ABSTRACT

NURHADISAPUTRA. Software Quality Evaluation of Integrated Library Information System (INLIS) for the Librarianship Task Implementation in the National Library of Indonesia. Under direction of PUDJI MULJONO dan SRI WAHIJUNI.

Integrated Library Information System (INLIS) is software used to perform the task of librarianship, which was developed by National Library of Indonesia in cooperation with PT. Quadra Solutions since 2005 until now. This research is conducted to evaluate INLIS based on three characteristics of the software quality: functionality of the software, portability of the software and usability of the software. Black box testing used in this research is to evaluate functionality and portability of the software, and survey research is used to accommodate the usability of the software. Result of functionality test shows that INLIS accomplished 100% in Security system for different user levels, 35.9% in work form that is used to perform librarianship task, 13% in help menus availability, 100% in record control, 100% in identification of creator, 100% in export and import data; in portability test shows that INLIS accomplished 100%, which means INLIS is adaptable in different environments. In usability test, the research shows 42.48% of respondents are not agree with statements in understandibility questionnaire, 50% of respondents are not agree with statements in operability questionnaire, and 43.75% of respondents are not agree with statements in attractiveness questionnaire. Recommendation of the research is prioritized to improve INLIS to eliminate bugs and other lacks.

Keywords: Integrated Library Information System (INLIS), Software Quality Evaluation, Library Software.