ABSTRACT

THE DECISION SUPPORT SYSTEM FOR THE BEST LECTURER ASSESSMENT WITH THE ANALYTICAL HIERARCHY PROCESS (AHP) METHOD, CASE STUDY AT THE FACULTY OF TEACHER TRAINING AND EDUCATION OF DEHASEN UNIVERSITY, BENGKULU

Magdalena Sundari [1)]
Dra. Asnawati., M. Kom [2)]
Indra Kanedi, S.Kom., M.Kom [2)]

The AHP method used in this decision support system can help decision-makers in solving complex problems by considering existing criteria and sub-criteria. It is hoped that this decision support system will make it easier for the faculty to assess the lecturer's performance objectively and effectively to improve the quality of education at Dehasen University, Bengkulu. The waterfall method is ready-made software that is operated by the user and carried out maintenance. Maintenance allows developers to make corrections to errors that were not detected in previous stages. Maintenance includes repairing errors. Based on the research that has been carried out through the stages of analysis, design, system development, system testing, and implementation, it can be concluded that the system built using the Analytical Hierarchy Process (AHP) method in selecting the best lecturers can provide information in the form of the best lecturers which corresponds to the criteria and conditions that the user enters. The Analytical Hierarchy Process (AHP) method uses input in the form of assessments for each criterion that can run well according to design. The decision support system with the analytical hierarchy process (AHP) method applies where the value obtained is consistent if the CR value is the same as or more than 0.1 (10%). Revisions will be made or need to be done if the value is more than 0.1 (10%).

Keywords: AHP, SPK