

ABSTRACT

Fluoroquinolone Antibiotic Drug Interaction Study (Studies conducted in the Silviana Pharmacy Surabaya)

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Backgrounds :A drug interaction is an event that occurs as a result of the presence of 2 or more drug combinations. **Objectives**: This study aims to determine the severity of drug interactions that occur with fluoroquinolone drugs on prescription at the Silviana Pharmacy, Surabaya. **Methods** : collecting prescriptions for the period of May - August then screening the prescriptions and checking using the Medscape application and the drugs interactios checker to see the severity of the drug interactions.

Result : In the design of the results of this study, 246 prescriptions were obtained during the period from May to August 2022 at the Silviana Pharmacy, Surabaya, then after viewing the medscape, drug interaction checker, stockley 49 prescriptions experienced drug interactions, then studied to obtain 10 combination drugs that interact. **Conclusion** : Based on 49 interacting prescriptions, it can be concluded that there are several levels of drug severity, namely mild 2 events, monitoring closely 19 events, serious 28 events,So that it can be evauated so that further research uses other classes of antibiotics that are often uses in Silviana Pharmacies in Surabaya to add scientific insight .

Keyword : *antibiotics, fluoroquinolones, drug interactions, prescription, medscape.*