INTERACTIVE WEBSITE FOR JOB INTERVIEW SIMULATION USING NATURAL LANGUAGE PROCESSING METHOD

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ABSTRACT

One of the major challenges in Indonesia is the high number of unemployed individuals, which reached 9.77 million in 2020. Many job candidates struggle due to a lack of preparation and insufficient knowledge of the company's criteria. Adequate interview preparation is crucial for success in securing a job; however, job seekers often feel confused about the process and require effective practice. Therefore, an appropriate solution to assist with job interview preparation is the implementation of an interactive job interview simulation system. This system can help job seekers identify their mistakes, receive immediate feedback, and enhance their readiness and confidence. The research method employed is qualitative, utilizing a user-centered approach. The results of the research, which applied Neural Language Processing techniques, achieved an accuracy rate of 85%, with a rapid response time and the capability of the website to accommodate multiple users simultaneously. Additionally, the features on the website function effectively according to their intended purposes. The conclusion obtained is the success of developing a web-based application that utilizes Artificial Intelligence (AI) to simulate job interviews realistically. This application also provides training experience from various types of questions relevant to different job positions, and users can obtain feedback regarding errors in order to improve the actual job interview process.

Keywords: Recruitment, Simulation, Interview, Job.