# Template for Preparing Manuscript for International Journal of Electrical, Computer, and Information Technology

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ABSTRACT

*The abstract should be clear, concise, and descriptive. This abstract should provide a brief introduction to the problem, objective of paper, 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. non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself. Abstracts are written in 10pt Arial, preferably not more than 300 words.*

***Keywords****:  Maximum of 5 keywords separated by semicolon (;), crucial to the appropriate indexing of the papers, are to be given. eg: Artificial Intelligence; Genetic Algorithm; Fuzzy Logic. For a list of suggested keywords,visit http://www.ieee.org/documents/taxonomy_v101.pdf*

## 1.    Introduction

The Introduction should provide a clear background, a clear statement of the problem, the proposed approach or solution, the objectives of the work, the relevant and adequate literature on the subject, and the new value of research. It should be understandable to colleagues from a broad range of scientific disciplines.

This template is designed to assist Author in preparing manuscript for International Journal of Electrical, Computer, and Information Technology (IJECIT). It is an exact representation of the format expected by the editor which is download-able at http://ijecit.undip.ac.id/public/journals/1/IJECIT-Article-Template-v2016.zip. That template archive file contains three documents in MS Word, OpenOffice and PDF formats.  To use this template, please just *Save As* one of them as your document, then copy and paste your document here. This template has been carefully prepared to use Styles. To copy and paste the text to this template document, please use "Special Paste" and choose "Unformated Text".

All papers submitted to the journal should be written in good English. Authors for whom English is not their native language are encouraged to have their paper checked before submission for grammar and clarity. The work should not have been published or submitted for publication elsewhere. The official language of the manuscript to be published in IJECIT journal is English.

## 2. Materials and Methods

Materials and methods should make readers be able to reproduce the experiment. Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference, but only relevant modifications should be described. Do not repeat the details of established methods.

### 2.1 Journal Description

IJECIT journal provides a forum for publishing the original research articles, review articles from contributors, and the novel technology news related to electrical engineering, computer engineering and information technology. Scientific articles dealing with engineering of electrical (power), electronics, instrumentation and control, telecommunication, computing, informatics, etc. are welcome. IJECIT journal encompasses research articles, technical reports, reviews and short communications in engineering of electrical, computer and information technology, which cover the journal scope (http://ijecit.undip.ac.id/index.php/ijecit/about/editorialPolicies#focusAndScope).

The paper will be published in IJECIT journal after peer-reviewed process and decided "Accepted" by Editor. The final paper layout will be reproduced by Editorial Office of IJECIT journal. The final paper layout in PDF type, known as "Uncorrected Proof" should be corrected by Author. The final corrected proof will be published in IJECIT future issue.

### 2.2 General Formatting

Manuscript should be typed using word processors (Microsoft Word or Open Office) software. The font used throughout the paper is Arial. The paper size is A4 (i.e., 210 x 297 mm), one-column format. Manuscript uses two page styles, i.e. First Page and Default Style. First Page has 4 cm margin at the top, a 3 cm margin at the bottom, 2 cm margin on the left and on the right. Default Style pages has 3 cm margin at the top and at the bottom, 2 cm margin on the left and on the right.

Lines are one-half spaced, justified. Text on footer and header should be empty for each pages. Use of pronouns such as I, we, etc is to be avoided.

This template has English (USA) language setting. Word processor tools, i.e. Spelling and Grammar, Thesaurus, should be use to help checking manuscript spelling, grammar and clarity.

### 2.3 Text Formatting

This template defines several styles ready to be used for writing a manuscript: *Title*; *Authors*; *Addresses*; *AbstractTitle*; *Abstracts*; *Heading*; *Heading 1-3*; *Body*; *Table* and *Figure*. Style provides consistency in document format, including font size and its effects, numbering, paragraph indent, alignment and line spacing. Author should use these styles following this template document.

