Abstract

Respiratory disorders are disorders that occur in the oxygen binding process in the respiratory tract, thereby disrupting airflow. The purpose of this study was to analyze and determine the relationship between Non-Rebreathing Mask Oxygen Therapy Techniques and Oxygen Saturation in Patients with Respiratory Disorders in the ICU at Bhayangkara Hospital, Gorontalo. This study was a quantitative study with a quasi-experimental pre-post test design. The sampling technique was total sampling. The sample size was 36 individuals. The study found an average increase in oxygen saturation before non-rebreathing mask therapy of 90.58%, while the average oxygen saturation after non-rebreathing mask therapy was 98.17%. This indicates a change in oxygen saturation in patients with respiratory disorders at Bhayangkara Hospital after receiving non-rebreathing mask oxygen therapy. The conclusion is that there is a relationship between the non-rebreathing mask oxygen therapy technique and oxygen saturation in patients with respiratory disorders in the ICU at Bhayangkara Hospital, Gorontalo, with a p-value of 0.000.

Keywords: *Respiratory Disorders; Non-rebreathing Mask; Oxygen Saturation*

Abstrak

Gangguan Pernapasan adalah gangguan yang terjadi pada proses pengikatan oksigen pada saluran pernapasan sehingga mengganggu aliran udara. **Tujuan penelitian** untuk menganalisis dan mengetahui hubungan Teknik Pemberian Terapi Oksigen *Non Rebrhiting Mask* Terhadap Saturasi Oksigen Pada Pasien Dengan Gangguan Pernapasan Di Ruang ICU Rumah Sakit Bhayangkara Gorontalo. **Jenis Penelitian** adalah Penelitian Kuantitatif dengan *Desain Quasy Ekperimen Pre-Post Test*. Teknik pengambilan Sampel yaitu *Total sampling*. Sampel penelitian berjumlah 36 orang. **Hasil penelitian** didapatkan ada peningkatan rerata nilai Saturasi oksigen sebelum dilakukan terapi *Non Rebrhiting Mask* adalah 90,58% sedangkan rerata nilai saturasi oksigen setelah dilakukan terapi *Non Rebrhiting Mask* adalah 98,17% yang diartikan bahwa ada perubahan saturasi oksigen pada pasien gangguan pernapasan Di Rumah Sakit Bhayangkara setelah diberikan Terapi Oksigen *Non Rebrhiting Mask.* **Kesimpulan** bahwa ada hubungan Teknik Pemberian Terapi Oksigen *Non Rebrhiting Mask* Terhadap Saturasi Oksigen Pada Pasien Dengan Gangguan Pernapasan Di Ruang ICU Rumah Sakit Bhayangkara Gorontalo dengan *p value* 0,000.

Kata Kunci : Gangguan Pernapasan; *Non Rebrhiting Mask*; Saturasi Oksigen

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