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**EVALUASI IMPLEMENTASI SISTEM PERESEPAN ELEKTRONIK
DALAM MENCEGAH *MEDICATION ERROR* PADA TAHAP
PRESCRIBING DI RUMAH SAKIT DR. ASMIR SALATIGA**

ABSTRAK

Latar Belakang: Kesalahan pengobatan (*medication error*) berdampak negatif terhadap keselamatan pasien, tahap yang paling sering terjadi pada tahap *prescribing*. Implementasi sistem peresepan elektronik diharapkan dapat mengurangi resiko adanya kesalahan ini. Tujuan penelitian ini untuk mengetahui apakah terjadi *medication error* di Instalasi Rawat Jalan Rumah Sakit dr Asmir Salatiga, berdasarkan indikator pada tahap *prescribing* pada resep. **Metode:** Penelitian ini menggunakan metode deskriptif evaluatif data diambil secara prospektif. Total data sampel yang digunakan sebanyak 100 resep pasien rawat jalan yang memenuhi kriteria inklusi dan eksklusi. Sampel diperoleh secara acak (*random sampling*) selama periode Desember 2024-Januari 2025. Analisis data dilakukan berdasarkan indikator *medication error* pada tahap *prescribing*. **Hasil:** Berdasarkan penelitian, dari 100 resep yang dianalisis, ditemukan dua kejadian *medication error* pada tahap *prescribing*, yaitu tidak adanya kekuatan sediaan obat 2% dan polifarmasi 32%. Kesalahan ini yang memerlukan adanya perbaikan sistem dan peningkatan pengawasan tenaga kesehatan untuk menanggulangi terjadinya *medication error*. **Simpulan:** Berdasarkan hasil penelitian dapat disimpulkan peresepan elektronik di Instalasi Rawat Jalan di Rumah Sakit dr Asmir Salatiga dapat mengurangi mengurangi *medication error* pada indikator tahap *prescribing* dengan jumlah tidak adanya kekuatan sediaan sebanyak 2% dan polifarmasi sebanyak 32%.

Kata Kunci: *medication error*, *prescribing*, peresepan elektronik

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**EVALUATION OF THE IMPLEMENTATION OF AN ELECTRONIC
PRESCRIBING SYSTEM IN PREVENTING MEDICATION ERRORS AT
THE PRESCRIBING STAGE AT DR. ASMIR SALATIGA HOSPITAL**

ABSTRACT

Background: Medication error is an error in medication that can negatively affect patient safety, adverse events for patients, due to the use of drugs during the treatment of health workers, which can actually be prevented. This medication error often occurs in hospitals, one of the most common stages of medication error is the prescribing stage. The implementation of an electronic prescribing system is expected to reduce the risk of this error. The purpose of this study is to find out whether there is a medication error in the prescription at the Outpatient Installation of Dr. Asmir Salatiga Hospital, based on indicators at the prescribing stage. **Methods:** This study uses a descriptive method of evaluative data taken prospectively. The total sample data used was 100 outpatient prescriptions that met the inclusion and exclusion criteria. Samples were obtained randomly (random sampling) during the period of December 2024-January 2025. Data analysis was carried out based on medication error indicators at the prescribing stage. **Results:** Based on the study, out of 100 prescriptions analyzed, two instances of medication errors were found at the prescribing stage, namely the absence of drug strength of 10% and polypharmacy 34%. This mistake requires system improvements and increased supervision of health workers to improve patient safety. **Conclusion:** based on the results of the study, it can be concluded that the implementation of the electronic prescribing system in the Outpatient Installation at Dr. Asmir Salatiga Hospital has been effective in reducing medication errors, especially in the prescribing stage indicators.

Keywords: medication error, prescribing, electronic prescribing