ABSTRACT

Work is something that must be done by an individual to meet his daily needs. In order to achieve a work-life balance, it is important to choose a job that matches the personality of an individual. Personality psychology is a sub-field of psychology that studies human traits and behavior in everyday life. Research shows that individual personality traits are related to the field of work in which they are performed.

*In this study, the authors want to create a system that can help job seekers get a job that matches their personality. The personality factors used are the Big Five, namely Extraversion, Agreeableness, Conscientiousness, Emotional Stability, and Intellect. This personality factor is mapped using C4.5 to get a job that matches your personality. The work fields based on the 20 Job Families are taken from the O * NET database.*

The job recommendation system based on the Big Five personality has an accuracy value of 100% and an alpha test result value of 100%. The C4.5 method used in mapping the Big Five personalities has an accuracy of 99.99%. So it can be concluded that the system that is made runs according to its purpose, namely implementing the Big Five personality factors to determine job recommendations.

Keywords: C4.5, Big Five, personality, job