T	
Kadarwati, S.	50	Tyagi, Pr.	78
Kaushik, R.D.	78, 86	W	
Kunkalekar, R.K.	98, 103	Widjaja, A.	8, 70
		Y	
		Yuan, Sh.	1, 7

SUBJECTS INDEX

A		M	
acetylation	30-37	Microporosity	6
Anatase	49	methylmethyylimidazolium	8-22
B		Mass transfer	30-37
Butylation	1-7	MnO ₂	98-103
Butyltoluene	1-7	N	
Butilalcohol	1-7	non-sulfidecatalysts	61-69
Benzaldehydes	38-42	NO-CO Redox Reaction	98-103
Benzyl alcohol	38, 39, 41	P	
C		Phase Transfer Catalyst	38-42
Coconut coir dust	8-22	Photocatalyst	43-49
Catalytic cracking	50-60	Photocatalytic activity	43-49
Calophyllum inophyllum	61-69	Photodegradation	48, 49
CoMo Catalyst	61-69	Photooxidation	48, 49
D		Phosphorus removal	88, 95, 96
dibenzocrown-18-crown-6 ether	23-29	Palladium	98-103
E		R	
Enzymatic hydrolysis	8-22	Recycled ionic liquid	8-22
Esterification	62	Ruthenium nanocatalyst	23-29
G		Rhodium	98-103
Gadung flour	30-37	Rice Husk Ash	43-48
Glacial acetic acid	30-37	Rutile	49
H		Rubber seed	50, 51, 52, 59
Hemicellulose	8-22, 70	Reducing sugar	70, 76
Hydrogenation	23, 24, 27, 29	S	
Hydrolysis	31, 36, 70-77	Sugarcane baggase (SCB)	8, 9, 70-77
Hypochlorite	38-42	Starch	30, 31, 35
Hydrocracking	61-69	Six-lumps	50-60
Human Urine	88	Stopped flow kinetics	78-87
I		Struvite	88-97
Ionic liquid	70-77	Solubility constant	88-97
K		T	
Kinetics and mechanism	30-37, 43-49, 50-60, 78-87, 88-97	TiO ₂ -SiO ₂	43-49
L		Transesterification	62
Lignin	8-22	U	
Lipophilic	41	Ultra Stable Y Zeolite (USY)	1, 2, 5
		Z	
		Zeolite	1-7



SUBMISSION INFORMATION

All manuscripts should be submitted to BCREC Editorial Office by Online Submission and Tracking Interface at: <http://ejournal.undip.ac.id/index.php/bcrec>

The following materials should accompany the submitted manuscripts to the editorial office:

- Signed *Copyright Transfer Agreement* form (a copy reproduced from the website),
- A *Covering Letter*, outlines the basic findings of the paper and their significance. which are uploaded as *Supplementary Materials* (Step 4) in submission interface.

However, if for any reason authors are unable to use the above methods, authors may also contact to Editorial Office according to the following address:

Dr. I. Istadi (Editor-in-Chief)

Bulletin of Chemical Reaction Engineering & Catalysis

Department of Chemical Engineering, Diponegoro University

Jl. Prof. Soedarto, Kampus Undip Tembalang, Semarang, Central Java, Indonesia

50275; Telp.: +62-24-7460058, Fax.: +62-24-76480675

Email: bcrec@undip.ac.id

Three types of manuscripts are acceptable for publication in BCREC journal: *Original Research Articles*, *Review Articles*, and *Short Communication*.

Preparation of manuscripts

Manuscript of research article or reviews should be prepared in 'camera ready' as above templates, according to the guidelines in the website: <http://ejournal.undip.ac.id/index.php/bcrec/pages/view/authorguide>

Reviewing of manuscripts

Every submitted paper is independently reviewed by at least two peers. Decision for publication, amendment, or rejection is based upon their reports. If two or more reviewers consider a manuscript unsuitable for publication in this journal, a statement explaining the basis for the decision will be sent to the authors within three months of the submission date. The rejected manuscripts will not be returned to the authors.

Revision of manuscripts

Manuscripts sent back to the authors for revision should be returned to the editor without delay (1 month). The revised manuscripts should be sent to Editorial Office by e-mail (bcrec@undip.ac.id) or preferably through **Online Submission Interface** (<http://ejournal.undip.ac.id/index.php/bcrec>). The revised manuscripts returned later than three months will be considered as new submissions.

ISSN 1978-2993



9 771978 299307