

ABSTRACT

Expert system is one of the artificial intelligent application. Its capability of solving problems which usually done by human expert has become it's main interesting part. Expert system has been used for many part of life as a helping application. One of the application that can be made is in evaluating psychological test.

Manual evaluation has been used for common psychological test which is done by an expert. It will require long time to complete manual test evaluation when dealing with a lot of testing taker. Therefore, a computer based psychological test for IT Telkom new applicant is built in this final assignment. Expert ability of analyzing test result is made as rules which form a rule-based system. Test result evaluation will be done by the given rule-based system.

Shorter evaluation time and reduce of human error is gained by using expert system. Through the rule-based system in this computer based psychological test, new applicants psychological test can be evaluated directly and the result should help in determining which program should be taken.

Keywords : *expert system, psychological test, rule-based system*