

SKRIPSI

**HUBUNGAN PENGETAHUAN DENGAN KEPATUHAN PERAWAT
DALAM PENERAPAN BUNDLE *VENTILATOR ASSOCIATED
PNEUMONIA* (VAP) DI RUANG ICU RS UNIVERSITAS ANDALAS**

PENELITIAN KEPERAWATAN GAWAT DARURAT



AMANDA DEA KARTIKA

NIM. 2211312050

Pembimbing Utama

Ns. Rahmi Muthia, M.Kep

NIP. 199203122019032019

Pembimbing Pendamping

Ns. Tiurmaida Simandalahi, M.Kep

NIP. 198503242020122001

FAKULTAS KEPERAWATAN

UNIVERSITAS ANDALAS

2026

**FAKULTAS KEPERAWATAN
UNIVERSITAS ANDALAS
AGUSTUS 2026**

**Nama : Amanda Dea Kartika
NIM : 2211312050**

**Hubungan Pengetahuan dengan Kepatuhan Perawat dalam Penerapan
Bundle Ventilator-Associated Pneumonia (VAP) di Ruang ICU RS Universitas
Andalas**

ABSTRAK

Pasien yang menjalani ventilasi mekanik di ruang *Intensive Care Unit* (ICU) berisiko mengalami *Ventilator-Associated Pneumonia* (VAP). Komplikasi ini dapat meningkatkan lama penggunaan ventilator, lama rawat inap, biaya perawatan, morbiditas, dan mortalitas. Penerapan *Bundle VAP* merupakan strategi *evidence-based* untuk mencegah VAP. Penelitian ini bertujuan untuk mengetahui hubungan pengetahuan dengan kepatuhan perawat dalam penerapan *Bundle VAP* di ruang ICU RS Universitas Andalas. Penelitian ini merupakan penelitian kuantitatif dengan desain korelasional dan pendekatan *cross-sectional*. Sampel berjumlah 25 perawat yang dipilih menggunakan teknik *total sampling*. Pengetahuan diukur menggunakan kuesioner, sedangkan kepatuhan diukur melalui tiga kali observasi terhadap delapan komponen *Bundle VAP* menggunakan lembar observasi. Frekuensi pelaksanaan masing-masing komponen selama tiga kali observasi diberi skor 0–3 dan dijumlahkan untuk memperoleh skor total kepatuhan dengan rentang 0–24. Analisis data menggunakan uji korelasi *Spearman Rank*. Hasil penelitian menunjukkan median skor pengetahuan sebesar 20,00 (SD = 2,382) dan median skor kepatuhan sebesar 23,00 (SD = 2,850). Terdapat hubungan positif yang kuat dan bermakna secara statistik antara pengetahuan dengan kepatuhan perawat dalam penerapan *Bundle VAP* ($r_s = 0,693$; $p < 0,001$), yang menunjukkan bahwa semakin tinggi skor pengetahuan, cenderung semakin tinggi pula skor kepatuhan perawat dalam penerapan *Bundle VAP*. Disarankan adanya pendidikan dan pelatihan berkelanjutan bagi perawat, terutama terkait perkembangan SOP dalam penerapan *Bundle VAP*, khususnya pada komponen yang menunjukkan hasil pengetahuan lebih rendah, serta penguatan supervisi untuk mendukung konsistensi penerapan *Bundle VAP* di ruang ICU.

Kata kunci : *Ventilator Associated Pneumonia (VAP)*, *Bundle VAP*,
Pengetahuan, Kepatuhan, Perawat ICU

Daftar Pustaka : 76 (2010–2026)

**NURSING FACULTY
ANDALAS UNIVERSITY
August 2026**

**Name: Amanda Dea Kartika
Student ID Number: 2211312050**

***The Relationship Between Nurses' Knowledge and Compliance in the
Implementation of the Ventilator-Associated Pneumonia (VAP) Bundle in the
ICU of Universitas Andalas Hospital***

ABSTRACT

Patients undergoing mechanical ventilation in the Intensive Care Unit (ICU) are at risk of developing Ventilator-Associated Pneumonia (VAP). This complication can increase the duration of mechanical ventilation, length of hospital stay, healthcare costs, morbidity, and mortality. The implementation of the VAP Bundle is an evidence-based strategy for preventing VAP. This study aimed to determine the relationship between nurses' knowledge and compliance with the implementation of the VAP Bundle in the ICU of Universitas Andalas Hospital. This quantitative study used a correlational design with a cross-sectional approach. A total of 25 nurses were selected using total sampling. Knowledge was measured using a questionnaire, while compliance was assessed through three observations of eight VAP Bundle components using an observation checklist. The frequency of implementation of each component across the three observations was scored from 0 to 3 and summed to obtain a total compliance score ranging from 0 to 24. Data were analyzed using the Spearman rank correlation test. The results showed that the median knowledge score was 20.00 (SD = 2,382), while the median compliance score was 23.00 (SD = 2,850). There was a strong, positive, and statistically significant relationship between nurses' knowledge and compliance with the implementation of the VAP Bundle ($r_s = 0.693$; $p < 0.001$), indicating that higher knowledge scores tended to be associated with higher compliance scores in the implementation of the VAP Bundle. It is recommended that continuous education and training be provided for nurses, particularly regarding the development of SOPs for VAP Bundle implementation, especially in relation to the use of endotracheal tubes with subglottic drainage and the use of sterile gloves during suction, along with strengthened supervision to support consistent application of the VAP Bundle in the ICU.

Keywords : Ventilator-Associated Pneumonia (VAP), VAP Bundle,
Knowledge, Compliance, ICU Nurses

References : 76 (2010–2025)