Abstract

Important things from automatic text summarization is how determine important information from a document. Important information can be obtained using extraction technique. Extraction technique is a technique which consists of the complete sequences are copied sentences and choose the parts important sentences from the original documents. Automatic text summarization with extraction techniques can be do by using some of the features text extraction. Each feature has a text extraction rate of different influences on the results of the system summary. Therefore, needed an optimization algorithm for determine level of importance or weight value of each feature extraction. One optimization algorithm that can be used is a genetic algorithm. At this final task, genetic algorithms are used to optimize the weight of feature extraction. In the training phase the genetic algorithm is able to optimize the weight of the text extraction feature that produces an accuracy of about 46%. While in the testing phase, the system generates a summary with an accuracy of 46% for ten text features. After the observation model of best chromosome, the system generates a summary with 53% accuracy for eight feature text extraction.

Keyword : *summarization, text, automatic, feature, extraction, genetic algorithm.*