# Abstract

*Advance in technology leads to the emergence of data diversity. Data is an important information source. In order to process the data, there are techniques which can be implemented which is Knowledge Discovery in Database(KDD). In KDD, there are data mining processes to mine information from data. One of the process is classification. Nonetheless, data diversity doesn't guarantee that data is ready to be processed. For example, large data dimention is going to make it difficult for classification task. So, preprocessing must be done.*

*Preprocessing is a step for preparing data so that the data is efficiently clean from noise, missing value, irrelevant feature, redundant feature, etc thus it will provide optimal result in classification task. In preprocessing, one of the most common method is feature selection.*

*This thesis discuss and implement how to apply the feature selection technique using Rough Sets Theory combined with MLRelevance Criterion and PRelevance Criterion is. Results from feautre selection by using that method, capable of predicting the most relevant feature. So that the level of accuracy obtained able to offset, precission, recall and accuracy prior to feature selection.*

*Keyword : Data mining, preprocessing,* classification, *Rough Set, feature selection,variable selection.*