

Type of the Paper (Article, Review, Communication, etc.)

Title

Firstname Lastname ¹, Firstname Lastname ² and Firstname Lastname ^{2,*}

¹ Affiliation 1; e-mail@e-mail.com

² Affiliation 2; e-mail@e-mail.com

* Correspondence: e-mail@e-mail.com; Tel.: (optional; include country code; if there are multiple corresponding authors, add author initials)

Abstract: English version. A single paragraph of about 200 words maximum. For research articles, abstracts should provide a relevant summary of the work. There should be no citations or references in the abstract paragraph. Authors are encouraged to follow a structured approach to abstracts, incorporating the following elements without explicit headings: (1) Background: Contextualize the research question within a broader framework and emphasize the study's purpose; (2) Methods: Concisely outline the primary methods or treatments used; (3) Results: Present a summary of the key findings; (4) Conclusions: State the principal conclusions or interpretations. The abstract should be an objective representation of the article and ensuring that all results are substantiated in the main text and avoiding overstatement of the primary conclusions.

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1. Introduction

The introduction should provide a concise overview of the study within a wider framework, emphasizing its importance. It must articulate the research's objective and outline its significance in the broader field. Font Garamond 11. References should be listed with the author's lastname first and followed by the publication year (ex: Lim, 2021). When citing sources with more than two authors, use "et al." after the first author's lastname (Situmorang *et al.* 2024). See the end of the document for further details on references.

2. Materials and Methods

The Materials and Methods section must provide enough detail to enable other researchers to replicate and extend the findings of your study. It is important to note that by publishing your manuscript, you agree to make all related materials, data, computer code, and protocols accessible to readers. While new methods and protocols should be described thoroughly, established methods can be summarized briefly and cited appropriately. Names of products and manufacturers should be included only if alternate sources are deemed unsatisfactory. Novel experimental should be described in detail. If a previously established method is used, include a citation for the method and provide a brief description of it. Additionally, describe in detail any modifications you have made to the procedure. Interventionary studies involving animals or humans, and other studies that require ethical approval, must list the authority that provided approval and the corresponding ethical approval code.

2.1. Materials

The materials used in this study were golden sea cucumber (*Stichopus hermanni*) from Labuan Bajo, Flores coastal, East Nusa Tenggara, Gamma sea cucumber (*Stichopus variegatus*)

from Lampung coastal, spirulina powder (*Spirulina platensis*) from Jepara, Central Java, all samples were obtained from PKSPL-IPB, white rats Sprague Dawley strain (44-100g) 5 weeks old obtained from BPOM RI, streptozotocin (Sigma Aldrich®)xxxxxx

2.2. Procedure Title (Reference)

Streptozotocin was dissolved in a fresh citrate buffer pH 4.0 at a concentration of 1 mg/mL. Streptozotocin was delivered intraperitoneally using a 1 mL syringe at a dosage of 50 mg/kg BWxxxxxxxx

3. Results

This section may be divided by subheadings. It should provide a concise and precise description of the experimental results, their interpretation, as well as the experimental conclusions that can be drawn.

3.1. Subsection

Streptozotocin was dissolved in a fresh citrate buffer pH 4.0 at a concentration of 1 mg/mL. Streptozotocin was delivered intraperitoneally using a 1 mL syringe at a dosage of 50 mg/kg BWxxxxxxxx

3.1.1. Subsubsection

Bulleted lists look like this:

- First bullet;
- Second bullet;
- Third bullet.

Numbered lists can be added as follows:

1. First item;
2. Second item;
3. Third item.

The text continues here.

3.2. Figures, Tables and Schemes

All figures and tables should be cited in the main text as Figure 1, Table 1, etc.



Figure 1. This is a figure. Schemes follow the same formatting.

Table 1. This is a table. Tables should be placed in the main text near to the first time they are cited.

Title 1	Title 2	Title 3
entry 1	data	data
entry 2	data	data ¹

¹ Tables may have a footer.

The text continues here (Figure 2 and Table 2).



Figure 2. This is a figure. Schemes follow another format. If there are multiple panels, they should be listed as: **(a)** Description of what is contained in the first panel; **(b)** Description of what is contained in the second panel. Figures should be placed in the main text near to the first time they are cited.

Table 2. This is a table. Tables should be placed in the main text near to the first time they are cited.

Title 1	Title 2	Title 3	Title 4
entry 1 *	data	data	data
	data	data	data
	data	data	data
entry 2	data	data	data
	data	data	data
entry 3	data	data	data
	data	data	data
	data	data	data

* Tables may have a footer.

3.3. Formatting of Mathematical Components

This is example 1 of an equation:

a = 1,

(1)

the text following an equation need not be a new paragraph. Please punctuate equations as regular text.

This is example 2 of an equation:

a = b + c + d + e + f + g + h + i + j + k + l + m + n + o + p + q + r + s + t + u + v + w + x + y + z

(2)

the text following an equation need not be a new paragraph. Please punctuate equations as regular text.

4. Discussion

Authors should discuss the results and how they can be interpreted from the perspective of previous studies and of the working hypotheses. The findings and their implications should be discussed in the broadest context possible. Future research directions may also be highlighted. End the discussion by giving a conclusion and future research in that particular topic.

