

**PENGARUH PENGGUNAAN *DONUT PILLOW GEL* TERHADAP  
KEBERHASILAN INTUBASI PADA PASIEN *GENERAL*  
ANESTESI DI RSUD KOTA BANDUNG**

Natasya Abila Listyaningrum<sup>1</sup>, Tri Widyastuti Handayani<sup>2</sup>, Rosa Delima  
Ekwantini<sup>3</sup>

Jurusan Keperawatan Poltekkes Kemenkes Yogyakarta,  
Jl. Tatabumi No. 3 Banyuraden, Gamping, Sleman  
email : nasatya.abila@gmail.com,

**ABSTRAK**

**Latar Belakang:** Penggunaan bantal untuk intubasi dengan posisi *sniffing* telah dianggap sebagai standar untuk penyelarasan optimal sumbu laring, faring, dan oral. Penggunaan *donut pillow gel* setinggi 5 cm di bawah kepala pasien pada saat intubasi dirancang untuk membantu posisi ideal saat intubasi. Penggunaan alat ini diharapkan meningkatkan visualisasi jalan napas dan keberhasilan intubasi.

**Tujuan:** Mengetahui pengaruh penggunaan *donut pillow gel* terhadap keberhasilan intubasi pada pasien *general* anestesi di RSUD Kota Bandung.

**Metode:** Penelitian ini menggunakan desain quasi eksperimen dengan pendekatan *posttest only with control group*. Penelitian dilaksanakan pada bulan Februari–Maret 2025 di IBS RSUD Kota Bandung dengan jumlah sampel sebanyak 80 pasien yang menjalani *general* anestesi dengan intubasi, yang dibagi menjadi kelompok intervensi dan kontrol. Analisis data dilakukan menggunakan uji Chi Square.

**Hasil:** Terdapat pengaruh yang signifikan antara penggunaan *donut pillow gel* dengan keberhasilan intubasi ( $p = 0,019$ ). Nilai *odds ratio* (OR) sebesar 4,678 menunjukkan bahwa pasien yang menggunakan *donut pillow gel* memiliki kemungkinan keberhasilan intubasi hampir 5 kali lebih besar dibandingkan pasien yang tidak menggunakannya.

**Kesimpulan:** Penggunaan *donut pillow gel* terbukti berpengaruh secara signifikan terhadap keberhasilan intubasi pada pasien dengan *general* anestesi di RSUD Kota Bandung.

**Kata Kunci:** *General* anestesi, intubasi, *donut pillow gel*, keberhasilan intubasi

# THE EFFECT OF USING DONAT PILLOWS GEL ON INTUBATION SUCCESS IN GENERAL ANESTHESIA PATIENTS AT THE BANDUNG CITY REGIONAL HOSPITAL

Natasya Abila Listyaningrum<sup>1</sup>, Tri Widyastuti Handayani<sup>2</sup>, Rosa Delima Ekwantini<sup>3</sup>

Nursing Department, Poltekkes Kemenkes Yogyakarta,  
Jl. Tatabumi No. 3 Banyuraden, Gamping, Sleman  
email: nasatya.abila@gmail.com,

## ABSTRACT

**Background:** The use of a pillow for intubation with a sniffing position has been considered the standard for optimal alignment of the laryngeal, pharyngeal, and oral axes. The use of a donut pillow gel 5 cm below the patient's head during intubation is designed to help the ideal position during intubation. The use of this tool is expected to improve airway visualization and intubation success.

**Objective:** To determine the effect of donut pillow gel use on intubation success in general anesthesia patients at Bandung City Hospital.

**Method:** This study was a quasi-experimental study with a posttest only with control group design. This study was conducted in February-March 2025. The study population was all patients who underwent general anesthesia with intubation in the Operating Room of Bandung City Hospital. A total of 80 patients undergoing general anesthesia with intubation were included and divided into intervention and control groups. Data were analyzed using the Chi-Square test.

**Results:** The results showed a significant effect between the use of donut pillow gel and successful intubation ( $p = 0.019$ ). The odds ratio (OR) of 4.678 indicates that patients using the donut pillow gel were nearly five times more likely to have a successful intubation compared to those who did not use it.

**Conclusion:** There is an effect of the use of donut pillow gel on successful intubation in general anesthesia patients at RSUD Kota Bandung

Keywords: General anesthesia, intubation, donut pillow gel, successful intubation