ABSTRACT

NEW EMPLOYEE ADMISSION DECISION SUPPORT SYSTEM USING THE SAW METHOD AT PT KAWASAN INDUSTRI MEDAN

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PT. (Persero) Medan Industrial Estate is a State-Owned Enterprise (BUMN) in the business field of industrial estate processing services. This area was established on October 7, 1988, with a share composition consisting of the Indonesian government 60%, the North Sumatra Provincial Government 30%, and the Medan City Government 10%. In this study, a New Employee Admission Decision Support System was built using the SAW (Simple Additive Weighting) method. The basic concept of the SAW method is to find the number of weighted performance assessments on each alternative on all attributes. this research uses the Blackbox method testing to test the functionality so that it can be known whether the functions, inputs, and outputs of the software are in accordance with the required specifications. Blackbox Testing aims to find out whether the program has received the desired inputs, processes, and outputs. The results obtained in the test with the Blackbox Testing method are that the system functions 100% or all functional aspects needed by PT Kawasan Industri Medan running in accordance with the design and needs of the system. Based on this description, this study produced a website for making decisions on the admission of new employees at PT Kawasan Industri Medan (KIM), as a website for accepting new employees that meet the criteria and weight desired by the company, because the previous system was still carried out manually. he decision support system using the SAW method successfully displays the results of the best employee recruitment rankings.

Keywords: *Employee recruitment system, decision-making system, Simple AdditiveWeighting*