Universiti Teknologi Mara

Bebola: Rule Based Expert System of Young Football Player Selection

Mohammad Sollehin Bin Abd Halim

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BEBOLA: RULE BASED EXPERT SYSTEM OF YOUNG

FOOTBALL PLAYER SELECTION

By

MOHAMMAD SOLLEHIN BIN ABD HALIM

2017845636

This project was prepared under the supervisor Madam Salehah Hamzah. It was submitted to the Faculty of Computer and Mathematical Sciences and was accepted in partial fulfilment of the requirements for the degree of Bachelor of Computer Science (Hons.)

Approved by

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Salehah Binti Hamzah

Project Supervisor

JULY 10, 2020

STUDENT DECLARATION

I certify that this paper and the project to which it refers is the product of my own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledge in accordance with the standard referring practices of the discipline.

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MOHAMMAD SOLLEHIN BIN ABD HALIM

2017845636

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ABSTRACT

Football is one of the famous sport in the school and attract many young students to join the football team in school. However, selection of young player position is not easy as the student lack of knowledge about the position requirement for every specific position. The other problem is the unorganized traditional method to select a player because of traditional method basically used coach's intuition during the selection that can be influence by unnecessary factor such as emotions. The objective of the project is to design a system which could make selection on young age football player and their position based on their skill play using rule base method. Next, to develop a rule base expert system of young football player selection based on four types of position. The third objective is to test the functionality and usability of the system. The project will implement the forward chain rule based in the expert system. The functionality and usability test has been conducted for the purpose of correctness of the system. From the testing, 4 from 5 of the student taking the test produces a same result as the position of the student in the school. The significance of the study is to help young age player to get a match position based on position skill in football. Other than that, the study can help football's coach to make selection for the new player in football at young age.

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