

ABSTRACT

Name : Neaha Ramadhani Putri
Study program : D-3 Medical Record and Health Information
Title : Time Series Analysis of Efficiency of Using a Bed Based on Barber Johnson Graphics at RSU Aminah Blitar in 2018-2022

Indicators of efficient use of bed show the quality of hospital services. The indicators BOR, AvLOS, BTO, and TOI have their respective ideal values. But, in fact several indicators at RSU Aminah have not been ideal in the last five years. This research aims to analyze indicators of efficient use of beds at RSU Aminah 2018-2022 with time series to find indicator trends, predict indicator values 2023, make the Barber Johnson Graphics, and provide efforts that hospital can make to deal with indicators that are not yet ideal. This type of research is quantitative research with a descriptive approach. The variables used are the efficiency of bed use, Bed Occupancy Rate (BOR), AvLOS (Average Length Of Stay), BTO (Bed Turn Over), and TOI (Turn Over Interval) during 2018-2022, Trend indicators for 2018-2022, and Barber Johnson Graphic. The population and sample is came from the Daily Census Recapitulation of patient, which were used to calculate BOR, AvLOS, BTO, and TOI. The results of this research show that there is an increase and decrease trend in efficiency indicators during 2018-2022. BOR and TOI indicators trend are increasing, while AvLOS and BTO indicators trend are decreasing. Forecasting analyze results for 2023 are, AvLOS, BTO, TOI values are ideal , while BOR values are not ideal. Barber Johnson chart is efficient in 2022, while in 2018-2021 it is still not efficient. Efforts that can be made by the hospitals are increase promotion and add hospital facilities, conducting evaluation, and holding training and seminars.

Keyword :

Time Series Analyze, Trend, Efficiency Indicators of Bed Use