

## **ABSTRACT**

*Psychological test is a tool used by psychologists/psychological consulting institutions in assessing an individual, the assessment aspect can be through aptitude, interest or personality tests. Currently, some teenagers with the age range of 16-19 years do not know the talent that lies within them. In this age range, they must already know the talents that can be developed, so that when they continue their education to the tertiary level, the selection of majors is appropriate and can excel in the field they are involved in.*

*In this research, we will discuss the implementation of the logistic regression algorithm on the GATB psychological test to determine the talents of children aged 16-19 years, using a website-based application developed using a web programming language. This psychological test will measure the talents of teenagers based on the assessment contained in the GATB test. Data on test questions were obtained from books and rules related to aptitude tests were obtained from books that had been validated. This application will notify users of the suitability of users in pursuing education in Higher Education with one of the majors in the School of Electrical Engineering, Telkom University. And the accuracy of this application is 97%.*

***Keywords:*** *GATB Test, Logistic Regression, Psychological Test, Web*