



*Type of Article (Research Article or Review Article or Short Communication)*

## Instructions for Preparing Manuscript of BCREC Journal (2012 Version) Camera-ready Manuscript ← 16pt, Bold

Istadi Istadi <sup>1\*</sup>, Didi Dwi Anggoro <sup>1</sup>, Dani Purwanto <sup>2</sup> ← 10pt, bold

<sup>1</sup> Chemical Reaction Engineering & Catalysis Group, Department of Chemical Engineering ← 10pt, italic  
Diponegoro University, Jl. Prof. Soedarto, Kampus Undip Tembalang, Semarang 50239, Indonesia ← 10pt, italic

<sup>2</sup> Department of Chemical Engineering, Diponegoro University, ←10pt, italic  
Jl. Prof. Soedarto, Kampus Undip Tembalang, Semarang 50239, Indonesia ←10pt, italic

### Abstract ← 12pt, Times New Roman, bold

The abstract should be clear, concise, descriptive and should provide a brief introduction to the problem. This should generally be followed by a statement regarding the methodology and a brief summary of results. The abstract should end with a comment on the significance of the results or a brief conclusion. Abstracts are written in 10 pt Times New Roman italic, preferably not more than 300 words.

### Keywords: ← 12pt, Times New Roman bold

Maximum of 5 keywords separated by semicolon (;), crucial to the appropriate indexing of the conference papers, are to be given. eg: Artificial Intelligence; Genetic Algorithm; Fuzzy Logic

### 1. Introduction ← 12pt, Times New Roman, bold

This template is designed to assist you in preparing your manuscript; it is an exact representation of the format expected by the editor. To use this template, please just *Save As* to your document, then copy and paste your document here. The work should not have been published or submitted for publication elsewhere. The official language of the manuscript to be published in BCREC is English.

### 2. Materials and Methods ← 12pt, Times New Roman bold

#### 2.1. General Organization of the Paper ←10pt, Times New Roman bold

The paper will be published in BCREC journal

after peer-reviewed process. After a suitable arrangement, the paper will be directly reproduced from the camera-ready format.

According to Engelmores & Morgan [1], manuscript content should, in general, be organized in the following order: (1) Abstract; (2) Keywords; (3) Introduction; (4) Materials and Methods; (5) Results and Discussion; (6) Conclusions; (7) Acknowledgments; and (8) References.

#### 2.2. Document Length Restrictions

Papers accepted for publication are strictly limited to a **maximum of 10 pages** in a two-column format following this template.

#### 2.3. Document Format

##### 2.3.1. Font and Spacing ← 10pt, Times New Roman, Italics

Manuscript should be typed using word processors (Microsoft Word or Open Office)

\*Corresponding Author. E-mail: [istadi@undip.ac.id](mailto:istadi@undip.ac.id) (I. Istadi), Tel: +62-24-7460058, Fax: +62-24-76480675

software. The font used throughout the paper is Times New Roman. The paper size is A4 (i.e., 210 x 297 mm), two-column format (i.e., 85 mm each) with a 2.5 cm margin at the top, a 2.5 cm margin at the bottom, 1.5 cm margins on the left and right with a 1 cm space between the two columns. Lines are single spaced, justified. If the last page of your paper consists of less than two columns, then divide the last page text into two columns of equal length. Use high quality paper, printed on one side only with, preferably, a laser printer. Page numbers are not to be included in the text; they should be written on the back of pages at the bottom center using a pencil. Use of pronouns such as I, we etc. should be avoided.

### 2.3.2. Paper Title

The title of the paper should be in 14 pt bold and be centered over BOTH columns; the title should have 0 pt space above and 12 pt below.

### 2.3.3. Authors

Author names should be in 12 pt Times Roman bold with 12 pt above and 12 pt below. Author addresses are superscripted by numerals and centered over both columns of manuscripts. Professional positions/ titles such as Professor, Dr., Production Manager etc., are to be avoided.

### 2.3.4. Author Affiliations

Author affiliations should be in 10 pt Times Roman italic single spacing. The body of the text should commence 2 lines (24 points) below the last address.

