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Manuscript Preparation Guidelines

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Abstract

Abstract title is written with Times News Roman style (10 pt and bold) and centered format. The body text of abstract was written italic style (10 pt) amounts 150-200 words, with left margin and right margin 25 mm and 20 mm from edge. The abstract should be clear, concise, and descriptive. This abstract should provide a brief introduction to the problem (preferably 1-2 sentences, objective of paper, research method in short, and a brief summary of results. The abstract should end with a comment on the significance of the results or a brief conclusion. The abstract is preferably not more than 300 words. Keywords written under the abstract text arranged in alphabetical order and separated by a semicolon. Title keywords written with regular format with 10 pt bold font while the key words in italics (italic).

Keywords: abstract; keyword; tittle; writing guidelines

INTRODUCTION

Reactor is published since 1997 with 2 (two) issues every year, i.e. June and December. In 2012, Reactor is published every April and October. Starting in 2016, Reactor is published 4 (four) times a year i.e. March, June, September and December. Reactor is a journal that has been accredited by SK No. 60/E/KPT/2016 with p-ISSN No. 0852-0798 and e-ISSN No. 2407-5973. Articles in the Reactor come from articles submitted to the Reactor Editor and after going through the review process by the Editorial Board and/or Reviewer. Articles submitted must be free from plagiarism and autoplagiarsm.

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such as; Indonesia Citation Index, Google Scholar, Portal Garuda, E-print UNDIP, Open access articles, Research Bible, *DAIJ (Directory of Abstract Indexing Journal)*, OAJI (*Open Academic Journal Index*), EZB Nutzeranfragen, World Cat, SHERPA/RoMEO and DOAJ.

Articles can be written in either English or Indonesia. Articles can be results of research, state of the art studies, and analysis and problem solving in industries relevant to the field of chemical engineering, which have not been published in other publications.

WRITING METHOD General Instructions

Articles should be written on A4 paper (210 x 297 mm). Articles are written without page numbers

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Writing Guidelines

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The author's name is written under the title with the Title Case format, font 12 pt bold. The author's name is written complete without an academic degree. Apostrophes are written behind the author's name in superscript format. The name of the institution (institution, address, phone number, facsimile number and e-mail) is written under the author's name with the theme of Times New Roman with Title Case format, 10 pt. If the author is more than one, should be written email for the correspondence author (corresponding author). Article title, author's name and institutional name are written flat center. The distance between the title and the author's name is 2 spaces (10 pt) and between the author's name and the institution name is 1 space (10 pt).

The contents of the article are written with a left margin of 25 mm, right margin 20 mm, bottom margin 20 mm and top margin 30 mm. The header distance from the edge of the paper is 20 mm, and the footer distance from the edge of the paper is 13 mm. Articles are written in MS Word program with Times New Roman font type, 10 pt font, 1 space and in two column format. The maximum number of article pages is 10 (including pictures and tables) and written justified. The beginning of the paragraph is written indented by a distance of 1 cm and the distance between paragraphs is 10 pt.

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RESULTS AND DISCUSSION

Figures and Tables

Figures and Tables are placed in groups of text and annotated. The figure is followed by the caption placed under the figure and the table followed by the caption placed on the table. The figures and the tables are numbered. The figure is guaranteed to be printed clearly even though it is reduced to 50%. Figure is not framed. For colorful images or graphics, please send

as many as 300 sheets if you want to print in color. Tables with no vertical lines, whereas horizontal lines are only shown in 3 main horizontal lines i.e. 2 horizontal lines for the column headings and 1 closing line for the bottom row.

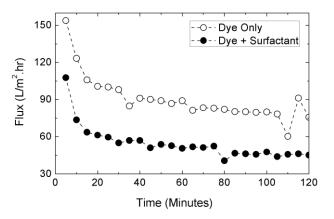


Figure 1. Flux Profile of Dye and Mixture of Dye and Surfactant Ultrafiltration at Remazol Blue concentration of 90 mg/l

Table 1. The microalgae composition of the Tetraselmis chuii species

Component	Composition (%w/w)
α-sellulose	47.2 %
Hemisellulose	35.5%
HWS	17%

Equations

The equations are written center and numbered in parentheses. The number is placed at the end of the right margin of the column.

$$D = \frac{A}{\left(V_{\text{rel}}^2 \rho_a\right)^2} + B \left(\frac{M_{\text{air}}}{M_{\text{liq}}}\right)^{-\beta}$$
 (1)

Quote Writing

The writing system quotes a manuscript or literature using the Harvard system. The literature source is composed only of the author's name and the year of its publication. Examples: Attempts to search for better heat storage systems have been widely used, including the latent heat melting of PCM (Yanadoro and Matsuda, 2006 for one or two authors; Smith et al., 2011 for more than two authors). According to (2010),etc.

CONCLUSION

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References are listed alphabetically without numbering and the distance between the bibliography is 1 space (10 pt). The rules of writing used are as follows:

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Sumin, L., Youguang, M.A., Chunying, Z., Shuhua, S., and Qing, H.E., (2009), The Effect of Hydrophobic Modification of Zeolites on CO₂ Absorption Enhancement, *Chinese Journal of Chemical Engineering*, 17(1), pp. 36-41.

Book:

Fogler, H.S., (2006), *Elements of Chemical Reaction Engineering*, 4th, Prentice Hall International, Upper Sadle River, New Jersey, pp. 47-93

Disertation/thesis:

Djaeni, M., (2008), Energy Efficient Multistage Zeolite Drying for Heat Sensitive Products, *PhD Thesis*, Wageningen University, The Netherlands.

Patent:

van Reis, R.D., (2006), Charged Filtration Membranes and Uses Therefore, *US Patent* 7,001,550.

HandBook:

Knothe, G., van Gerpen, J., and Krahl, J., (2005), *The Biodiesel Hanbook*, AOCS Press, Campaign, Illionis, USA, pp. 70-84

Mujumdar, A.S. and Hasan, M., (2006), Drying of Polymers in *Handbook of Industrial Drying*, editor A.S. Mujumdar, 3rd ed, Marcel Dekker, New York, pp. 954-978.