

## ABSTRAK

### PENGARUH ALGORITMA KEGAWATDARURATAN PERIANESTESI DALAM MENINGKATKAN KINERJA PERAWAT DAN PATIENT SAFETY PADA AREA ANESTESI

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**Introduksi :** Penelitian ini berfokus pada penerapan algoritma kegawatdaruratan perianestesi yang dipengaruhi oleh karakteristik individu. Manfaat penelitian ini sebagai salah satu upaya untuk mengetahui seberapa besar pengaruh algoritma terhadap kinerja perawat dan *patient safety* pada area anestesi. Tujuan penelitian ini adalah menganalisa pengaruh algoritma kegawatdaruratan perianestesi dalam meningkatkan kinerja perawat dan *patient safety* pada area anestesi.

**Metode :** Desain penelitian menggunakan kuantitatif analitik korelasional. Sampel penelitian sebesar 31 perawat yang bekerja pada area anestesi di rumah sakit kota Surabaya wilayah kerja Himpunan Perawat Anestesi Indoensia di Jawa Timur, pengambilan data menggunakan *proportional sampling*. Instrumen yang digunakan dalam penelitian ini adalah kuesioner yang telah diuji validitas dan reliabilitasnya. Analisis data menggunakan uji statistik *Regresi Moderasi*.

**Hasil dan Analisa :** Hasil penelitian ini terdapat pengaruh yang signifikan antara penerapan algoritma terhadap kinerja perawat dengan nilai *p value*  $0,000 < 5\%$ , pengaruh algoritma terhadap *patient safety* dengan nilai *p value*  $0,024 < 5\%$ , pengaruh kinerja terhadap *patient safety* dengan nilai *p value*  $0,002 < 5\%$ , pengaruh algoritma terhadap kinerja dimoderasi karakteristik individu dengan nilai *p value*  $0,000 < 5\%$  dan pengaruh algoritma terhadap *patient safety* dimoderasi karakteristik individu dengan nilai *p value*  $0,019 < 5\%$ . Hasil penelitian ini didominasi oleh pengaruh algoritma terhadap kinerja dimoderasi karakteristik individu dengan nilai *R Square* sebesar 0,658 atau 65,8%.

**Kesimpulan :** Dari hasil penelitian diatas memberikan gambaran bahwa fungsi algoritma mempunyai peranan yang penting dalam memberikan instruksi secara sistematis dan terarah, dan direkomendasikan untuk dijadikan pedoman intervensi pada kejadian kegawatdaruratan perianestesi. Hal tersebut mempunyai dampak yang positif pada kinerja perawat dan *patient safety*. Respon positif dari responden terhadap penerapan algoritma kegawatdaruratan merupakan dasar bagi Pengurus Himpunan Perawat Anestesi Indonesia untuk mengusulkan penyusunan algoritma kegawatdaruratan bekerjasama dengan tim Dokter Spesialis Anestesi Indonesia.

Kata Kunci: Algoritma, Karakteristik Individu, Kinerja Perawat, *Patient Safety*.

## **ABSTRACT**

### **THE INFLUENCE OF THE PERIANESTHESIA EMERGENCY ALGORITHM FOR IMPROVING OF NURSE'S PERFORMANCE AND PATIENT SAFETY IN THE ANESTHESIA AREA**

**By: Srieti Wijayaningsih**

**Introduction :** *These research has focused on the application of a perianesthesia emergency algorithm that influenced by individual characteristics. The benefit of these research was found out how to influence algorithms in nurse's performance and patient safety in the anesthesia area. The aim of these research was to analyze the effect of the perianesthesia emergency algorithm for improving nurse's performance and patient safety in the anesthesia area.*

**Method :** *The research designed with correlational analytical quantitative . The samples of theses study was 31 nurses who worked in the anesthesia area at the Surabaya City Hospital in the working area of the Indonesian Anesthesia Nurse Association in East Java, that data were collected with proportional sampling. The instrument used was a questionnaire that has been tested for validity and reliability. Data analysis used the Moderated Regression statistical test.*

**Results and analysis :** *The results of these study showed that has significant effect between the application of the algorithm to nurse's performance with p value of  $0.000 < 5\%$ , the effect of the algorithm to patient safety with p value of  $0.024 < 5\%$ , the effect of performance to patient safety with p value of  $0.002 < 5\%$ , the effect of the algorithm to performance was moderated by individual characteristics with p value of  $0.000 < 5\%$  and the effect of the algorithm to patient safety was moderated by individual characteristics with p value of  $0.019 < 5\%$ . The results of these study were dominated by the effect of the algorithm on performance moderated by individual characteristics with an R Square value of 0.658 or 65.8%.*

**Conclusion :** *The results of these research made projection that algorithm function has an important role for providing systematic and directed instructions, and it has recommended to be used as an intervention guide in the event of a perianesthesia emergency. These results have positive impact on nurse performance and patient safety. The positive response from respondents to implemented of the emergency algorithm that based for the Management of the Indonesian Anesthesia Nurse Association to propose the preparation of an emergency algorithm in collaboration with a team of Indonesian Anesthesia Specialist Doctors.*

**Keywords:** *Algorithm, Individual Characteristics, Nurse Performance, Patient Safety.*