ABSTRACT

One of applications in data mining that use and implement ant colony algorithm is classification technique. The purpose of this final project is to implement rule construction of data mining classification – in the field of web content mining, in this case web page classification done by implemented Ant Colony Algorithm.

The classification process consist of two main steps, the first step is to construct the model, describe data class which have been determined before called data training. However, before getting data training it need one step that called pre-processing. In this step web page data is processed to get data training.

The accuracy result show that ant colony algorithm can be implemented in web page classification by doing some experiment from bbc.co.uk and abc.com, where the result show rule accuracy competitive if compare with See5. In the second step, the model used for classify the data. This final project also show a technique based HTML text processing to reduce the large number of attribute in web content mining domain.

Keywords: ant colony algorithm, data mining, classification, web content mining.