ABSTRACT

DECISION SUPPORT SYSTEM FOR IDEAL PLACEMENT OF PLAYERS POSITION STRATEGY IN FOOTBALL FORMATION

BY

IAN FEBIANTO
10105151

To determine the ideal position of a football player to fit the character and the expected criteria, it takes instinct sharp enough coaches and a system that can help provide a means of supporting the choice of decision-making. Normally, in conducting the process of determining the player is still done manually is to implement in the form of a paper file of the form and character assessment criteria alone players. So far, there is a coach who is less precise in determining the ideal position players because only the ego instincts and rely on the players so that there is still a coach who has not been able to objectively assess the players.

By using Analytical Hierarchy Process (AHP) as a method of Decision Support System (DSS) in the process of determining the ideal position for a player who uses several criteria (Multicriteria) for selecting an appropriate player. DSS was helping coach in making the right decision and AHP is used as a model for Multi weighting in the selection process. In the method of data collection techniques, study of literature, observation and interviews are used to the problems related. In addition, techniques and data analysis models using a structured method in which the flow of tools used are Data Flows Diagrams (DFD) and Entity Relationship Diagram (ERD). This application was built with the tools Borland Delphi (7.0) as the display interface design and MySQL as database processing media.

Based on these research can be concluded that this application is expected to help coach in the decision-making process and can change the way the assessment of the subjective become more objective.

Keywords: ***Football, Decision Support System, Analytical Hierarchy Process (AHP), Database***