

## **ABSTRACT**

### **INTERACTION STUDY OF GI tract DRUG IN THE GEO-MEDICAL CLINIC OF SIDOARJO**

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*Drug interaction studies are conducted to determine the existence of drug interactions where there is an effect of a drug with other drugs. If the patient consumes more than one drug simultaneously, the drug has the potential for side effects, toxicity and drug interactions where the function of the drug can be increased or decreased and there is an increase in toxicity or reduce the function of the drug so that the therapeutic effect of the drug is not achieved. This study aims to determine drug interactions in the prescription of the Sidoarjo Geo-Medika Clinic. With a specific aim to determine the interaction of gastrointestinal prescription drugs at the Sidoarjo Geo-Medika Clinic based on the severity of the interaction and the mechanism of drug interaction. This research method is descriptive observational, where the research method is carried out by observing directly the prescription drugs that work on the gastrointestinal system. With the results of the analysis on the 284 prescriptions, gastrointestinal drug interactions were obtained at 15.84% and did not interact at 84.15%. The conclusions of this study are: Based on the percentage and data recapitulation of drug interaction research results and the incidence of gastrointestinal drug interactions at the Geo Medika Sidoarjo Clinic, it can be concluded that the prescriptions obtained in the period October - December 2021 obtained a total of 284 prescriptions containing gastrointestinal drugs. It is hoped that further researchers can evaluate the use of gastrointestinal drugs not only single drugs and for further research at the Geo Medika Sidoarjo Clinic can examine gastrointestinal drugs focusing on one group.*

**Keyword :** *Interaction studies, gastrointestinal drugs, descriptive observational, Clinic.*