**Cover Letter**

November 25, 2021

Editorial in Chief

Dear Editor of JAI (Jurnal Anestesiologi Indonesia)

I am submitting our manuscript for consideration of publication in Critical Care and Shock. The manuscript is entitled “Medication errors among the anesthetic health care providers and the role of drug dosage calculator applications in their prevention”. It has not been published elsewhere or submitted simultaneously for publication elsewhere.

One of the predicaments in patient safety is medication error or medication error. Medication errors can potentially prolong the length of stay in the hospital, increase the cost of treatment, and increase the risk of morbidity and mortality. Anesthesiologists are particularly synonymous with the utilization of high-alert drugs. High alert drugs are a class of drugs that have a higher risk of inducing significant harm in patients if incorrectly administered. Medication error is a preventable problem. National surveys in the US and the UK found that all healthcare providers working in the anesthesiology field, including nurse anesthetists, resident anesthetists, and consultant anesthesiologists, relished using a dose calculator installed in their smartphones, and found it helpful in their work when administering anesthetic drugs, whether inhalation, local or general This literature review will synthesize the types of medication errors, trends of aforementioned error in the world of anesthesia, and the benefits of drug dose calculators in patient safety in anesthesia practice.

Thank you very much for your consideration.

Yours Sincerely,

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