

# ANALISIS PERILAKU PERAWAT DALAM PENERAPAN HIPEROKSIGENASI SELAMA PROSEDUR *SUCTIONING* TERHADAP KEJADIAN DESATURASI PADA PASIEN TERPASANG VENTILATOR DI RUANG INTENSIF

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## Abstrak

**Latar Belakang:** *Suctioning* merupakan suatu teknik untuk menghilangkan sekresi berlebihan di saluran napas. Sebelum tindakan *suctioning* diperlukan hiperoksigenasi selama *suctioning* tindakan ini untuk meningkatkan kadar oksigen dalam darah dan jaringan. **Tujuan:** menganalisis perilaku perawat dalam penerapan hiperoksigenasi selama prosedur *suctioning* terhadap kejadian desaturasi pada pasien terpasang ventilator di Ruang Intensif. **Metode:** Penelitian ini menggunakan pendekatan kuantitatif dengan desain *cross-sectional*. Responden yang terlibat dalam penelitian berjumlah 30 perawat menggunakan teknik *total sampling*. Jenis data yang digunakan adalah data primer melalui pengisian kuesioner, lembar observasi. Uji hipotesis pada variabel domain perilaku terhadap penerapan hiperoksigenasi selama *suctioning* menggunakan Uji *Wilcoxon Signed-Rank Test*. Sedangkan uji hipotesis pada variabel penerapan hiperoksigenasi dengan kejadian desaturasi menggunakan Uji *Mann-Whitney*. **Hasil:** Hasil penelitian univariat didapatkan pada saat perawat tidak melakukan hiperoksigenasi sebelum tindakan *suctioning*, pasien mengalami desaturasi oksigen yaitu oksigen <95% sebanyak 21 pasien (70.0%). Hasil penelitian bivariat didapatkan adanya hubungan signifikan antara Pengetahuan (*p-value* 0.047), Sikap (*p-value* 0.025), Keterampilan (*p-value* 0.029) dengan Penerapan Hiperoksigenasi. Serta didapatkan adanya hubungan penerapan hiperoksigenasi dengan kejadian desaturasi oksigen (*p-value* <0.001). **Saran:** diharapkan perawat memperhatikan faktor yang dapat menyebabkan penurunan saturasi oksigen dan memberikan asuhan keperawatan yang berdasarkan *Evidence Based Practice*, sesuai dengan *Standar Operasional Prosedur*, guna meningkatkan kualitas pelayanan kesehatan.

**Kata Kunci :** Desaturasi Oksigen, Hiperoksigenasi, *Intensive Care Unit*, Perilaku Perawat, *Suctioning*.

**ANALYSIS OF NURSES' BEHAVIOR IN THE  
IMPLEMENTATION OF HYPEROXYGENATION DURING  
SUCTIONING PROCEDURE  
ON THE EVENT OF DESATURATION IN PATIENTS  
VENTILATOR INSTALLED IN INTENSIVE ROOM**

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**Abstract**

**Background:** Suctioning is a technique for removing excessive secretions in the airways. Before the suctioning procedure, hyperoxygenation is required during this suctioning action to increase oxygen levels in the blood and tissues. **Objective:** to analyze the behavior of nurses in applying hyperoxygenation during suctioning procedures to the incidence of desaturation in patients on ventilators in the Intensive Room. **Method:** This research uses a quantitative approach with a cross-sectional design. Respondents involved in the research were 30 nurses using total sampling techniques. The type of data used is primary data through filling out questionnaires, observation sheets. Hypothesis testing on behavioral domain variables regarding the application of hyperoxygenation during suctioning uses the Wilcoxon Signed-Rank Test. Meanwhile, the hypothesis test on the variable application of hyperoxygenation and the incidence of desaturation uses the Mann-Whitney Test. **Results:** Univariate research results were obtained when nurses did not hyperoxygenate before the suctioning procedure, patients experienced oxygen desaturation, namely <95% oxygen, in 21 patients (70.0%). The results of bivariate research showed that there was a significant relationship between Knowledge (p-value 0.047), Attitude (p-value 0.025), Skills (p-value 0.029) and the Application of Hyperoxygenation. And it was found that there was a relationship between the application of hyperoxygenation and the incidence of oxygen desaturation (p-value <0.001). **Suggestion:** nurses are expected to pay attention to factors that can cause a decrease in oxygen saturation and provide nursing care based on Evidence Based Practice, in accordance with Standard Operating Procedures, in order to improve the quality of health services.

**Keywords:** Oxygen Desaturation, Hyperoxygenation, Intensive Care Unit, Nurse Behavior, Suctioning.