

***Forecasting Kasus Pneumonia Untuk Kebutuhan Tempat Tidur Menggunakan Metode Triple Exponential Smoothing Tahun 2023-2027 Di Rs Umum Kaliwates***

*(Forecasting Pneumonia Cases for Bed Needs Using the Triple Exponential Smoothing Method for 2023-2027 at Kaliwates Hospital)*

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**ABSTRACT**

*Pneumonia is an infection that attacks the lower respiratory tract with symptoms such as coughing and shortness of breath. Pneumonia is one of the main causes of death in the world, including Indonesia. This case is also included in the top 10 inpatient illnesses at Kaliwates Hospital, Jember Regency, and the number continues to increase from 2018 to 2022. The aim of this research is to predict the need for hospital beds for pneumonia patients and reduce the number of inpatients. A large number of pneumonia patients have been reported at Kaliwates Hospital. This research is a quantitative descriptive study that studies the daily population survey of inpatients at RSU Kaliwates. The data collection technique used is documentation and research instruments, namely documentation guidelines. The research results show that treatment days for pneumonia cases every year starting from 2018-2022 tend to experience repeated increases and decreases. The results of calculating the estimated values from actual or predicted data show that the fitted value follows the actual data pattern, which means that the predicted results follow the values from the actual data. Apart from that, quite a lot of additional beds are needed for pneumonia cases. The suggestion that can be proposed by researchers is that the Kaliwates RSU is expected to be able to carry out an analysis of patient treatment days by predicting treatment days in order to know the need for beds as a reference in making decisions regarding determining bed capacity. Hospitals should also plan bed needs by relocating beds from several inpatient rooms where disease accuracy is low.*

*Keywords: Pneumonia, Prediction, Triple Exponential Smoothing*