ABSTRACT

The intelligence quotient tests are used to explore and determine human's ability and intelligence. In its application, intelligence quotient tests still use the traditional method, the implementation by distributing sheets of questionnaires or questions that related to the objects. Objects are asked to answer questions and then the answer will be collected and calculated, and then the conclusion will be taken by the result. It will be taken a lot of time and impractical.

In this Final Project research has an answer to these deficiencis. This research discusses about designing and implementation of computer-based intelligence quotient test using fuzzy logic method to get conclusion, developed by web-based programming. The results of intelligence quotient tests score analysis has six types, there are very superior, superior, bright normal, average, dull normal, borderline-defective. The conclusion of the intelligence quotient test is the exact or non-exact intelligence dimension using the Fuzzy Logic method.

Through this final project, the author designs and implements computer-based of intelligence quotient test by utilizing the ease on getting conclusion and calculated the score of this intelligence test later. With the creation of this system, it is expected to be an intelligence test tool that facilitates the implementation of test, test scoring, management of test data, and distribution of test result.

Keywords: Fuzzy Logic, Intelligence Quotient, Computer-based, Classification.