

ABSTRACT

STUDY OF DRUG INTERACTION ORAL ANTIDIABETIC AT 36 MERR PHARMACY SURABAYA

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Drug interactions are one of eight categories of drug-related problems that can affect patient clinical outcomes. With the increasing complexity of drugs used in current treatment and the tendency for polypharmacy practice, the possibility of drug interactions is greater. The purpose of study was to determine the potential for drug interactions in diabetes mellitus patients at the 36 Merr Pharmacy Surabaya. A total of 66 recipes have been observed, of the prescriptions that have been observed male sex suffers more from diabetes mellitus, namely as many as 38 prescriptions (57,58%) than women with a total of 28 prescriptions (42,42%). Of the 66 prescriptions, 35 (53%) had potential drug interactions and 31 (47%) had no potential for drug interactions. As for the 35 interacting recipes, there were a total of 56 potential drug interaction events from the drugs.com application consisted of 6 (10,71%) pharmacokinetic interaction events, 36 (64.29%) pharmacodynamic interaction events, and 14 (25%)) was unknown and a total of 42 potential drug interaction events from Medscape applications consisted of 6 (14,29%) pharmacokinetic interaction events, 25 (59.52%) pharmacodynamic interaction events, and 11 (26,19%) unknown. Based on the severity of drug interactions, 54 (96.43%) of drugs.com applications had moderate severity, 2 (3.57%) had major severity, and 38 (90.48%) of medscape applications had monitor the level closely, as many as 4 (9.52%) have a serious severity level. To increase the success of treating diabetes mellitus patients, it is hoped that pharmacists can work together with doctors as prescribers to minimize drug interactions.

Keywords : Drug interactions, diabetes mellitus, prescriptions