

## **Abstract**

A person's personality influences in determining a career choice and interests that match his personality. Big Five Personality is one model in knowing a person's personality. In this increasingly advanced era, the author conducts research by assessing a person's personality through social media, namely Twitter with the Big Five model. The difficulty of collecting data and the costs used in its collection make Twitter one of the media to predict a person's personality. In this study, we used logistic regression and the IndoBERT method to determine a person's personality. The other features used are LIWC (Linguistic Inquiry Word Count), SMOTE, and ANOVA F-Classif. Use of these other features to improve accuracy in getting results from predictions. The ratio of data usage in this study uses 80:20, where this ratio is a ratio that has been tested and gets good results. The level of accuracy using logistic regression is only 38.10%. Furthermore, with the addition of SMOTE, LIWC, and IndoBERT features, the accuracy value is 75.11%. Combining all features and methods, namely logistic regression, SMOTE, LIWC, IndoBERT, and Anova, the accuracy value is 89.57%. The most significant increase in the accuracy value was obtained when adding IndoBERT in making predictions.

**Keywords:** Big Five Personality, Logistic Regression, IndoBERT, LIWC