Decision Support System For The Physical Condition Of Athletes From Several Sports Using The Simple Additive Weighting (SAW) Method (Case Study in Sports Student Activity Unit of Jember State Polytechnic)

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ABSTRACT

Initially, athletes from the Jember State Polytechnic Student Sports Activity Unit were selected only based on certificates and this was done manually, this created problems that some parties considered unfair because certificates did not guarantee good performance in the future. As a result, the author wants to overcome this problem by carrying out an initial selection based on the athlete's physical condition and creating a system. To achieve optimal performance in sports, physical condition must be improved according to the type of sport. A decision support system is needed that helps administrators and coaches manage athlete selection data based on physical condition because of the large amount of data and diversity of sports. This research will utilize methods Simple Additive Weighting to analyze data on athletes' physical conditions. The results of this research can help administrators and supervisors overcome the problems they are facing.

Keywords: Decision Support System, SAW, Sports.