

ABSTRACT

Information technology includes various things for example as a tool. With internet access, it can make it easier for users to be able to do various things they want, one of which is to help in conducting psychological tests. One of the areas helped by the implementation of psychological tests is the field of work. Most people are still confused with their personality and do not yet know what work suits their own personality type. This will affect a person's behavior towards the job. In the implementation of psychological tests, there are many purposes that are used as a selection tool for employee placement, knowing one's personality, knowing one's psychiatric disorders, knowing the work that matches one's personality and others.

In this study, the authors designed a system that can help figure out a person's personality type and the job that suits his or her personality type. Personality psychology tests used are Dominance, Influence, Steadiness, Compliance (DISC). In determining personality type used the score of the DISC psychological test and in determining the suitable work used decision tree algorithm based on the results of the DISC psychological test score with data that has been validated by psychologists.

The DISC psychological test system using the Decision Tree algorithm has an accuracy rate based on data partition testing of 91.52% and an alpha test value of 100%. In testing the results of the system decision obtained an accuracy of 81.82%. It can be concluded that the DISC psychological test system can meet the desired goal, which is to know a person's personality type and the work that matches the personality type.

Keywords: *Decision Tree Algorithm, DISC Psychology Test, Personality Type, Job*