

Prediksi kepribadian *Big Five* dengan *Term-Frequency Inverse Document Frequency* Menggunakan Metode *k-Nearest Neighbor* pada *Twitter*

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Abstract

Twitter is a social media that has been very popular and has become a very fast dissemination of information. There is also a lot of information circulating, ranging from news, opinions, comments, and criticism all of which are positive, negative, and neutral. According to data reported statistically and based on PeerReach's research, Indonesia is the 3rd most active Twitter user in the world under the United States and Japan. From the data collection we can conduct personality analysis of a situation to see the response of the community, the media or governance of an object and the classification process itself. The method used in personality prediction research is done to classify a tweet into 5 personality forms. The personality method used by researchers is the Big Five Personality and the k-NN (k-Nearest Neighbor) classification method. the results of this study were able to obtain an accuracy value of 60,97% by weighting through the TF-IDF (Term-Frequency Invert Document Frequency) stage

Keyword : Classification, Big Five Personality, Twitter, TF-IDF, k-NN
