

DECISION SUPPORT SYSTEM FOR BULOG WORK PARTNER USING SIMPLE ADDITIVE WEIGHTING (SAW) METHOD

JEFRI SAHRONI

*Informatics Study Program Faculty of Science and Technology
University of Technology Yogyakarta
Jl. Ringroad Utara Jombor Sleman Yogyakarta
Email: jefrisahroni5@gmail.com*

ABSTRACT

In order to ensure the availability of sufficient food stocks, especially rice for distribution needs throughout Indonesia and to participate in efforts to empower and develop the socio-economic conditions of the surrounding community/environment, Perum BULOG opens a Partnership Program through Domestic Procurement Partners (MKP) and On-Farm partnership program. This study aims to develop a decision support system to become a partner. The decision support system built in this study is a web-based application. The decision support system is made with responsive web development techniques so that the application can adapt to all kinds of devices used. The development of this decision support system also adopts the Simple Additive Weighting (SAW) method which functions to sort and prioritize in determining partners with Bulog, Merauke, Papua Province. This decision support system has been tested using the black-box testing technique. The level of accuracy of the Simple Additive Weighting (SAW) method, the test results compare the prediction results of the system calculations with the data obtained, based on tests carried out using 14 data resulting in an accuracy rate of 92%.

Keywords: *Decision Support System, priority, website, Simple Additive Weighting (SAW)*