#### 2.3.1 Title

Title text format should use Title style defined as follows:
- Font: Arial, 16pt, bold, center alignment
- Single line spacing, above paragraph 5mm, below paragraf 8 mm

#### 2.3.2 Authors Name and Affiliation

Author name text format should use Authors style defined as follows:
- Font: Arial, 12pt, bold, center alignment
- Single line spacing, below paragraf 8 mm
  Authors affiliation should use Addresses style definedas follows:
- Font: Arial, 10pt, italic, center alignment
- Single line spacing

#### 2.3.3 Abstract, Abstract Title and Keywords

Abtract title (ie: ABSTRACT) should use AbstractTitle style defined as follows:
- Font: Arial, 10pt, center alignment, capital
- Single line spacing, above paragraph 5 mm, below paragraf 5mm

Abstract and keyword text format should use Abstract style defined as follows:
- Font: Arial, 10pt, italic,  justified alignment
- Single line spacing

### 2.3.4   Section Headings

Three levels of heading are allowed as follows:
- Level 1 (Heading1 style): Arial 10pt, bold, justified, above paragraph 4mm, below paragraf 4mm, numbered level 1 , eg: **1. Section**
- Level 2 (Heading2 style): Arial 10pt, bold italic, justified, above paragraph 3.5mm, below paragraf 3.5mm, numbered level 2, eg: ***1.1 Subsection***
- Level 3 (Heading3 style): Arial 10pt, italic, justified, above paragraph 3mm, below paragraf 3mm, numbered level 3, eg: *1.1.1 Subsubsection*

### 2.3.5   Acknowledgments and References Title

Acknowledgment and References title should use Heading style defined as follows:
- Font: Arial, 10pt, bold, justified
- Single line spacing, above paragraph 4mm, below paragraf 4mm, unnumbered items

### 2.3.6   Bodytext

The body of the text, ie. a set of body text paragraphs, should use Body style defined as follows:
- Font: Arial, 10pt, justified alignment
- Single line spacing
- Indentation for the first line is 1cm.

### 2.3.7   Bullets

Bullets uses Bullet style. There are two levels of allowed bulleting:
- This is the first level bullet. Indentation before text is 1cm, while for the first line is -5mm.
  - This is a sub-bullet. Indentation before text is 1.5cm, while for the first line is -5mm.

### 2.3.8   Enumerated Lists

Numbered item text uses Enumerated style. Lists are sequentially numbers as follows:
1. This is the first level list. Indentation before text is 1cm, while for the first line is -5mm.
   (a)   This is the second level list. Indentation before text is 1.5cm, while for the first line is -5mm.

### 2.3.9   Tables and Their Caption

Tables are sequentially numbered with the table caption (number and title, separated by . ) above the table. Table caption uses Table style, while its content uses Tables Contents one. Tables should be centered in the column or on the page (see Table 1). Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end.

Tables should be followed by 5mm spacing. Elements of a table should be 8pt Arial, single-spaced, however 1.5 lines spacing can be used to show groupings of data or to separate parts within the table.  Table headings should be in 8pt Arial bold. Tables are referred in the text by the table number using table cross-reference that shows Category and Number. eg: Table 1. Do not show vertical line in the table. There is only horizontal line should be shown within the table. Table top and bottom border uses 1.5pt solid line, the other uses 0.75pt.

*Table 1. Formatting rules*

| Object | Font | Alignment | Space above | Space below |
|---|---|---|---|---|
| Title | Arial, 16pt, bold | centered | 5mm | 8mm |
| Author(s) | Arial, 12pt, bold | centered | 0mm | 8mm |
| Addresses | Arial, 10pt. italic | centered | 0mm | 8mm |
| Abtracts title | Arial, 10pt, capital | centered | 5mm | 5mm |
| Abstract, keywords | Arial, 10pt, italic | justified | 0mm | 0mm |

| Heading | Arial, 10pt, bold, unnumbered | justified | 4mm | 4mm |
|---|---|---|---|---|
| Heading1 | Arial, 10pt, bold, numbered | justified | 4mm | 4mm |
| Heading2 | Arial, 10pt, bold italic, numbered | justified | 3.5mm | 3.5mm |
| Heading3 | Arial, 10pt, italic | justified | 3mm | 3mm |
| Body | Arial, 10pt, first line 1 cm indented | justified | 0mm | 0mm |
| Bullet, numbering | Arial, 10pt, before text 1cm | justified | 0mm | 0mm |
| Table and figure title | Arial, 10pt, italic | centered | 0mm | 0mm |

### *2.3.10 Figures and Their Caption*

Figures are sequentially numbered commencing at 1 with the figure title and number (figure caption) below the figure as shown in Figure 1. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.  Figure caption uses Figure style, ie. Arial, 10pt, center alignment.