### 2.3.5. Section Headings

Three levels of heading are allowed as follows:

- Level 1 (Heading1 format) - 12pt, Times bold, left justified
- Level 2 (Heading2 format) - 10pt, Times bold, left justified
- Level 3 (Heading3 format) - 10pt, Times bold italic, left justified

### 2.3.6. Body Text

The body of the text is a set of body text paragraphs defined as follows:

- 10pt Times New Roman
- Single space, defined as 12pt
- Spacing after the heading is 3pt
- Spacing before the new heading is 3pt
- There is no indentation for the first line

### 2.3.7. Bullets

There are two levels of allowed bulleting:

- This is the first bullet level
  - ⇒ This is a sub-bullet level

### 2.3.8. Enumerated Lists

Lists are sequentially numbers as follows:

- Spacing before the start of list is 3pt
- Spacing after the end of list is 3pt

### 2.3.9. Tables

Tables are sequentially numbered with the table title and number above the table. Tables should be centered in the column OR on the page. Tables should be followed by a line space (12pt). Elements of a table should be single-spaced, however double spacing can be used to show groupings of data or to separate parts within the table. Table headings should be in 10pt bold. Tables are referred in the text by the table number. eg: Table 1. Do not show vertical line in the table. There is only horizontal line should be shown within the table.

**Table 1.** Formatting Rules

Object	Font	Align-ment	Space above	Space below
Title	12pt bold	centered	0pt	12pt
Author(s)	12pt bold	centered	12pt	12pt
Ad-dresses	10pt ital-ics	centered	0pt	0pt
Heading1	12pt bold	left	12pt	12pt
Heading2	10pt bold	left	6pt	6pt
Heading3	10pt bold italics	left	3pt	3pt
Body	10pt	justified	3pt	3pt
Bullet	10pt	justified	3pt	3pt
Table title	10pt	centered	12pt	6pt
Figure title	10pt	centered	6pt	12pt

### 2.3.10. Figures

Figures are sequentially numbered commencing at 1 with the figure title and number below the figure as shown in Figure 1. Detailed recommendations for figures are as follows:

- Ensure that figures are clear and legible with typed letterings.
- Black & white or colored figures are allowed.

- If a figure spans two columns, it should be placed at the top or bottom of a page.
- Hard copy illustrations should, preferably, be scanned and included in the electronic version of the submission in an appropriate format as follows:
  - ⇒ BMP - Microsoft bitmap file
  - ⇒ WMF - Windows Metafile Format
  - ⇒ EPS - Encapsulated Postscript
- If figures cannot be scanned, the original should be placed in its location within the manuscript using wax or colorless glue.
- The following files are permissible:
  - ⇒ Microsoft Graph
  - ⇒ Microsoft Draw

Figure 1 shows an included Microsoft Draw object.

### 2.3.11. Equations

Equations should be numbered serially within parentheses as shown in Equation (1). Equation should be prepared using MS Equation Editor (not in image format). The equation number is to be placed at the extreme right side.

$$\int_0^{r_2} F(r, \varphi) dr d\varphi = [\sigma r_2 / (2\mu_0)] \cdot \int_0^\infty \exp(-\lambda |z_j - z_i|) \lambda^{-1} J_1(\lambda r_2) J_0(\lambda r_i) d\lambda. \quad (1)$$

### 2.3.12. Units, Abbreviations and Symbols

Metric units are preferred. Define abbreviations and symbols at the first time as they are introduced in the text.

### 2.3.13. Footnotes

Footnotes should be in 9pt Times Roman and placed at the bottom of the column in which they appear. Footnotes should be used sparingly. Footnote numbers in text should be in superscript.

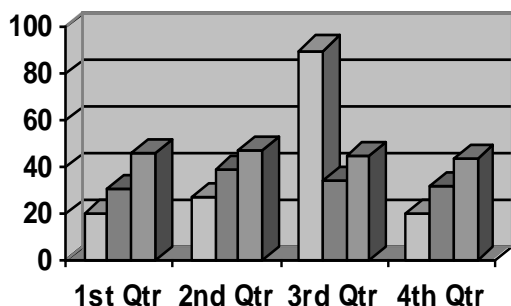


Figure 1. A Sample Chart

### 2.3.13. References

All publications cited in the text should be included as a list of references. References are sequentially numbered as they appear in the text. Reference numbers are indicated in square brackets. Authors are strictly recommended to use reference manager software (i.e. Mendeley, End Note, etc.) to prepare the citations and list of references. Please use Vancouver format for the reference list or bibliography.

