

## ABSTRACT

### COMPARISON OF INFORMATION CONTENT OF MEDSCAPE.COM AND DRUGS.COM AS ONLINE DRUG INTERACTION CHECKERS

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Drug interactions are changes in the effects of drugs when taken together with other drugs or with foods and drinks. Potential drug interactions can easily be detected through *online drug interaction checkers*, either in the form of paid applications or freely accessible via websites such as *medscape.com* and *drugs.com*. Various online drug interaction checkers will provide different information. The aim of this research was to compare the information on *medscape.com* and *drugs.com* as *online drug interaction checkers* based on scope score and completeness score. The results of the research showed that both *medscape.com* and *drugs.com* had similar scope score (84.38%) because there are similar drug pairs that are not listed in both online interaction checkers. However, the percentage of *completeness score* was higher in *drugs.com* compared to *medscape.com* (94.46% versus 77.39%) because *drugs.com* provides more complete information than *medscape.com*. For health workers, *drugs.com* is recommended because the references will help users determine whether drug pairs are safe or not. For future researchers, they should carry out the similar research with additional parameter, namely the inconsistency score.

**Keywords:** Drug interactions, *online drug interaction checker*, *scope score*, *completeness score*