Detailed recommendations for figures are as follows:

- Ensure that figures are clear and legible with typed letterings;
- Black & white or colored figures are allowed;
- Image(s) can be a single or 2-column fitting page which each image/table has a caption;
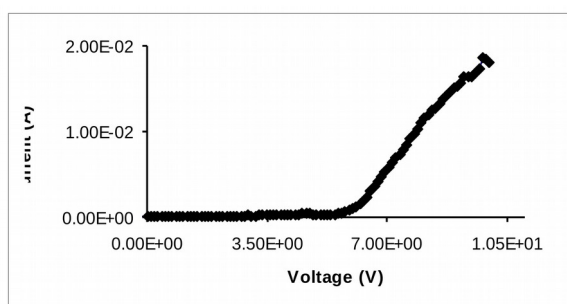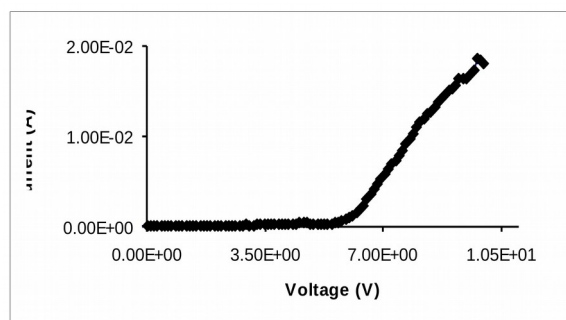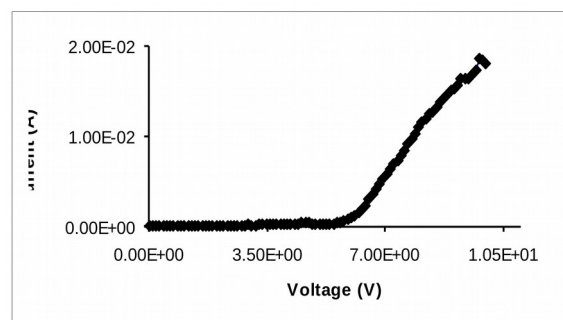- Figures should have 2mm top and bottom spacing.

*Figure 1. Example figure fitting on a page*

(a) First image (before)                    (b) Second image (after)
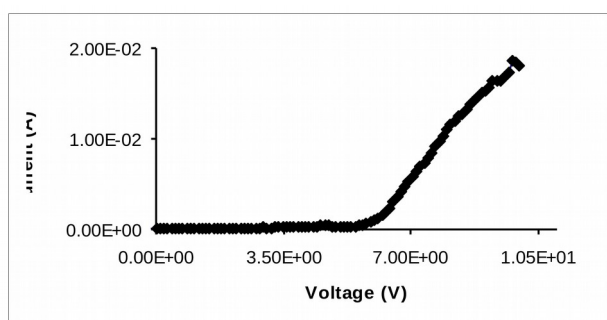
*Figure 2. Example joining two images in one figure*
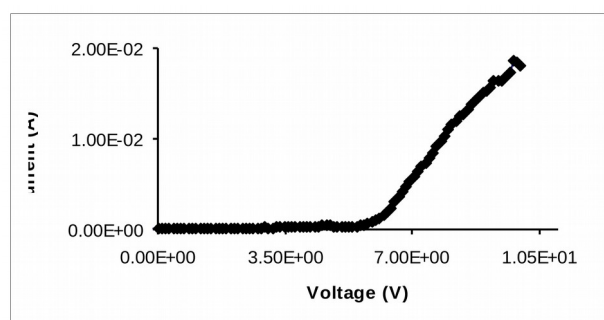
*Figure 4. A half- single image*                    *Figure 3. The other half- single image*

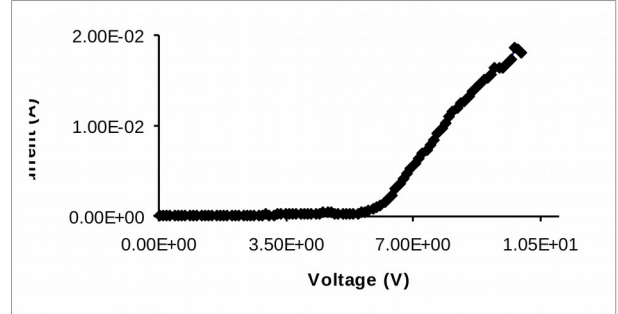| Table 2. Short table combined with figure | | |
|---|---|---|
| **Month** | **Consumption [kWh]** | **Costs [USD]** |
| January | 10.5 | 2000 |
| February | 11.0 | 2500 |
| March | 7.8 | 1400 |
| April | 4.5 | 1050 |



*Figure 5. The other half- single image*

### 2.3.11 Equations

Equations should be numbered serially within parentheses as shown in (1). Equation should be prepared using MS or OpenOffice Equation Editor (not in image format). The equation number is to be placed at the extreme right side. To place equation in text, refer to "(1)," not "Eq. (1)" or "equation (1)," except at the beginning of a sentence: "Equation (1) is ... ."

