

ABSTRACT

Measurement of applications as a technique for controlling quality software to see the level of achievement software that continues to expanding. Directorate of Information Systems (SISFO) is developing the information system by means of test functionality. The presence of these conditions, is necessary process of performance measurement information system where it can guarantee product quality. Measurement of were performed in this research using the approach of performance testing and performance characteristics efficiency use quality models ISO / IEC 25010. The performance evaluation of the application is done on each component based on the sub-characteristics Time behavior, Resource Utilization and Capacity to see the quality of the application. Results of the evaluation showed that there are measurement defects in the sub-component on Time characteristic behavior as much as 4.54%, Resource Utilization as much as 9,1%, and of Capacity no defect is detected. As such be of particular concern and realignments of influential component.

Key word : Quality, Performance Testing, ISO/IEC 25010, Sub-Characteristics