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## **Abstract**

**YouTube is the number one video sharing website in the world with a total of 1.7 billion online visitors each month (June 25, 2019). Recently, YouTube Indonesia was busy with videos of the inauguration of Indonesian Cabinet ministers, Jokowi-Ma'ruf. There are 3 biggest news channels on YouTube Indonesia that show videos about the inauguration of the Indonesian Cabinet minister Maja Jokowi-Ma'ruf. Comments from the uploaded videos reached 1.3 million, 693 thousand and 1.2 million respectively. From the many comments that we can take the sentiment from the public, especially citizens, about how they think about the inauguration of prospective ministers of the Indonesian Cabinet Forward Jokowi-Ma'ruf, whether it tends to be positive, negative, or even neutral. The method used is Sentiment Analysis using the lexicon based approach. There are 2 dictionaries used at the feature extraction stage, namely SentiWordNet and Sentiment Lexicon Indonesia. The results of the system's prediction show that the majority of netizens who use the YouTube site tend to be positive with the results of the inauguration of Indonesian Cabinet ministers going forward with 2377 classified positive comments, 2261 neutral comments, and 725 negative comments. From the system test results, it was found that feature extraction using the Indonesian lexicon sentiment was better than SentiWordNet. This can be seen from the F-measure value of sentiment lexicon Indonesia which is higher than SentiWordNet, which is 0.598 compared to SentiWordNet which only obtained a value of 0.413. In addition, the Indonesian Lexicon sentiment received precision and recall values of 0.607 and 0.590 respectively, while SentiWordNet only received precision and recall values of 0.501 and 0.351, respectively.**

**Keywords: Youtube, Sentiment Analysis, Lexicon Based, SentiWordNet, Sentiment Lexicon Indonesia**