

Abstract

Current technological advances can allow a company or organization to collect data from various sources easily and quickly. Ease in collecting these data make large volumes of data growing. The need for information from the data extracted was answered by data mining technology. *Data mining* technology is technology to mine or extract knowledge for very large data sets. An alternative approach in data mining is to look comparisons of multiple groups are called *contrast set mining*.

Contrast set mining in detecting the use of contrast sets between different data groups. Contrasting sets by finding the similarities between pairs of attributes and values in a data set. Contrast set mining can be done using *subgroup discovery*. One of the subgroup discovery algorithm *CN2-SD*

Based on test result, obtained by rules which can be used to classify the data and also the level of accuracy obtained from *rule*.

Keywords : *data mining, contrast set mining, subgroup discovery, cn2-sd, rule*