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

### 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.

## 3. Results and Discussion

This section explains the results of research and combines the comprehensive discussion to explore of the significance of the results of the work. Results can be presented in figures, graphs, tables and others and should be clear and concise. Avoid extensive citations and discussion of published literature.

### 3.1 Article Structure

Manuscript content should, in general, be organized in the following order: *Title; Authors Name; Authors Affiliation; Abstract; Keywords; Introduction; Materials and Methods; Results and Discussion; Conclusions; Acknowledgments; and References*.

### 3.1.1 Paper Title

This is your opportunity to attract the reader's attention. Remember that readers are the potential authors who will cite your article. Titles are often used in information-retrieval systems. Identify the main issue of the paper. Begin with the subject of the paper. The title should be accurate, unambiguous, specific, and complete. Do not contain infrequently-used abbreviations.

### 3.1.2 Authors Name and Affiliations

Write Author(s) names without title and professional positions such as Prof, Dr, Production Manager, etc. Do not abbreviate your last/family name. Always give your First and Last names.

Write clear affiliation of all Authors. Affiliation includes: name of department/unit, (faculty), name of university, address, country. Please indicate Corresponding Author (include email address) by adding asterisk (*) in superscript behind the name.

### 3.1.3 Abstract and Keywords

Abstract should stand alone, means that no citation in abstract. Consider it as advertisement of your article. Abstract should tell the prospective reader what you did and highlight the key findings. Avoid using technical jargon and uncommon abbreviations. Abstract must be accurate, brief, clear and specific. Use words which reflect the precise meaning, Abstract should be precise and honest. Please follow word limitations (100-300 words).

Keywords are the labels of your manuscript and critical to correct indexing and searching. Therefore the keywords should represent the content and highlight of your article. Use only those abbreviations that are firmly established in the field. Refer to [http://www.ieee.org/documents/taxonomy_v101.pdf](http://www.ieee.org/documents/taxonomy_v101.pdf) for keyword suggestion. Each words/phrase in keyword should be separated by a semicolon (;), not a comma (,).

### 3.1.4 Introduction

In Introduction, Authors should state the objectives of the work at the end of introduction section. Before the objective, Authors should provide an adequate background, and very short literature survey in order to record the existing solutions/method, to show which is the best of previous researches, to show the main limitation of the previous researches, to show what do you hope to achieve (to solve the limitation), and to show the scientific merit or novelties of the paper. Avoid a detailed literature survey or a summary of the results.

### 3.1.5 Materials and Methods

Materials and methods should make readers be able to reproduce the experiment. Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference: only relevant modifications should be described. Do not repeat the details of established methods.

### 3.1.6 Results and Discussion

Results should be clear and concise. The results should summarize (scientific) findings rather than providing data in great detail. Please highlight differences between your results or findings and the previous publications by other researchers.

The discussion should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

In discussion, it is the most important section of your article. Here you get the chance to sell your data. Make the discussion corresponding to the results, but do not reiterate the results. Often should begin with a brief summary of the main scientific findings (not experimental results). The following components should be covered in discussion: How do your results relate to the original question or objectives outlined in the Introduction section (what)? Do you provide interpretation scientifically for each of your results or findings presented (why)? Are your results consistent with what other investigators have reported (what else)? Or are there any differences?

### 3.1.7 Conclusions

Conclusions should answer the objectives of research. Tells how your work advances the field from the present state of knowledge. Without clear Conclusions, reviewers and readers will find it difficult to judge the work, and whether or not it merits publication in the journal. Do not repeat the Abstract, or just list experimental results. Provide a clear scientific justification for your work, and indicate possible applications and extensions. You should also suggest future experiments and/or point out those that are underway.

### 3.1.8 Acknowledgment

Recognize those who helped in the research, especially funding supporter of your research. Include individuals who have assisted you in your study: Advisors, Financial supporters, or may other supporter i.e. Proofreaders, Typists, and Suppliers who may have given materials.

