



PROJECT REPORT

IMPLEMENTATION ALGORITHM C4.5 TO FIND RECOMMENDATION FROM GYM EXERCISE DATA

TAN, FRANCISCO ANGGA SETIAWAN
21.K1.0018

Faculty of Computer Science
Soegijapranata Catholic University
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ABSTRACT

Sport has become an important aspect of human health. One of the most common issues that discovered when participating in sports is a lack of knowledge about the sport itself. The purpose of this research is to generate recommendations from implementing the C4.5 algorithm and the Decision Tree. The research will also carry out several methods such as pre-processing consisting of Data Cleaning, Feature Selection, and Data Transformation to deliver the best data results. Data that used in this research is movement data at the gym. The performance of the C4.5 algorithm is determined by performing Validation and Testing, for this case which is include Accuracy, Precision, and Recall. This research will produce recommendations from the implementation of C4.5, the previously mentioned Decision Tree results will be examined so that a recommendation can be made.

Keyword: C4.5, Decision Tree, Machine Learning, Recommendation.