Recommendations for references are:

- Include ALL authors. *et al.*, for multiple authors is not acceptable.
- When referencing in the body of text, use 10pt Times Roman in square brackets.
- Types of references are as follows:
  - ◇ For a Book, see [1]
  - ◇ For a Journal Article, see [2]
  - ◇ For a Magazine Article, see [4]
  - ◇ For a Proceedings Paper, see [5]
  - ◇ For a University Technical Report, see [6]
  - ◇ For a Dissertation or Thesis, see [7]
  - ◇ For an Internet Reference, see [8]

When preparing your reference list, the following **should be avoided**:

- References not cited in the text.
- Excessively referencing your own work.
- Insufficiently referencing the work of others.

It is also preferable when Authors give DOI number of each reference list in bracket [3], but it is optional for Authors. References list must be written consistently, whether the journal titles are written in short (i.e. *Bull. Chem. React. Eng. Catal.*) or in long format (*Bulletin of Chemical Reaction Engineering & Catalysis*).

### 3. Conclusions

Papers not prepared in accordance with these guide lines and manuscripts with number of mistakes will have to be pre-rejected by Editor. Submission of fulltext paper can be conducted by Online Electronic Submissions Interface at the following URL address:

<http://ejournal.undip.ac.id/index.php/bcrec>

Started from 2011, Editor will not receive submission by email and/or hardcopy. Currently, online version of BCREC articles in PDF format can be opened for free open access at BCREC website <http://bcrec.undip.ac.id> and / or <http://ejournal.undip.ac.id/index.php/bcrec>

### Acknowledgments ← 12pt, Times bold

You may wish to thank those who have supported you and your work.

**References ← 12pt, Times bold**

- [1] Engelmores, R., Morgan, A. eds. (1986). *Blackboard Systems*. Reading, Mass.: Addison-Wesley. ← **Book**
- [2] Robinson, A. L. (1980). New Ways to Make Microcircuits Smaller. *Science*, 208: 1019-1026. ← **Journal article**
- [3] Bhavsar, D.S., Saraf, K.B. (2002). Morphology of PbI<sub>2</sub> Crystals Grown by Gel Method. *Crystal Research and Technology*, 37: 51–55 (DOI: 10.1002/1521-4079(200202)37:1<51::AID-CRAT51>3.0.CO;2-N) ← **Journal article with DOI**
- [4] Hasling, D. W., Clancey, W. J., Rennels, G. R. (1983). Strategic Explanations in Consultation. *The International Journal of Man-Machine Studies*, 20(1): 3–19. ← **Journal article**
- [5] Clancey, W. J. (1983). Communication, Simulation, and In-telligent Agents: Implications of Personal Intelligent Machines for Medical Education. In *Proceedings of the Eighth International Joint Conference on Artificial Intelligence*, 556-560. Menlo Park, Calif.: International Joint Conferences on Artificial Intelligence, Inc. ← **Conference proceeding**
- [6] Rice, J. (1986). Poligon: A System for Parallel Problem Solving, *Technical Report*, KSL-86-19, Dept. of Computer Science, Stanford Univ. ← **Technical Report**
- [7] Clancey, W. J. (1979). Transfer of Rule-Based Expertise through a Tutorial Dialogue. *PhD Dissertation*, Dept. of Computer Science, Stanford Univ. ← **PhD or Master Thesis**
- [8] Amin, N.A.S., Istadi, I. (2012). Different Tools On Multiobjective Optimization of A Hybrid Artificial Neural Network – Genetic Algorithm for Plasma Chemical Reactor Modelling. In Olympia Roeva (Editor), *Real-World Applications of Genetic Algorithms*. InTech Publisher, Croatia. ← **Book Chapter with Editor**
- [9] Ivey, K.C. (2 September 1996). *Citing Internet sources* URL <http://www.eei-alex.com/eye/utw/96aug.html>. ← **Website**