

## **Abstract**

Automatic text summarization is a way of retrieving the information considered important from one or more documents. An automatic text summarizer requires text document as input and produces output in the form of a summary that is no longer than the original document.

This final task implements the fuzzy coreference method in a summarizer to generate a focused summary. To produce a focused summary, a summarizer takes a query for user inputted. Connection of entities between the query and the document will be computed and result in fuzzy coreference chains. Collection of this chain is represented in the form of a graph, then the graph clustered based on threshold values which have been determined in advance. Each sentence will have a value derived from a Harmonic Score and then sorted by highest value.

The process of evaluation to compare the resulting summary system with a summary of the results of the human using test tool called ROUGE. The test results showed that fuzzy coreference method has poor performance in generating summaries.

**Keywords:** automatic text summarization, fuzzy coreference, fuzzy coreference chain, Harmonic Score.