### 3.1.9 References

Cite the main scientific publications on which your work is based. Cite only items that you have read. Do not inflate the manuscript with too many references. Avoid excessive self-citations. Avoid excessive citations of publications from the same region. Check each reference against the original source (authors name, volume, issue, year, DOI Number). Please use Reference Manager Applications like EndNote, Mendeley, Zotero, etc. Use other published articles in the same journal as models.

All publications cited in the text should be included as a list of references. References are written in Vancouver style. References are sequentially numbered as they appear in the text. Reference numbers are indicated in square brackets. Please ensure that every reference cited in the text is also present in the reference list (and vice-versa). Any references cited in the abstract must be given in full. Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text. If these references are included in the reference list they should follow the standard reference style of the journal and should include a substitution of the publication date with either "Unpublished results" or "Personal communication". Citation of a reference as 'in press' implies that the item has been accepted for publication.

As a minimum, the full URL should be given and the date when the reference was last accessed. Any further information, if known (DOI, author names, dates, reference to a source publication, etc.), should also be given. Web references can be listed separately (e.g., after the reference list) under a different heading if desired, or can be included in the reference list. References list must be written consistently, whether the journal titles are written in short (i.e. Int.J.Electr.Comput.Inf.Technol.) or in long format (International Journal of Electrical, Computer, and Information Technology). For short title of journals, please follow the standard here: http://www.efm.leeds.ac.uk/~mark/ISIabbr/J_ abrvjt.html.

This journal has standard templates available in key reference management packages EndNote (http://www.endnote.com/support/enstyles.asp), Reference Manager (http://refman.com/support/rmstyles.asp), or Mendeley (http://www.mendeley.com). Using plug-ins to word processing packages, authors only need to select the appropriate journal template when preparing their article and the list of references and citations to these will be formatted according to the journal style, which is described below.

Recommendations for references are:

- Include ALL authors. et.al., for multiple authors is not acceptable.
- It is also preferable when Authors give reference DOI number at the end of each reference list.
- Types of references are as follows:
  - For a journal article, see [1]
  - For a book, see [2]
  - For a chapter in a book, see [3]
  - For a proceedings paper, see [4]
  - For a dissertation or thesis, see [5]
  - For a patent, see [6]
  - For a standards, see [7]
  - For a technical report, see [8]
  - For an Internet Reference (should be avoided), see [9]

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.

## 3.2 Section Policies

The IJECIT manuscripts are classified into four categories/sections, i.e. Original Research Articles, Technical Reports, Review Articles, and Short Communication.

### 3.2.1 Articles (A research-oriented papers)

The manuscript of the papers must meet the following requirement:

1. The material should present original and important academic contributions to the fields of study covered by the IJECIT;
2. The manuscript should clearly state the scope and purpose;

3. The information should be well organized and be presented objectively;
4. The conclusions should be adequately supported **.**

### 3.2.2 Technical Reports (An application-oriented papers)

The manuscript of the reports must meet the following requirements:
1. The material should present original and important contributions to the research applications in the fields of study covered by the IJECIT;
2. It should emphasize the application of engineering knowledge and skills;
3. The information should be well organized and be presented objectively, and the scope and purpose should be clearly stated;
4. The conclusions should be useful for easy adaptation by others;
5. The case study based on certain interesting projects should be reported in this category.

### 3.2.3 Reviews

Reviews are papers dealing with all scientific and technological aspects in electrical, computer and information technology. Authoritative and critical reviews of the current state of knowledge are preferred.

### 3.2.4 Short Communications

Short communications are concise but complete explanation of limited investigation on the update topics in the fields of electrical, computer and information technology.

## 3.3 Guidelines for Online Submission

Author must have an IJECIT account to submit an article online. Author can register him/herself as Author through the following address: http://ijecit.undip.ac.id/index.php/ijecit/user/register. Author should fulfill the form as detail as possible where the star marked form must be entered. Ensure that Author checkbox is checked. After all form textbox was filled, Author clicks on "Register" button to proceed the registration.

After login, Author is brought to his/her UserHome interface where Author should click on "New Submission" to submit an article. In the Start a New Submission section, click on "Click Here: to go to step one of the five-step submission process".

Alternatively, Author can click "Submit an Article" button on top-right menu.

