Prof. dr. Sultana MH Faradz, PhD

Editor in Chief,

*Journal of Biomedicine and Translational Research* (JBTR)

Faculty of Medicine, Diponegoro University

March 19th,2022

Dear Prof. dr. Sultana MH Faradz, PhD

I am pleased to submit a short communication article entitled “Effect of Combination Songga-Wood-Stem (*Strychnos ligustrina* Blume) and Antimalaria-ACT on IL-10 Production of Malaria” by Rahmi Wirman for consideration of publication in *Journal of Biomedicine and Translational Research* (JBTR).

In this manuscript, we show that the ethanolic-extracted-Songga-Wood-Stem (EESWS) in combination with antimalaria-ACT affect splenic-IL-10-production in Swiss-mice with *Plasmodium berghei* ANKA (PbA) infection.

We believe that this manuscript is appropriate for publication by *Journal of Biomedicine and Translational Research* because it investigated the effects of EESWS as adjuvant therapy of antimalaria-ACT in regulating IL-10 production by splenic-cells of PbA-infected-Swiss-mice. Previous study showed that the EESWS either alone or in combination with ACT reduces parasitemia levels in Swiss-mice infected with PbA. These interventions are also normalized CXCL12 produced by the spleen of the mice in the recovery phase of PbA-infection. CXCL12 is able to increase production of IL-10, a cytokine known has protective from immunopathological of *Plasmodium*-infection. IL-10 however interfere the mechanisms for controlling the infection. The study done recently, therefore interested to know whether EESWS-ACT-combination affected the splenic-IL-10-production of PbA-infected-Swiss-mice. Our Manuscript creates a paradigm for future studied of better treatment of *Plasmodium*-infection because the EESWS as adjuvant therapy of ACT limits the increase of splenic-IL-10-production during the healing phase of PbA-infected mice.

Thank you for your consideration.

Sincerely,

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