

## ***ABSTRACT***

*Measurement of relation between word or text has meet an obstacle in the process of implementation that it required a large amount of knowledge. The system itself need to be able to abstract and generalized it. This measurement is called semantic relatedness. Semantic relatedness is a measurement in the text mining that act as a representation of word or text relation.*

*In this final project, method called salient semantic analysis and keyword extraction are used in the implementation of semantic relatedness. Salient semantic analysis is known to be able to give result with good accuracy. In the testing scenario, the highest correlation of word relatedness is 0.2137 and the highest accuracy of text relatedness is 83.3%.*

***Keywords :*** *semantic relatedness, salient semantic analysis, keyword extraction*