

## **ABSTRACT**

*Psychological tests can help every single one to find out their interests and talents because they are one of the methods and measurement tools in psychology. Many students do not know purely psychological basic preferences, such as children after graduating from the high school level still do not know their personality. One method of knowing a person's purely psychological basic preference is by doing a psychological test on the Myers-Briggs Type Indicator (MBTI) which functions to determine an individual's intelligence and personality type through several aspects of the Myers-Briggs Type Indicator (MBTI). This study discusses the design and implementation of computer-based psychological tests based on the Myers-Briggs Type Indicator (MBTI) personality theory using the Decision Tree method as a test assessment decision-making process that is processed by web-based programming. With this test, it is hoped that students aged 19-24 can find out their purely psychological basic preferences. Based on the accuracy results obtained from the decision tree method according to the dataset and the results of the test work are 50% and this application gets 100% of the total 6 alpha tests and 58.6% of the usability tests.*

**Keywords:** *Computer -based Psychology Test, Myers-Briggs Type Indicator, Web, Decision Tree*