



UNIVERSITAS ANDALAS

**ANALISIS EFISIENSI PELAYANAN RAWAT INAP BERDASARKAN
GRAFIK BARBER JOHNSON DI RUMAH SAKIT UNIVERSITAS
ANDALAS TAHUN 2025**

Oleh :

NAJMA AQEELA DARFYOZANDA

NIM.2211211011

FAKULTAS KESEHATAN MASYARAKAT

UNIVERSITAS ANDALAS

PADANG 2026

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Najma Aqeela Darfyoza, NIM. 2211211011

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xii + 178 halaman, 18 tabel, 15 gambar, 9 lampiran

ABSTRAK

Tujuan Penelitian

Rumah Sakit Universitas Andalas ditemukan ketidakseimbangan pemanfaatan tempat tidur antar ruang rawat inap, yang menimbulkan kesenjangan kondisi ideal efisiensi dan capaian indikator berdasarkan Grafik *Barber Johnson* serta faktor penyebabnya berdasarkan *Model Donabedian*.

Metode

Penelitian menggunakan *mixed method* dengan desain *sequential explanatory* dan dilaksanakan Agustus 2026. Data kuantitatif berupa data sekunder tahun 2025 pada empat ruang rawat inap dianalisis berdasarkan BOR, ALOS, TOI, dan BTO dengan *total sampling*. Data kualitatif diperoleh melalui wawancara mendalam terhadap 10 informan dan telaah dokumen.

Hasil

BOR berkisar 51–89%, ALOS 3,6–5 hari, TOI 0,49–3,36 hari, dan BTO 52–74 kali. Grafik Barber Johnson menunjukkan seluruh ruang belum berada dalam daerah efisiensi. Faktor yang berkaitan meliputi keterbatasan sarana dan tenaga, sistem informasi yang belum optimal, pengelolaan tempat tidur, perpindahan pasien, serta proses pemulangan.

Kesimpulan

Pelayanan rawat inap RS Universitas Andalas tahun 2025 belum efisien berdasarkan Grafik Barber Johnson. Diperlukan penguatan pengelolaan tempat tidur, integrasi data, koordinasi lintas unit, dan percepatan proses pemulangan pasien.

Daftar Pustaka : 31 (2015-2025)

Kata Kunci : Efisiensi, Pelayanan Rawat Inap, Grafik *Barber Johnson*, Model Donabedian, Rumah Sakit

**FACULTY OF PUBLIC HEALTH
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**Undergraduate Thesis, August 2026
Najma Aqeela Darfyozanda, Student ID No. 2211211011**

**ANALYSIS OF INPATIENT SERVICE EFFICIENCY BASED ON THE
BARBER JOHNSON CHART AT ANDALAS UNIVERSITY HOSPITAL IN
2025**

xii + 178 pages, 18 tables, 15 figures, 9 appendices

ABSTRACT

Objective

Andalas University Hospital exhibits an imbalance in bed utilization across inpatient wards, creating a gap between ideal efficiency conditions and actual indicator achievement based on the Barber-Johnson Graph, as well as underlying causal factors analyzed via the Donabedian Model.

Methods

This study employed a mixed-methods approach with a sequential explanatory design, conducted from January to August 2026. Quantitative data (secondary data from 2025 obtained from four inpatient wards) were Analyzed using BOR, ALOS, TOI, dan BTO metrics via total sampling. Qualitative data were obtained through in-depth interview with 10 informants and document reviews.

Results

BOR ranged 51-89%, ALOS from 3,6-5 days, TOI from 0,49-3,36 days, and BTO from 52-74 times. The Barber Johnson Graph indicated that none of the wards fell within the efficiency zone. Contributing factors included limitations in facilities and personnel, suboptimal information systems, bed management issues, patient transfers and discharge processes.

Conclusion

Inpatient services at Andalas University Hospital in 2025 are still not efficient according to the Barber Johnson chart; there needs to be stronger bed management, data integration, cross-unit coordination, and faster patient discharge processes.

References: [31 (2015-2025)]

Keywords: Efficiency, Inpatient Service, Barber Johnson Chart, Donabedian Model, Hospital