# *Abstract*

*Text data mining or better known as text mining is being an important 'tool' for mining knowledge in the text. One of text mining types which is quite popular is keyword-based association analysis. The motivation of this keyword-based association analysis is to collect a collection of keywords or terms that often occur together and then find a correlation or association between the collection of the keywords. The core of the keyword-based association analysis is a process of association rule generated. However, in most existing applications which generate rule are implementing the single minsup so that ignore the nature of the data which have different frequencies. Therefore in this final task is applying multiple minimum support with MS Apriori algorithm in the process of generating the keyword-based association rule analysis, where by applying of the MS algorithm Apriori every item involved has various boundary minsup according to frequency of the emergence of the item in the data. From the results of testing the application of multiple minimum support to generate the rule is capable of generating frequent itemsets and association rules which are more effective with more efficient time than the application of single minsup on Apriori algorithm.*



***Keywords****: Text mining, keyword basedassociation analysis,multiple minimum support, MS Apriori*