

January 5, 2023

Dear Dr. Miftahul Ilmi,

I am pleased to submit our manuscript entitled “Diosmin, galangin, and piperine enhance the efficacy of PGV-1 in WiDr colon cancer cells: *in vitro* and bioinformatic studies” by Ikawati *et al* for consideration as a *Journal of Tropical Biodiversity and Biotechnology* research article.

Our group independently as well as together with our collaborators have been developing a curcumin analog, Pentagamavunon-1 (PGV-1), as a potent anticancer candidate. In this manuscript, we show that the potentiation effect of three natural compounds that have been known for their pharmacological effects as well as their health benefits, namely diosmin, galangin, and piperine, to PGV-1 for colon cancer. Supported by the bioinformatic analysis, we conclude that those natural compounds have the potency as PGV-1 combination agent for colon cancer.

We believe that our paper is appropriate for publication by *Journal of Tropical Biodiversity and Biotechnology* because is covering the scope of biotechnology, specifically the utilization of the above compounds that commonly found and used in Indonesia as tropical biodiversity and the application of bioinformatics for drug development. Our manuscript creates a for future in the development of PGV-1 as a potential anticancer agent by combining it with natural compounds.

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. Dr. Tri Widiandani (expertise: medicinal chemistry), Faculty of Pharmacy, Universitas Airlangga, email address: [triwidiandani@yahoo.com](mailto:triwidiandani@yahoo.com); [tri-w@ff.unair.ac.id](mailto:tri-w@ff.unair.ac.id) , phone: +62 818-0302-2660
2. Dr. Sri Handayani (expertise: natural compounds for pharmaceutical/nutraceuticals), National Research and Innovation Agency (BRIN), email address: [srihandayanee@gmail.com](mailto:srihandayanee@gmail.com) , phone: +62 813-4110-1288

Thank you for your consideration.

Sincerely,



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