The following are five steps in online submission process:
1. Step 1 - Starting the Submission: Select the appropriate section of journal, i.e. Original Research Articles, Technical Reports, Review Article, or Short Communication. Thus, author must check-mark on the submission checklists. Author may type or copy-paste Covering Letter in Letter to Editor which outlines the basic findings of the paper and their significance.
2. Step 2 – Uploading the Submission: To upload a manuscript to this journal, click "Browse" on the Upload submission file item and choose the manuscript document file (.doc/.docx/.odt) to be submitted, then click "Upload" button until the file has been uploaded.
3. Step 3 – Entering Submission's Metadata: In this step, detail authors metadata should be entered including marked corresponding author. After that, manuscript title and abstract must be uploaded by copying the text and paste in the textbox including keywords.
4. Step 4 – Uploading Supplementary Files: Supplementary file should be uploaded including Signed Copyright Transfer Agreement Form. Therefore, click on "Browse" button, choose the files, and then click on "Upload" button.
5. Step 5 – Confirming the Submission: Author should final check the uploaded manuscript documents in this step. To submit the manuscript to IJECIT journal, click "Finish Submission" button after the documents is true. The corresponding author or the principal contact will receive an acknowledgement by email and will be able to view the submission's progress through the editorial process by logging in to the journal web address site.

After this submission, Authors who submit the manuscript will get a confirmation email about the submission. Therefore, Authors are able to track their submission status at anytime by logging in to the online submission interface. The submission tracking includes status of manuscript review and editorial process.

### 3.4 Reviewing and Revision of Manuscripts

Every submitted paper is independently reviewed by at least two peer-reviewers. Decision for publication, amendment, or rejection is based upon their reports/recommendation. 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 two months of the submission date.

Manuscripts sent back to the authors for revision should be returned to the editor without delay. Revised manuscripts can be sent to editorial office through the Online Submission Interface (http:/ijecit.undip.ac.id). The revised manuscripts returned later than three months will be considered as new submissions.

### 3.5 Author Fee (Page Charge)

IJECIT journal is an open access international journal. Author manuscript submission is free of charge. Readers can read and download any full-text articles for free of charge.

### 4. Conclusions

Conclusions should answer the objectives of research. Tells how your work advances the field from the present state of knowledge. Without clear Conclusions, reviewers and readers will find it difficult to judge the work, and whether or not it merits publication in the journal. Do not repeat the Abstract, or just list experimental results. Provide a clear scientific justification for your work, and indicate possible applications and extensions. You should also suggest future experiments and/or point out those that are underway.

Papers not prepared in accordance with these guidelines and manuscripts with number of mistakes will have to be pre-rejected by Editor. Editor will not receive submission by email and/or hardcopy. Currently, online version of IJECIT articles in PDF format can be opened for free open access at IJECIT website http://ijecit.undip.ac.id.

### ACKNOWLEDGMENTS

### REFERENCES

[1]  Casadei D, Serra G, Tani K. Implementation of a Direct Control Algorithm for Induction Motors Based on Discrete Space Vector Modulation. IEEE Transactions on Power Electronics. 2007; 15(4): 769-777.
[2]  Ward J, Peppard J. Strategic planning for Information Systems. Fourth Edition. West Susse: John Willey & Sons Ltd. 2007: 102-104.
[3]  Mettam GR, Adams LB. How to prepare an electronic version of your article. In: Jones BS, Smith RZ, editors. Introduction to the electronic age. New York: E-Publishing Inc.  2009: 281–30.
[4]  Clancey, W.J. Communication, Simulation, and Intelligent Agents: Implications of Personal Intelligent Machines for Medical Education. Eighth International Joint Conference on Artificial Intelligence. Menlo Park, Calif.. 1983: 556-560.
[5]  Rusdi, M.A. Novel Fuzzy ARMA Model for Rain Prediction in Surabaya. PhD Thesis. Surabaya: Postgraduate ITS. 2009.
[6]  Ahmad LP, Hooper A. The Lower Switching Losses Method of Space Vector Modulation. CN103045489 (Patent). 2007.
[7]  IEEE Standards Association. 1076.3-2009. IEEE Standard VHDL Synthesis Packages. New York: IEEE Press. 2009.
[8]  James S, Whales D. The Framework of Electronic Government. US Dept. of Information Technology. Report number: 63. 2005.
[9]  Cancer Research UK. Cancer statistics reports for the UK, http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/. 2003 [accessed 13.03.03].