

Abstrak
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Pengaruh N95 *Filter Facepiece Respirator (FFR)* Terhadap Saturasi Oksigen Perawat Instalasi Bedah Sentral Rumah Sakit Daerah Dr. Soebandi Jember

viii + 47 hal + 3 gambar + 11 tabel + 2 lampiran

Abstrak

Pandemi COVID19 mengakibatkan perubahan penggunaan masker bedah menjadi N95 *Filter Facepiece Respirator (FFR)* selama pembedahan di kamar operasi. Kesulitan bernapas adalah masalah yang terjadi saat menggunakan N95 FFR sehingga berujung pada penurunan saturasi oksigen. Penelitian ini menggunakan desain pra eksperimental dengan rancangan *one-group pra-post test design* bertujuan untuk menilai pengaruh penggunaan N95 FFR pada perubahan nilai saturasi oksigen pada perawat kamar operasi. Populasi dalam penelitian ini meliputi perawat di Instalasi Bedah Sentral RSD dr Soebandi Jember dengan sampel 66 orang perawat. Teknik pengambilan sampel menggunakan *purposive sampling*. Pengukuran dilakukan sebelum dan setelah mengenakan N95 FFR selama operasi untuk membandingkan perubahan nilai saturasi. Rata-rata hasil penelitian ini didapatkan *mean* saturasi sebelum mengenakan N95 FFR 98,73% dan sesudah mengenakan 96,35%. Hasil penelitian dengan uji *Wilcoxon Sign Rank Test* menunjukkan p value 0,001 yang artinya ada pengaruh penggunaan N95 FFR terhadap penurunan saturasi oksigen. Berdasarkan hasil penelitian ini perlu adanya penyesuaian dalam pemilihan respirator dan durasi operasi agar lebih aman bagi perawat kamar operasi.

Kata kunci: N95 FFR, Saturasi Oksigen, Perawat Kamar Operasi
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Abstract
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The effect of N95 *Filter Facepiece Respirator* (FFR) on the Operating Room Nurses Oxygen Saturation in the Dr. Soebandi Jember Hospital

viii + 47 pages + 3 pictures + 11 tables + 2 appendices.

Abstract

The COVID19 pandemic has been in alteration of use surgical masks to N95 Filter Facepiece Respirator (FFR) during surgery in operating rooms. Breathing resistance is a problem that occurs when using the N95 FFR, which leads to a decrease in oxygen saturation. This study used a pre-experimental design with a *one-group pre-post test design* aimed at assessing the effect of using N95 FFR on oxygen saturation values changes in operating room. The population in this study included nurses in the RSD Dr. Soebandi Jember operating room with a sample of 66 nurses. The sampling technique used *purposive sampling*. Measurements maded before and after wearing the N95 FFR during operation to compare changes in saturation values. In this study, the *mean* saturation before wearing the N95 FFR was 98.73% and after 96.35%. The results of the study with the *Wilcoxon Sign Rank Test* showed p value of 0.001, which means that there is an effect of using N95 FFR on decreasing oxygen saturation. Based on the results of this study, there is a need for adjustments in the selection of a respirator and the duration of surgery to make it safer for the operating room nurse.

Keywords: N95 FFR, Oxygen Saturation, Operating Room Nurse
Bibliography 22 (2010 – 2020)