

August 21th, 2023

Dear Dr. Miftahul Ilmi,
Chief of Editorial Department of *Journal of Tropical Biology and Biotechnology*
Faculty of Biology, Universitas Gadjah Mada
Jl. Teknik Selatan, Sekip Utara, Yogyakarta, 55281, Indonesia

I am pleased to submit our manuscript entitled “**Hesperetin Synergistically Promotes the Senescence Induction of Pentagamavunone-1 in Luminal Breast Cancer Cells, T47D**” by **Rifai et al.** for consideration as a *Journal of Tropical Biodiversity and Biotechnology* research article.

In this manuscript, we show that the combination of HST and PGV-1 synergistically inhibited the growth of T47D cells. Furthermore, the combination of the two compounds significantly induced cell cycle arrest in the G2/M phase, modulated apoptosis, and significantly increased the number of senescent cells in T47D cells. On the other hand, HST decreases cellular senescence due to chemotherapeutic agents, doxorubicin.

We believe that our paper is appropriate for publication by *Journal of Tropical Biodiversity and Biotechnology* because is **Biotechnology**. **Our manuscript creates a for future studies about the combination of HST and PGV-1 can be developed as a co-chemotherapeutic agent for luminal breast cancers.**

This manuscript has not been published before and is not being considered for publication elsewhere. We have no conflicts of interest to disclose. If you feel that the manuscript is appropriate for your journal, we suggest the following reviewers:

1. Nama : Dra. Rarastoeti Pratiwi, M.Sc., Ph.D.
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Thank you for your consideration.

Yours Sincerely,



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Declaration of Originality

I hereby confirm that I am the author of the written manuscript here enclosed and that I have compiled it in my own words.

Title of manuscript (in block letters):

Hesperetin Synergistically Promotes the Senescence Induction of Pentagamavunone-1 in Luminal Breast Cancer Cells, T47D

With my signature I confirm that:

- I have not committed any of the forms of plagiarism.
- I have documented all methods, data and processes truthfully.
- I have not manipulated any data.
- I have mentioned all persons who were significant facilitators of the work.

I am aware that the work may be screened electronically for plagiarism.

Place, date

Yogyakarta, August 21th, 2023

Author name(s) (in block letters)

Signature(s)

FAUZIAH NOVITA PUTRI RIFAI

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Note: fill and scan this form and upload along with the manuscript file during submission.