

**Analisis dan Pengembangan Sistem Informasi Lembaga Sertifikasi Profesi
Politeknik Negeri Jember Menggunakan Metode *Mccall Quality Model***

*Analysis and Development of Information Systems of the Jember State Polytechnic
Professional Certification Institute Using the McCall Quality Model Method*

Pembimbing (1 orang)

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ABSTRACT

The software quality is one of the important aspects in software development. The way to get quality software is by testing the software. The LSP-POLLIJE information system is an application that is used to hold certification for students and ex-students of the Jember State Polytechnic. However, since the implementation of the LSP-POLLIJE information system, software quality testing has not been carried out. And there are several errors when the information system is carried out, such as information errors when the user logs in and information errors in displaying the maximum input description of the image which can affect software quality factors. The purpose of this study was to determine the quality level of the LSP-POLLIJE information system using the McCall Quality Model method based on Product Operation criteria using 5 factors, namely: Correctness, Usability, Integrity, Reliability and Efficiency. and suggestions obtained from participants can be used as benchmarks for the development of a better information system. The results of this study indicate that

the total value of 74.0% is included in the good category, and the highest value obtained by the Reliability factor is also included in the good category with a value of 76.0%, and the lowest value is obtained by the Correctness factor with a value of 54.4%.

Keywords : *Analysis, Development, Quality System, Product Operation, McCall Quality Model*