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Abstract: *Research has been conducted on the effect of Multi Leaf Collimator (MLC) on the dose received by the head of brain cancer patients at Sanglah Hospital, Denpasar. This analysis aims to determine the effect of using MLC on dosing to brain cancer patients using Cobalt 60 (Co-60) teletheraphy. The dose given at TPS was 200 cGy but after using MLC the dose was received because MLC protects healthy organs around the irradiation field. If the dose given is still within the range of −5 % and +7 %, it is still acceptable. The amount of radiation dose that can be reduced by using MLC in this study was 1,35 % for brain cases and 0,12 % for Glioblastoma cases. Book Antiqua 9pt, Space 1, Justify*

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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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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References

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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., Muliyadi, 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

Tabel:

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

Tabel 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
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

$$r11 = \left(\frac{n}{n-1}\right)\left(\frac{S^2-\sum pq}{S^2}\right) \quad (1)$$

Graphs

The graphs must be like the following format

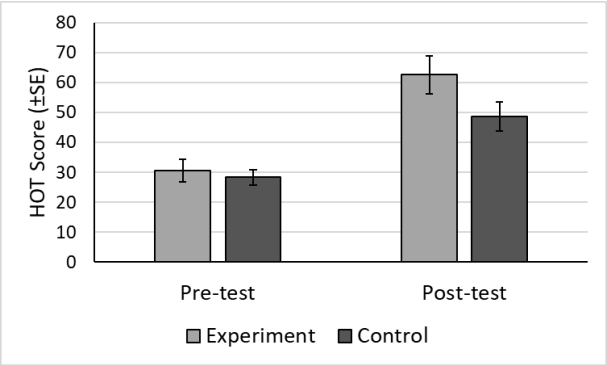


Figure 1. Attached figure in article

Figure

The figures must be arranged as example below:



Figure 2. Attached figure in article