Detect Misleading Information About Covid-19 Vaccines on Social Media Using the Naïve Bayes Algorithm

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ABSTRACT

Various kinds of information that appear on social media, especially Twitter, become a material consideration regarding the veracity of this information, especially discussions regarding the Covid-19 vaccine, the contents contained therein or information that discusses vaccines, whether they are side effects, the application of mandatory regulations for the Covid-19 vaccine and so on. Based on this, it is necessary to carry out a detection of misleading information, by implementing an application to check information. Checking this information is based on matching the information with mainstream media such as Kompas.com, the Ministry of Health, Detik.com and Tempo.co and CNN.com. This study took 1025 tweet data, where 308 tweet data were used as testing data. In this study using the Naïve Bayes Algorithm, which obtained an accuracy of 94.48%, precission 97.23%, recall 53% and f-1 score 54.19%.

Keyword: *Misleading Information, Naïve Bayes, covid-19 vaccine, Twitter*