

Abstract

One of the problems that occur in online selection is time spent for selecting applicants' cv one by one. This problem is solved by a system that can analyze the applicant's CV and recognize characters automatically. Inputs needed in this system is CV and personal link blog applicants. The system will be equipped with the functionality to extract information from applicants' cv into data skills of applicants while the personal link blog of applicants will be used for recognizing the character of the applicant. The algorithm that used to build this decision support system is the Analytical Hierarchy Process (AHP), which is an algorithm that describes the problem of multi-factor or a complex multi-criteria into a hierarchy. The system will calculate the priority criteria by its scale for each job which is inputted by the selectors. The final output is a sorted list of applicants based on quality CV and character. A CV is called in accordance if the final status between the system and the selectors are same. If one of the criteria to have a high priority, but there are many applicants who do not meet the requirement, then the accuracy will be reduced, and vice versa. In addition to testing the validity, the system also performed tests on the priority criteria for the job. Therefore testing of the priority criteria given by the selectors is high enough, it was concluded that the priority criteria given selectors is suitable enough. After doing testing and analysis, the system has a validity of 75-90%.

Keywords: *support system, online recruitment, extraversion, curriculum vitae, AHP*