ABSTRACT

Classification is a task in *data mining* that determine the class of data that do not have the class label. Association rule mining is a *data mining* task that found correlation between the items in a dataset[8]. So associative classification is association rule mining that have been specified target, in this case class. CACA algorithm is one of the newest generation of associative classification algorithms. Associative classification algorithms typically have three phases namely rule generation, building classifier and classification, but in CACA algorithm there are only two by combining rule generation and building classifier into one phase. In this final project, testing has done by change the value of minsupp, minconf, and percentage split. This final project also shown that the CACA algorithm works faster in determining the proper rules, but when the value attribute in data increases, the time needed to form a single attribute value will also increase. While value of *minsupp*, *minconf*, and number of data have change, affect the value of *precision* and *recall* on each test.

Key word: classification, association rule mining, associative classification, CACA.