CLASSIFICATION CHARACTERISTICS OF THE HUMAN PERSONALITY BASED ON TYPOLOGY OF HIPPOCRATES-GALENUS USING DECISION TREE C4.5 METHOD

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ABSTRACT

Behavioral or personality problems in students are not a simple problem, especially behavioral problems in junior high school students (JHS), there is level stage of puberity, so the change of behavior will be seen clearly in the student self. If such behavior does not receive a right appropriate handling, The behavior will be permanently attached to the student's personality. In dealing with the problem of behavior is needed to know the character of the student's personality, because it will affect how to interact and communicate to students, because if the positioning given in accordance with the character of the student's personality, bad behavior will be resolved if the positioning given is not appropriate then the prevailing is the opposite.

This research applies data mining classification technique using Decision Tree C4.5 method to classify student character including "Sanguin, Koleris, Melankolis, and Plegmatis". The attributes used are gender, age, school, number of answers A, answer B, answer C, and answer D derived from the questionnaire which is adapted from the personality plus book based on the typology of Hippocrates-Galenus. The data used in this study were 210 datas, out of five experiments using different data compositions, it is found that the selection of different training data will get a high degree of accuracy.

Kata kunci : Karakteristik Kepribadian, Tipologi *Hippocrates-Galenus*, *Classification, Decision Tree C4.5.*

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