



Article Title: Concise and Informative, Maximum 14 Words (Times New Roman, 16 pt, Bold)

Author One¹, Author Two², and Author Three³ (without academic titles, Times new roman, 11 pt, regular)

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Abstract:

Provide an English-language abstract of 150–200 words in one paragraph. Clearly state the study objective, methods, major findings, and principal conclusion, emphasizing the contribution to the relevant scientific field. Use Times New Roman, 10 pt, single line spacing, and italic type as specified in the original template. (Times new roman, 10 pt, regular)

Keywords: Provide 3–5 keywords or short phrases in alphabetical order, separated by semicolons.

1. Introduction

The Journal of BiGME publishes original scholarly research in biology, geology, materials science, and energy. The journal provides a platform for researchers to disseminate scientific findings and supports the development of the Centre of Excellence for Bio-Geo Materials and Energy (PUI BiGME). Submitted manuscripts must present original work that has not previously been published elsewhere. The Introduction should establish the research background, identify the knowledge gap or research problem, and clearly state the objectives and significance of the study.

In-text citations must clearly identify the source and publication year, with page numbers where appropriate. For example, previous research reported that certain plant species growing on former mining sites have the potential to remediate heavy-metal contamination (Sekara et al., 2005).

Present the research problem, objectives, and potential contributions in coherent paragraphs rather than under separate subheadings. Operational definitions may be included where necessary. Use Times New Roman, 11 pt, single line spacing, and a first-line paragraph indent of approximately 1.2 cm.

2. Materials and Methods

Describe the research design, study period and location (including a map where relevant), research population or subjects, experimental procedures, instruments, data collection methods, and analytical techniques. Use informative subsections as appropriate. Subheadings should be left-aligned, bold, and set in Times New Roman, 11 pt.

Research design

This study employed a [qualitative/quantitative/mixed-methods] research design. Describe and justify the selected approach.

Study period and location

Specify when and where the research was conducted. This information is relevant to both qualitative and quantitative investigations.

Experimental or research procedures

Describe the procedures in sufficient detail to enable reproducibility. Explain how the study was conducted and how the data were obtained. Experimental studies should explicitly identify the experimental design, treatment conditions, and controls.

Data, instruments, and collection procedures

Identify the types and sources of data, the instruments used, and the procedures followed to obtain measurements or observations. Include relevant instrument specifications and quality-control procedures.

Data Analysis

Describe the methods used to process, analyse, and interpret the data in relation to the research questions and objectives. Specify statistical procedures and software where applicable. (Note: Subsections may be adapted to the study design. Sequential procedures may be numbered or lettered for clarity.)

3. Results and Discussion

Present the principal findings and interpret them using scientifically supported arguments. Results may be reported through text, tables, graphs, and figures. The discussion should explain the significance of the findings, the mechanisms underlying observed patterns, and the relationships among the investigated variables. Go beyond description by providing a critical scientific interpretation supported by relevant evidence.

Compare the findings with relevant previous studies and explain agreements or discrepancies. Discuss how the results address the research questions or hypotheses stated in the Introduction. Place tables such Table 1 close to their first citation in the text, preferably after the relevant discussion. Wide tables may span the full page width. Table captions should appear above tables, be left-aligned, and use consistent title capitalization and single spacing.

Table 1. Measurements of peat soil pH

No.	pH	Fonts
1	...	Times new romans, 11 pt, regular
2	...	Numbers right aligned
3	...	Word or sentences left alligned
Mean	...	...

Figures, photographs, schematics, graphs, and diagrams should be numbered consecutively and cited in the text such as Fig. 1 and Eq. 1. Place figure captions below the corresponding figures, left-aligned, with single line spacing. Ensure that all visual materials are legible and have sufficient resolution for publication.

$$\text{Elongation (\%)} = \frac{\text{Extension break (mm)}}{\text{Initial length (mm)}} \times 100\% \quad (1)$$

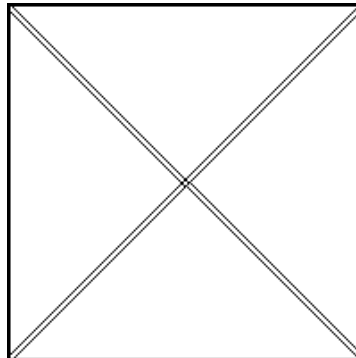


Figure 1. Two-way communication delay

4. Conclusions

Summarize the principal findings in direct relation to the study objectives and research questions. Highlight the main scientific contributions and, where appropriate, provide recommendations for future research or practical applications. Avoid introducing new results or unsupported claims.

Acknowledgement

Thanks to

References

Place the reference list after the Conclusions section. Follow the journal's prescribed referencing guidelines, which specify the sixth edition of the APA style. Apply a consistent format throughout the manuscript. Include at least ten scholarly journal articles in the reference list and use single line spacing. The following examples illustrate different source categories; authors should verify all bibliographic details and format them consistently.

a. Book:

Gronlund, N.E. & Linn, R.L. (1990). *Measurement and evaluation in teaching*. (6th ed.). New York: Macmillan.

Hovmand, S. (1995). Fluidized Bed Drying. In Mujumdar, A.S. (Ed.) *Handbook of Industrial Drying* (pp.195-248). 2nd Ed. New York: Marcel Dekker

b. Chapter in an edited book:

Sofian Effendi. (2020). Unsur-unsur penelitian ilmiah [Elements of scientific research]. In M. Singarimbun (Ed.), *Metode penelitian survei* [Survey research methods]. Jakarta: LP3ES.

c. Translated book:

Daniel, W. W. (2023). *Statistika nonparametrik terapan* [Applied nonparametric statistics] (T. Kuntjoro, Trans.). Jakarta: Gramedia.

d. Undergraduate thesis, master's thesis, or doctoral dissertation:

Nazarudin. (2012). Catalytic Cracking of Plastic Waste Using Nanoporous Materials. Doctor of Philosophy thesis, University College London

e. Journal article:

Pritchard, P.E. (2022). Studies on the bread-improving mechanism of fungal alpha-amylase. *Journal of Biological Education*, 26 (1), 14-17.

Ding, X., Quan, Z.-Y., Chang, W.-P., Li, L., & Qian, J.Y. (2024). Effect of egg white protein on the protein structure of highland barley noodles during processing. *Food Chemistry*, 433, 137320. <https://doi.org/https://doi.org/10.1016/j.foodchem.2023.137320>

f. Conference paper or proceedings:

Paidi. (2023). Developing problem-solving and metacognitive skills through biology education. Proceedings of the National Mathematics and Natural Sciences Seminar, Universitas Negeri Yogyakarta, 30 May 2023.

g. Online resource:

White, H. (2017). Problem-based learning in introductory science across disciplines. Retrieved March 27, 2017, from <http://www.udel.edu/chem/white/finalrpt.html>.