

ABSTRACT

**PROFILE OF ANTIBIOTIC USE IN SURGICAL CASE IN IRD RSUD DR.SOETOMO
SURABAYA**

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Background: The use of inappropriate antibiotics can cause adverse side effects such as the emergence of resistance to antibiotics. The use of antibiotics without clear indications often happen in surgery case, current data on the quality of antibiotic use in surgical cases is not widely available.

Objective: Measuring the quality of antibiotic use in IRD Bedah RSUD Dr. Soetomo.

Methods: Research with prospective analytic observational design was done in IRD Bedah Dr. Soetomo Hospital with patient research subjects conducted surgery. Data relating to the quality of antibiotics obtained from medical records then conducted a review to determine the criteria of antibiotic quality. The quality of antibiotic use was assessed by Gyssens criteria. Then analyzed descriptively.

Results: The quality of rational use of antibiotics (categories 0) was 54.65%. While the quality of the use of irrational antibiotics (category V - I) of 43.02% and 3.49% are incomplete data (category VI)

Conclusion: The quality of antibiotic use in IRD Bedah RSUD Dr. Soetomo on April-May 2017 still not meet requirement of “Pemberian Penggunaan Antibiotik Rumah Sakit Umum Daerah Dokter Soetomo”.

Keywords: *Quality of antibiotic use, Gyssens method*