

JOURNAL OF MATHEMATICS AND SCIENCE TEACHING (JPMIPA)

PUBLISHED BY

FACULTY OF MATHEMATICS AND SCIENCE EDUCATION UNIVERSITAS PENDIDIKAN INDONESIA
AND INDONESIAN SOCIETY FOR SCIENCE EDUCATORS

GUIDELINE FOR AUTHOR(S)

This document is a guide for potential authors who want to publish their articles on Journal of Mathematics and Science Teaching or Jurnal Pengajaran Matematika dan Ilmu Pengetahuan Alam (JPMIPA). Before submitting the article you must understand the rules in JPMIPA.

BEFORE SUBMITTING YOUR ARTICLE

Before you submit your article to JPMIPA, you have to ENSURE that three key requirements are met and understood.

- 1) JPMIPA is a scientific journal that publishes original articles derived from the results of mathematics and science education research. Articles that are neither original articles nor literary study articles cannot be published in JPMIPA. (**Is your article an original work? Is your article a quantitative and / or qualitative research result?**)
- 2) Articles that can be published in JPMIPA are articles that have not been published in any media (Oral Seminar / poster / proceedings seminar). (**Has your article been published in any publication media?**)
- 3) All articles submitted to JPMIPA will be thoroughly reviewed so that the process from starting article submission until it can be published in JPMIPA may take a long time. (**Are you willing to undergo review and revision process?**)

PREPARATION

If the three main requirements are met and understood, then you can begin preparing your article in accordance with writing procedures in JPMIPA.

- 1) The title should reflect the content. If the article comes from a thesis / dissertation research, make sure that the title reflects the content of your article, and does NOT reflect the content of your thesis / dissertation.
- 2) Write down affiliation information (name and address) and correspondence email under title.
- 3) Articles are written in Indonesian or English using MS Word, 1 space, Times New Roman 11, 1 inch margin on each side. Maximum length of all articles (including images, tables, and reference list is 15 pages.

- 4) Articles must be supplemented with abstracts in Indonesian and English in Times New Roman 9, consisting of a maximum of 200 words, and 4-6 words of keywords placed under the abstract.
- 5) Article's systematic are:
 - i. Introduction. Contain, but not divided into a different sub title: research background, problem and objectives. Reference Rules: Background should discuss relevant research results (journal articles are preferred); The use of books as references is still allowed but for merely 15% of the overall references; Avoid the use of Internet references (blogs, Wikipedia, etc.); All reference must be primary reference, avoid the use of secondary reference (A in B); TNR 11.
 - ii. Methods. Describe research material, methods, procedure(s), and data analysis. Reference Rules still applied. TNR 11.
 - iii. Results and Discussion. Contain an elaborate research result in which results are discussed by compared it to other previous research results (journal articles) so that clear implication(s) can be addressed. Reference Rules still applied. Put tables and graphs in different word file titled Author-TableandGraph, for example: Ahmed et al.-TableandGraph. TNR 11.
 - iv. Conclusion. Conclusion must be stated in brief paragraph but with the outmost clarity. Recommendation (if any) can be stated here. TNR 11
- 6) The Bibliography is written and prepared based on the applicable Writing Guidelines at JPMIPA (Appendix I).
- 7) The primary reference resources and reference ratio of journal articles are at least 80%. Quotation and quotation citation are adapted to the applicable writing guidelines at JPMIPA (Appendix I). In addition, all articles to be published in JPMIPA are required to cite / refer to articles previously published by JPMIPA.
- 8) Table example is as follows.

Table 1. The Number of Physics Teachers in West Java

| No. | City | Total |
|-----|-------------|-------|
| 1. | Bandung | 50 |
| 2. | Cianjur | 40 |
| 3. | Tasikmalaya | 30 |
| 4. | Subang | 20 |

- 9) Graph example is as follows.

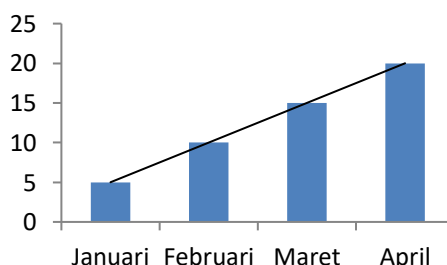


Figure 1. Number of Students in 2015 Q1
(make sure that *shape outline* is no outline)

- 10) If the article includes a photo, include the original photo and if it came from another source, include the source under the caption. How to write a photo that is not a result of personal documentation is as follows.

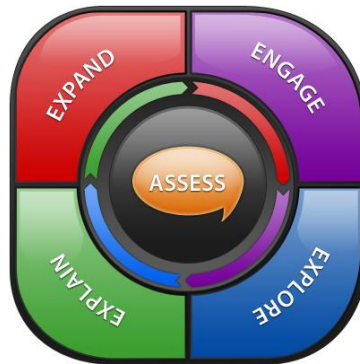


Figure 2. Learning Cycle

(Source: <http://www.ohiorc.org/pm/images/LearningCycle.jpg>)

- 11) If formulas are included in the article, the formula is written using the Equation Editor and numbered with Arabic numerals in parentheses (1), (2), ... etc

REGISTRATION

Register at <http://journal.fpmipa.upi.edu/index.php/jpmipa/user/register> and send Writer Information to jpmipa@upi.edu.

REVIEW PROCESS

Each article will be reviewed (reviewed) by at least four (4) experts in their field. Review results as well as comments will be sent to the author's email address. Therefore, monitor your email regularly. At this stage, the author is expected to earnestly improve the quality of the article so that it can be published in JPMIPA.

AFTER PAPER IS ACCEPTED

Author has to contribute to open access and production cost (Article Processing Charge, APC) IDR. 1.000.000,- or approximately USD 76, if article is accepted for publication in JPMIPA

APPENDIX I

A. Citation Guideline

Citation guideline for JPMIPA is based on Publication Manual of the American Psychological Association sixth edition, so please refer to APA for how to cite a source. However, there are rules that we decided to modify.

- 1) Although APA document stated that secondary citation (Source X in Source Y) is allowed, we advise author to refrain from using secondary citation.
- 2) Although APA document stated that citing anonymous sources are allowed, we advise author to not citing anonymous sources.
- 3) Citation other from books, journal articles, and publication/document/official report has to be minimized. If citing internet source is inevitable, ensure that the source is from a verified website of official institution/agency

B. Citation Examples

1) Journal article

Bell, B. (1985) Students' Ideas About Plant Nutrition: What Are They? *Journal of Biological Education*, Vol. 19, hlm. 213-218.

Berthelsen, B. (1999). Students' Naive Conception in Life Science. *Michigan Science Teachers Association Journal*, Vol. 44, No. 1, hlm. 13-19.

2) Books

Lang, H.R., dan Evans, D.N. (2006). *Models, Strategies, and Methods for Effective Science Teaching*. Boston: Pearson Education, Inc.

Lawson, A.E. (1995). *Science Teaching and the Development of Thinking*. California: Wadsworth Publishing Company.

3) Seminar/Conference

Lavoie, D.R. (1997) Using a modified concept mapping strategy to identify students' alternative scientific understandings of biology. Paper at National Association for Research in Science Teaching, Annual meeting at Chicago, IL, March 21-24.

4) Internet Source

Ruhf, R.J. (2003). An Overview of conceptual Change Research. [Online]. http://www.x98ruh.net/conceptual_change.pdf