Abstract

In Natural Language Processing (NLP), Named Recognition Entity (NER) is a sub-discussion that is quite widely used for research. The main task of the Named Entity Recognition (NER) is to help identify and detect the entity name of a word contained in the sentence. The data sources used are Indonesian language tweets that are real time, often occur, and the number of words each tweet is limited to 280 characters. The required words on Indonesian language tweets can refer to the name of the entity of a person, location, organization. Therefore, the entity name is determined by considering the word pattern around it. In Indonesia, the average an account posts a tweet at least 1-3 tweets every day containing formal and informal sentences. This is a difficult challenge to provide the right entity naming. In this study, we conducted the naming of entity for Indonesian tweet using the Multinomial Naive Bayes Classifier algorithm. The system uses precision, recall, and f-measure as evaluation metrics. The naming of this entity is able to classify with the highest f-1 value of 80%.

Kata Kunci : Natural Language Processing, NLP, Named Entity Recognition, NER, Tweet, Multinomial Naive Bayes Classifier.