

## ABSTRACT

**Profile of Divided Powder Prescriptions at Pharmacies in North Surabaya**

Divided powders are usually prescribed in polypharmacy that can cause drugs stability and interactions problems. Sometimes ago, there were divided powder polemics, one of them because of worries about the interaction incidence among the components of polipharmacy.

The aim of the study was to know the profile of divided powder prescription at pharmacies in North Surabaya. The study was descriptive study. Ten pharmacies in North Surabaya were chosen by simple random sampling, and the prescriptions sampling were taken from January-February 2010 prescriptions. The data was written on a collection forms, processed by Microsoft Office Excel, and showed as table and diagram.

Almost all of the general and specialty physicians still prescribed divided powders. There were 29.39% divided powder prescriptions containing 78.27% divided powder recipes. The number of drug in each divided powder recipes varied from one drug to 12 drugs, 40.99% of them contained more than five drugs in each recipe. There were 66.64% of divided powder recipes contained 10-12 packs in each recipe. All of divided powder prescriptions were written for children. The most of dosage forms used in divided powder prescription is tablets/caplets (59.03%). The conclusion of these results is physicians still desire divided powder prescriptions. Therefore, a pharmacist have to increase knowledge and skills in compounding services, so it can improve the quality of pharmaceutical services and the development of science. Besides, it is suggested to do the study about drugs stability and interactions at divided powder.

Keywords: divided powder, profile of prescription, pharmacy.