

ABSTRACT

***IMPLEMENTATION OF APRIORI ALGORITHM METHOD TO
FIND ASSOCIATION RULES MEDICINE DATA IN PORT
MEDICAL CENTER HOSPITAL JAKARTA***

By

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Management of the data currently has put forward information technology in its application. This is intended to facilitate data management so that the quality of the data that is processed becomes higher quality. In addition, data managed with information technology will produce useful information to get the results for decision making. One application of information technology in data mining. Data mining itself is a method for finding certain information from a large amount of data collection.

The Performance Report of the Directorate of Public Drug Management and Health Supplies in 2019, provides a chart that discusses pharmaceutical installations that manage drug and vaccine data by province in Indonesia. Based on the graph, it is estimated that the lowest drug and vaccine management data in DKI Jakarta is only 50 percent. From this, it is related to the management of drug or vaccine data within the scope of DKI Jakarta to be further improved.

In this research, an a priori algorithm will be implemented for drug transaction data owned by the Port Medical Center Hospital in Jakarta as one of the health institutions in DKI Jakarta. This study uses the Apriori algorithm with the aim of finding association rules from existing drug sales data. The results obtained from this study are the compilation of the 5 biggest rules with the pattern of purchasing certain drugs by applying a priori algorithm method. The rules obtained after setting a support calculation value of 30% and a trust value of 50%.

Keywords: apriori, association rules, data, data mining, medicine