ABSTRACT

In data mining, association rules are used to find patterns that describe the strength in the data to find relationships between items[2]. The process to find the relationship between these items can involve a lot of data, it would require the reading of data intensive, it takes time and a large computational cost. Association Rules Mining is a solution to overcome these problems. With the Association Rules Mining can be found information from a set of data and making an association rules that describe connectivity between items[2][5]. CT-Apriori algorithm is a revision of Apriori algorithms are often used in Association Rule Mining [10]. In this research will implement the CT-Apriori algorithm to discover association rules from transaction data. Using two important analytical values, Minimum Support and Minimum Confidence [2][10]. Any rules obtained derived from data transactions made by consumers. Based on the test results, the knowledge gained is the rules of association of the items purchased with the items purchased together with the value of its support and confidence. In addition, also obtained the accuracy of any rules that would be obtained.

Key Words: *data mining, association rule mining, ct-apriori*.