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Editor-in-Chief

*Journal of Biomedicine and Translational Research*

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Dear Editor in Chief, Prof. dr. Sultana MH Faradz, Ph.D. :

I am pleased to submit an original article entitled “*Exploring SLE Pathogenesis through Animal Models: A Systematic Review of Humanized and Pristane-Induced Lupus Mice*” by Dimas Ikhsan Airlangga, Hanifa Rizky Rahmawati, Hani Susianti, Kusworini Handono for consideration for publication in Journal of Biomedicine and Translational Research.

In this manuscript we explore the pathogenesis of systemic lupus erythematosus (SLE) using animal models. Systemic lupus erythematosus is a complex autoimmune disease that affects millions of people worldwide. The use of animal models plays an important role in advancing the understanding of SLE. Many different models have been developed to study the immune dysregulation and multi-organ involvement that characterise the disease. The most commonly used induced mouse model is Pristane and a new method has been developed using humanised mouse models. The aim of this systematic review-based study is to provide a comprehensive overview of the development and use of pristane-induced and humanised mouse models. Pristane-induced lupus mice offer simplicity, reproducibility and a predictable time course for studying lupus-like symptoms and autoimmune responses. On the other hand, humanised mouse models with transplanted human immune cells provide a more human-relevant context, complex disease manifestations and opportunities for drug testing and personalised medicine.

We believe that this manuscript is appropriate for publication in the Journal of Biomedicine and Translational Research very related to the aims and scope of this journal. This manuscript has not been published and is not under consideration for publication elsewhere.

Thank you for your consideration of our manuscript.

Sincerely

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