ABSTRACT

M Saifussolihin P A, *Functional Promotion of Lecturers Information System on Brawijaya University*

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The functional position of the lecturer is a position that shows the duties, responsibilities, authority and rights of a lecturer in a higher education unit which in its implementation is based on certain skills and is independent. The function of lecturer functional promotion is very important for the accreditation of universities where the lecturers take shelter. However, the process of functional promotion of lecturers has a number of problems encountered in the process. Problems in the process of promotion are met lecturers do not have their own initiative to apply for the promotion of functional positions and personnel employee is overwhelmed in processing file submission, especially in the calculation of the credit score based on filed files. Development of information system of functional increase of lecturers is a solution for the process of submission of functional lecturer position to perform circulation services and provide convenience from the side of personnel administration officers and from the faculty side. The method used is SDLC Prototyping method which includes user requirement identification, prototype creation, prototype testing, prototype improvement, and development of production version which hopefully can assist in designing this system. The result of this research is in the application of the system to overcome the problem of credit score calculation, resulting in the reduction of processing time to 5-10 minutes, and the application of the system to overcome the problem of the lack of lecturer's initiative result in automatic notification. From the results of system testing, obtained results of 100% valid of 17 test cases. Based on compatibility testing, the tested system is capable of running on various browsers.

Keywords: *information systems, functional positions, lecturers, prototyping*