

Rancang Bangun dan Analisis *Decision Support System* Menggunakan Metode *Analytical Hierarchy Process* untuk Rekomendasi Kenaikan Pangkat di Polres Madiun Kota

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Abstract

Police personnel are a very important resource for police agencies. The effort to improve the performance of a police personnel is the promotion. With the assessment system of existing police performance, there are several problems, namely the accuracy of data, slow processing of data, and do not have a consistent evaluation method over time to become a reference. Therefore the promotion needs to be analyzed, calculated, computerized, and obtained the value of the results by using a decision Support system or the decision System. A police personnel are said to be worthy to climb the ranks can be known by doing the Support System Decision analysis using the Analytical Hierarchy Process (AHP) method conducted on this research. The decision Support System (DSS) is a more productive, dynamic, and innovative computer-based decision-making system. This research is made by DSS application using Analytical Hierarchy Process (AHP). To conduct a police performance assessment in Madiun City police, the researcher conducts the analysis and development of web-based systems to determine the results of the performance of police personnel to obtain the assessment results where such results can be Be the benchmark for the promotion of police personnel where the data can be used as a recommendation on the Polda of East Java. The accuracy gained from the application of the Analytical Hierarchy Process (AHP) in the decision support system is 96.703 with an error of 3,296%. While the average percentage obtained from the DSS implementation is a beta-obtained average percentage of 83.25% in system-appropriateness aspects, 80.00% on the system's ease of use, and 81.00% in the system design conformance aspect

Keywords: Decision Support System (DSS), promotion, Analytical Hierarchy Process (AHP), police.
