Sistem Pendukung Keputusan Pemilihan Atlet Pencak Silat Di Perguruan Persinas ASAD Kabupaten Jember Menggunakan Metode *Simple Additive Weighting*

Decision Support System for the Selection of Pencak Silat Athletes at Persinas Asad College Jember Regency using the Simple Additive Weighting Method

Pembimbing (1 orang)

Nugroho Setyo Wibowo, S.T., M.T

MYCO JIHAN PASCAWYATA

Study Program of Informatics Engineering

Majoring in Information Technology

Program Studi Teknik Informatika

Jurusan Teknologi Informasi

ABSTRACT

Pencak silat is one of the cultural treasures of the archipelago. This martial sport has existed in Indonesia for a long time and is maintained until now. In the selection of athletes who will compete, a coach is very detailed in determining the athletes because not all athletes can compete in the championship. This research was conducted to facilitate the selection of silat athletes at Persinas ASAD colleges in selecting athletes who will represent the college to compete in regional championships and national level championships. By making this application using the Simple Additive Weighting method. From the results of this study, it can produce athlete selection scores quickly and accurately which will assist the coaching team in making a decision. The selection team will get the results of the selection value from the smallest value to the largest value. It is hoped that by making a website-based application for a decision support system for the selection of pencak silat athletes using the Simple Additive Weighting (SAW) method. The Simple Additive Weighting method was chosen because it is able to select the best alternative from a number of alternatives. This research was conducted by finding the weights for each attribute, then ranking them. This system can be used as a trainer's tool in making decisions to select athletes who will compete in regional and national level championships quickly and accurately.

Keywords: *Decision Support System, Simple Additive Weighting, Website*