

Manuscript Title (Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible)

Book Antiqua 18pt Bold, Space 1, Justify

First Author^{1*}, Second Author², Third Author³, Fourth Author³

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¹ Affiliation (Department Name), Name of Organization, City, Country

² Affiliation (Department Name), Name of Organization, City, Country

³ Affiliation (Department Name), Name of Organization, City, Country

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Author Name*:

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Abstract: A concise and factual abstract is required (maximum length 250 words). The abstract should state briefly the purpose of the research, the principal results, and major conclusions. An abstract is often presented separate from the article, so it must be able to stand alone. References should, therefore, be avoided, but if essential, they must be cited in full, without reference to the reference list. Non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

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Keywords: Immediately after the abstract, provide a maximum of five keywords, avoiding general and plural terms and multiple concepts (avoid, for example, 'and', 'of'). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

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How to Cite:

Example: Susilawati, S., Doyan, A., Muliyadi, L., & Hakim, S. (2019). Growth of tin oxide thin film by aluminum and fluorine doping using spin coating Sol-Gel techniques. *Journal of Material Science and Radiation*, 1(1), 1-4. <https://doi.org/10.29303/jppipa.v1i1.264>

Introduction

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State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

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Method

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Research design and method should be clearly defined.

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Result and Discussion

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Results should be clear and concise. 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.

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Conclusion

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The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section

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Acknowledgments

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Place acknowledgments, including information on grants received, before the references, in a separate section, and not as a footnote on the title page

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Author Contributions

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For research articles with several authors, a short paragraph specifying their individual contributions must be provided. The following statements should be used "Conceptualization, X.X. and Y.Y.; methodology, X.X.; software, X.X.; validation, X.X., Y.Y. and Z.Z.; formal analysis, X.X.; investigation, X.X.; resources, X.X.; data curation, X.X.; writing—original draft preparation, X.X.; writing—review and editing, X.X.; visualization, X.X.; supervision, X.X.; project administration, X.X.; funding acquisition, Y.Y. All authors have read and agreed to the published version of the manuscript." Please turn to the [CRediT taxonomy](#) for the term explanation. Authorship must be limited to those who have contributed substantially to the work reported.

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Funding

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Please add: "This research received no external funding" or "This research was funded by NAME OF FUNDER, grant number XXX" and "The APC was funded by XXX". Check

carefully that the details given are accurate and use the standard spelling of funding agency names at <https://search.crossref.org/funding>. Any errors may affect your future funding.

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Conflicts of Interest

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Declare conflicts of interest or state "The authors declare no conflict of interest." Authors must identify and declare any personal circumstances or interest that may be perceived as inappropriately influencing the representation or interpretation of reported research results. Any role of the funders in the design of the study; in the collection, analyses or interpretation of data; in the writing of the manuscript; or in the decision to publish the results must be declared in this section. If there is no role, please state "The funders had no role in the design of the study; in the collection, analyses, or interpretation of data; in the writing of the manuscript; or in the decision to publish the results"

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References

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Guideline for bibliography in Journal of Material Science and Radiation is as follows:

1. References must be the same as citations
2. Minimum 30 references for research article and 50 references for Literatur Review, 80% of them are primary references such as journal articles, conference proceedings, and thesis/dissertation.
3. The references must be last 10 years
4. The authors are highly encouraged to use reference manager such as Mendeley, Zotero, EndNote, and others
5. The references applies *APA 7th Edition* (American Psychological Association). Further read about APA is available here <https://apastyle.apa.org/>

Examples of references and citation

More than 3 authors

First citation (Bishop, FitzSimons, Seah, & Clarkson, 2018) or Bishop, FitzSimons, Seah, & Clarkson (2018)

After first citation (Bishop et al., 2018) or Bishop et al. (2018)

Bishop, A., FitzSimons, G., Seah, W.T., & Clarkson, P. (2018). *Values in mathematics education: Making values teaching explicit in the mathematics classroom*. Paper presented at the AARE Annual Conference, Melbourne.

Conference Proceedings

Citation (Clark, 2018) or Clark (2018)

Clark, K.M. (2018). Voices from the field: incorporating history of mathematics in teaching. *Proceedings of the Seventh Congress of the European Society for Research in Mathematics Education (7th CERME)*, Rzeszow - Poland, 1640-1649.

Translated Books

First citation (Marks, Hiatt, & Neufeld, 2017) or Marks, Hiatt dan Neufeld (2017)

After first citation (Marks et al., 2017) atau Marks et al. (2017)

Marks, J.L., Hiatt, A.A. & Neufeld, E.M. (2017). *Metode Mengajar Matematika untuk Sekolah Dasar* (Terjemahan oleh Bambang Sumantri). Jakarta, Indonesia: Penerbit Erlangga.

