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**Fatmawati Armawi** <fatma47unair@gmail.com>

Tue,

to editor

Dear Prof. Jiuping Xu,
Executive-Editor in Chief
World Journal of Modelling and Simulation.

We wish to submit a new manuscript entitled "***Mathematical Modelling of Tuberculosis in a Log with Optimal Control***" for consideration by the World Journal of Modelling and Simulation.

We confirm that this work is original and has not been published elsewhere nor is it currently elsewhere.

In this paper, we report on mathematical model with an optimal control on the treatments of the logarithmically growing human population. The aim of this study is to analyze the effect of two treatments of anti-TB treatment to reduce the spread of the disease. We also investigate the numerical simulation of optimal control. The optimal control strategy is obtained by the iterative method of Runge-Kutta method of the fourth order. The paper should be of interest to readers in the areas of mathematical modelling and simulation. The application of mathematics, especially biology.

Please address all correspondence concerning this manuscript to me at fatma47unair@gmail.com.

Thank you for your consideration of this manuscript.