

**The Writing Format of JPPI
(Jurnal Penelitian dan Pembelajaran IPA)**

1. The manuscript is an original script relating to the development of science and technology in the field of science learning (chemistry, physics, biology, and science) in the form of the research results and has not been published either inside or outside the country. The manuscript is written in Indonesian with 1.5 spaces, 8-20 pages in A4 paper size with the times new roman font 11. The manuscript is submitted to <http://jurnal.untirta.ac.id/index.php/JPPI/index> or sent to email jppi@untirta.ac.id or jppiuntirta@gmail.com.
2. The title of the manuscript describes the subject matter of the essay, written in a briefly and clearly, not more than 12 words with the times new roman font 12.
3. The author's name is accompanied by a foot note about the profession and the institution where the author works with the times new roman font 10, bold and the name should not be shortened.
4. The abstract of manuscript is typed one space, not more than 200 words in Indonesian and English with the times new roman font 11. The abstract contains the main issues, research objectives, methods/approaches and the research results.
5. The Introduction includes background issues as well as benefits and rationalization of activities (research or devotion). The objectives of the activity and problem-solving plan are presented in this section as well as the research which relevant to that manuscript with the times new roman font 11.
6. The research method describes the design of activities, scope or objects, materials and main tools, places, the techniques of data collection, operational definitions of research variables, and analysis techniques with the times new roman font 11.
7. The results and discussion present the results of the research. The results of the study can be completed with tables, graphs (drawings), and or charts with a maximum number of 6. The discussion section presents the results of data processing, interpreting the findings logically, linking them with reference sources which relevant to that manuscript with the times new roman font 11.
8. The conclusion contains a brief summary of the results of research and discussion with the times new roman font 11.
9. Suggestion may be written or not, the suggestion is given to the readers which written based on the findings in research.
10. Acknowledgment may be written or not, the acknowledgments is the author's gratitude to the promoter team/advisory team, and those who have helped in research and funders.
11. The authors are advised to cited at least one article of the article contained in Jurnal Penelitian dan Pembelajaran IPA (JPPI) in the submitted manuscript.
12. The writing of references using Harvard Referencing Standard system. Everything listed in the bibliography should be referred to in the manuscript. The updated reference is recommended for the last 10 years with the times new roman font 11 and the list of references used at least 80% is the primary source/journal article. The reference manager is recommended such as mendeley.

A. Books

The 1st author, The 2nd author, etc (Last name, first name is abbreviated) the year of publication, The title of the article, *The title is written in Italics form*, Publisher, Place of Publication.

Example : Sugiyono 2011, *Metode Penelitian Kuantitatif, Kualitatif dan R & D*, Alfabeta. Bandung.

B. Journal Articles

The 1st author, The 2nd author & etc (Last name, first name is abbreviated) the year of publication, 'the title of article', *The journal name is written in Italics form*, vol., no., page number(s)

Example : Tuan, HL, Chin, CC & Shieh, SH 2005, 'The development of a questionnaire to measure students' motivation towards science learning', *Journal of Science Education*, vol. 27, no. 6, pp. 639-54.

C. Proceedings of the Seminar/Conference

Author Surname, Initial(s) year of publication, 'Title of paper', in (Initial and Surname of editors), *Title of published proceedings which may include place held and date*, Publisher, Place of Publication, page number(s)

Example : Wilde, S & Cox, C 2008, 'Principal factors contributing to the competitiveness of tourism destinations at varying stages of development', in S Richardson, L Fredline, A Patiar & M Ternel (eds.), *CAUTHE 2008: Where the 'bloody hell' are we?*, Griffith University, Gold Coast, Qld, pp. 115-8.

D. Thesis

Author (Last name, first name is abbreviated) the year of publication, 'the title', DBA/MBA/PhD thesis. University, City.

Example : El Islami, RAZ 2013, 'Pembelajaran Inkuiri Terbimbing untuk Meningkatkan Literasi Sains dan Kepercayaan Diri Siswa pada Konsep Asam Basa', MPD thesis, Universitas Pendidikan Indonesia, Bandung.

E. The Referral Resources from Website

Author (Last name, first name is abbreviated) the year of publication, the title, Date Accessed, <The Address of Uniform Resources Locator (URL)>

Example : Beard, M 2006, The fall of the Roman Republic, viewed 30 January 2011, <http://www.bbc.co.uk/history/ancient/romans/fallofromanrepublic_article_01.shtml>.

13. The Writing of Formulas, Tables, and Drawings follow the following guidelines:

A. The Writing of Formulas

The mathematical formula is clearly written with Microsoft Equation or other similar applications and is numbered like the following example.

$$C = \sqrt{x^2} \sum_{n=1}^N x_n \quad (1)$$

B. The Writing of Tables

The tables are numbered in the order in which they are presented (Table 1, etc.), without the right or left border. The table title is written at the top of the table in alignment with the Table as shown below.

Table 1 The Research Design

Group	Pretest	Treatment	Posttest
Experiment	O ₁	X ₁	O ₂
Control	O ₁	X ₂	O ₂

C. Figures

The images are numbered in the order in which they are presented (Fig. 1, etc.). The image title is placed underneath the image with the center justified position as the following example.

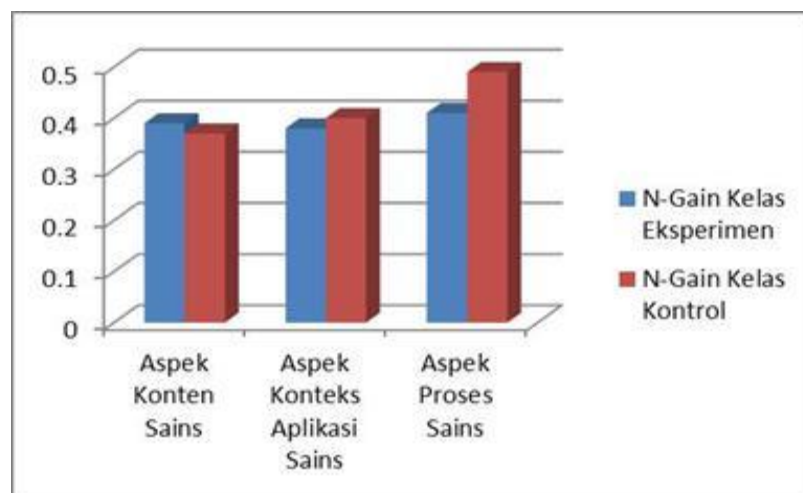


Figure 1 The Comparison of N-Gain's Average Scores on Any Aspect of Science Literacy of Students

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