ABSTRACT

Al-Quran is a guide for the life of mankind, especially Muslims. Al-Quran has arranged all matters relating to aspects of human life during the world. Studying the content of the Qur'an is essential and obligatory for Muslims to survive the world and the hereafter. One way to study the content of the Qur'an is to understand what is good and what is not good according to Allah, as it is written in the Qur'an. By applying sentiment analysis, this study will try to classify verses of the Qur'an based on its polarity. In determining the polarity of the Quran, this final project uses the Pointwise-Mutual-Information (PMI) and Semantic Orientation algorithms at the Quranic verse level. This final project is done by unsupervised learning method using Al-Quran translation in English as input data. Input data is then processed by the system and produce the output of the polarity of each verse of Al-Quran. From the research that has been done, it got an accuracy value of 56,25% for POS Tag Pattern feature and 78,18% for dependency feature.

Keywords : Polarity, Al-Quran, PMI, Semantic Orientation, Unsupervised Learning