5. Acknowledgements

In this section, you can acknowledge any support given which is not covered by the author contribu-tion or funding sections. This may include administrative and technical support, or donations in kind (e.g., materials used for experiments).

Appendix A

The appendix is an optional section that can contain details and data supplemental to the main text—for example, explanations of experimental details that would disrupt the flow of the main text but nonetheless remain crucial to understanding and reproducing the research shown; figures of replicates for experiments of which representative data is shown in the main text can be added here if brief, or as Supplementary data. Mathematical proofs of results not central to the paper can be added as an appendix.

Appendix B

All appendix sections must be cited in the main text. In the appendices, Figures, Tables, etc. should be labeled starting with “A”—e.g., Figure A1, Figure A2, etc.

References

1. Artika, I. M., Safithri, M., & Dwicesaria, M. A. (2025). *Menguak Misteri Biokimia: Struktur dan Fungsi Seluler*. IPB Press.
2. Dwicesaria, M. A. (2023). *Analisis Kandungan Fraksi Phomopsis sp. dari Daun Sirsak sebagai Antiproliferasi dan Apoptosis Sel Kanker Payudara MCF-7*. Institut Pertanian Bogor.
3. Marliani, N., Artika, I. M., Rafi, M., Syukur, M., Galinngging, R. Y., & Nurcholis, W. (2022). Phenolic and flavonoid content with agro morphological characters of 12 accessions of *Justicia gendarussa* grew in Indonesia. *Biodiversitas Journal of Biological Diversity*, 23(10). <https://doi.org/10.13057/biodiv/d231017>
4. Menon, G., Alkabban, F. M., & Ferguson, T. (2024). *Breast Cancer*. <https://www.ncbi.nlm.nih.gov/books/NBK482286/>
5. Mishra, S. K., Singh, R., Chang, H.-M., Obaid, A. A., & Singh, S. K. (2025). Biomarkers used in Alzheimer's disease diagnosis. In *A New Era in Alzheimer's Research* (pp. 31–50). Elsevier. <https://doi.org/10.1016/B978-0-443-15540-6.00013-6>
6. Nandi, Ismail, J. R., & Ismail, A. (2024). Spatial analysis on influence of elevation to coronavirus disease-19 infection fatality ratio in Bandung Regency and Bandung City. *IOP Conference Series: Earth and Environmental Science*.

References only list the published or accepted material for publication and should be at least 80% primary references (journal articles). Accepted article(s) but not yet published should be sent as manuscript appendix.

Current Biochemistry follows the **American Psychological Association 7th edition** style and should be using Mendeley References Manager. All works included in the reference section should be referred to the text. They should be referred to the text by the name(s) of the first author and the year of publication in parentheses, using following format:

(Nelson and Cox, 2005) or Nelson and Cox (2005). If the authors is more than two, use the first author's lastname and add “et al.”. the order for the references within parentheses in the text should be typed start from the oldest year (Günzler and Williams, 2008; Rubinooff and Sperling, 2021; Marliani et al., 2022;). If the references have the same year, **place them alphabetically**. For works by the same author(s) in the same year, append a lowercase a, b, c, etc. to the year of publication.

The reference list should follow these styles:

- Journal article

Marliani, N., Artika, I. M., Rafi, M., Syukur, M., Galinngging, R. Y., & Nurcholis, W. (2022). Phenolic and flavonoid content with agro morphological characters of 12 accessions of *Justicia gendarussa* grew in Indonesia. *Biodiversitas Journal of Biological Diversity*, 23(10). <https://doi.org/10.13057/biodiv/d231017>

- Book

Artika, I. M., Safithri, M., & Dwicesaria, M. A. (2025). *Menguak Misteri Biokimia: Struktur dan Fungsi Seluler*. IPB Press.

- Chapter in a book

Mishra, S. K., Singh, R., Chang, H.-M., Obaid, A. A., & Singh, S. K. (2025). Biomarkers used in Alzheimer's disease diagnosis. In *A New Era in Alzheimer's Research* (pp. 31–50). Elsevier. <https://doi.org/10.1016/B978-0-443-15540-6.00013-6>

- Thesis or Dissertation

Dwicesaria, M. A. (2023). *Analisis Kandungan Fraksi Phomopsis sp. dari Daun Sirsak sebagai Antiproliferasi dan Apoptosis Sel Kanker Payudara MCF-7*. Institut Pertanian Bogor.

- Internet

Menon, G., Alkabban, F. M., & Ferguson, T. (2024). *Breast Cancer*. <https://www.ncbi.nlm.nih.gov/books/NBK482286/>

- Proceeding/Prosiding

Nandi, Ismail, J. R., & Ismail, A. (2024). Spatial analysis on influence of elevation to coronavirus disease-19 infection fatality ratio in Bandung Regency and Bandung City. *IOP Conference Series: Earth and Environmental Science*.

Figure: Ensure that each illustration has a caption. Supply captions separately, not attached to the figure. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

Table: Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end. Number tables consecutively in accordance with their appearance in the text and place any table notes below the table body. Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article. Please avoid using vertical rules.

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We encourage authors to submit the names of 3-7 referees (not from your own institutions) suitable to review the work to aid in the peer review process.

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