Books with Editor/s

Fauvel, J., & Maanen, J.Y. (Eds.). (2018). *History in Mathematics Education: The ICMI Study*. Dordrecht, Netherland: Kluwer Academic Publishers.

Books with Three Authors

Riedesel, C.A., Schwartz, J.E. & Clements, D.H. (2015). *Teaching Elementary School Mathematics*. Boston, USA: Allyn & Bacon.

Book Chapters

Tzanakis, C., & Arcavi, A. (2015). Integrating history of mathematics in the classroom: An analytic survey. In J. Fauvel, & J. van Maanen (Eds.), *History in Mathematics Education* (pp. 201-240). The ICMI Study. Dordrecht: Kluwer Academic Publishers.

Web Articles

Fauvel, J. (2017). *The role of history of mathematics within a university mathematics curriculum for the 21st century*. Retrieved from <http://www.bham.ac.uk/ctimath/talum/newsletter>

Hughes, B. (2011, August). *Completing the Square-Quadratic using addition*. Retrieved from <http://www.maa.org/press/periodicals/convergence/completing-the-square-quadratics-using-addition>

O'Connor, J.J. & Robertson, E.F. (2018), July. Abu Ja'far Muhammad ibn Musa Al-Khwarizmi. Retrieved from <http://www-history.mcs.st-and.ac.uk/history/Biographies/Al-Khwarizmi.html>

Journal with Online Access

Goodwin, D.M. (2018). The importance of mathematics teachers knowing their mathematics history. *The Journal for Liberal Art and Science*, 14(2), 86-90. Retrieved from <http://www.oak.edu/academics/school-arts-sciences-jlas-archive.php#Fa2019>

Panasuk, R.M & Horton, L.B. (2018). Integrating history of mathematics into curriculum: what are the chances and constraints? *International Electronic Journal of Mathematics Education*, 7(1), 3-20. Retrieved from <http://www.iejme.com/makale/284>

Journal with DOI

Susilawati, S., Doyan, A., Mulyadi, L., & Hakim, S. (2019). Growth of tin oxide thin film by aluminum and fluorine doping using spin coating Sol-Gel techniques. *Jurnal Penelitian Pendidikan IPA*, 6(1), 1-4. <https://doi.org/10.29303/jppipa.v6i1.264>

Thesis/Dissertation

Jankvist, U.T. (2009). *Using History as a Goal in Mathematics Education* (Master thesis). Roskilde University, Denmark. Retrieved from <http://milne.ruc.dk/imfufatekster/pdf/464.pdf>

Hamidi, Jufri, A.W., Karta, I.W. (2016). *Effect of Quality of Work Life and Job Satisfaction to Job Performance of Senior High School Teacher in Mataram City* (Unpublished master thesis). Universitas Mataram, Indonesia.

Conference/Seminary Papers

Lawrence, S. (2008). *History of mathematics making its way through the teacher networks: professional learning environment and the history of mathematics in mathematics curriculum*. Paper presented at 10th ICME, Mexico.

NOTE

Table:

The tables must be written in *space 1 and 9pt*. The table format used in this journal article is as below:

Table 1. Format of Table (10 pts TNR; space 1.0)

Fraksi	Fase Gerak	Rf Spot-1
1	n-heksan : etil asetat (7 : 3)	0.62

Fraksi	Fase Gerak	Rf Spot-1
2	n-heksan : etil asetat (6 : 4)	0.51
3	n-heksan : etil asetat (6 : 4)	0.40
4	n-heksan : etil asetat (6 : 4)	0.40

Equations

The equations must use *equation feature* in **Microsoft Word**, not an image. The equation should be numbered as follows

$$r_{11} = \left(\frac{n}{n-1}\right)\left(\frac{s^2 - \sum pq}{s^2}\right)$$

(1)

Graphs

The graphs must be like the following format

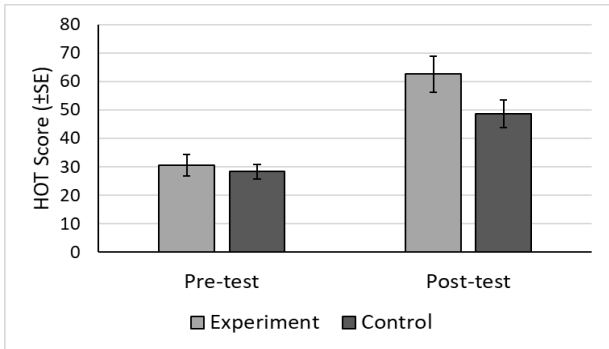


Figure 1. Attached figure in article

Figure

The figures must be arranged as example below:



Figure 2. Attached figure in article