Abstract

C3 crime (curat, curas and curanmor) is a frequent phenomenon. In Bandung, the crime rate of C3 is very high compared to other cities in West Java. Therefore, conducted a research to find out how the pattern of crime incidents C3 in Bandung.

To solve this problem, the Association Rules method is used, because this method can extract the essence of any C3 crime data directly processed to find a pattern or rules that occur in the crime incident .. The algorithm used in this method is the Frequent Pattern Growth (FP-Growth). This algorithm is a development of the Apriori algorithm. The advantage is the efficiency of time in the search for frequent itemset, because this algorithm uses the concept tree in the search for its itemset.

By using the Association Rules method and setting the minimum value of support to 1% and the minimum 50% confidence, rules are formed as 32 rules, and can be used by the police from each Polsek in Bandung. Parameter in this research is value of confidence and value of support. Rules with the highest Confidence value prove that the rules can be used by the police.

***Keywords**: Association Rules, FP-Growth, Support, Confidence, Rules, C3*