

ABSTRACT

Information system of library or also known as a digital library (digital library) is a library service that provides various collections of information sources in digital or electronic formats that can be accessed via the internet. The digital library is also implemented by the Institut Teknologi Telkom Purwokerto (ITTP) library. ITTP's digital library has several obstacles that are still felt by some users such as unresponsive websites, inaccessible websites, long loading and uncomfortable interfaces, frequent errors, incomplete facilities, so quality measurement is needed. This study will use the McCall method on the product operations perspective. The McCall method is a software measurement method that has the most complete and in-depth criteria and has good accuracy and detail so that it can be used to test and guarantee the quality of information system software. This research aims to produce a quality percentage category of quality measurement using the McCall method and to produce recommendations that can improve the quality of the website's digital library. The results of the measurement of the quality of the ITTP digital library using 5 factors in the McCall method, namely from 3 quality factors getting a very good category, namely the quality factor of accuracy, reliability and usability with each quality factor value of 4.79, 4.48 and 4.96, while the other 2 quality factors get a fairly good category, namely efficiency and integrity with a quality factor value of 2.99 and 2.98 respectively. From the results of these quality measurements, this study also produces several recommendations, namely it is necessary to increase the time of using digital libraries, pay attention to page loading in presenting data in the system, the language used needs to be considered in order to make it easier for users to use digital libraries, grammar in digital libraries needs to be considered. note that it is easy to reach by users. Suggestions for further research are expected to use all the quality factors that exist in the McCall method.

Keywords: digital library, McCall, product operation, quality measurement, system quality.