QUALITY IMPROVEMENT OF FUNCTIONAL REQUIREMENT USING FUNCTIONAL SIZE MEASUREMENT BASED ON COSMIC ISO 19761 STANDARDS AND REFACTORING METHOD (CASE STUDY: WIKIBUDAYA)

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Abstract

A high quality software is a condition in which a system, component or process can meet user expectations. Software quality is very important since it may affect user satisfaction, intention to use and net benefit. Therefore, it is indispensable to maintain software quality level by means of improving its quality. Here, this study aims to improve the quality of functional requirement of WikiBudaya in twofold: finding defects using functional size measurement based on the COSMIC ISO 19761 standard, and refining the detected defects using refactoring method. The output of this research is a SRS (Software Requirement Spesification) report of WikiBudaya that has been refined accordance with the defect identification and refactoring method.

Keywords : Software quality, COSMIC ISO 19761, refactoring, functional requirement, WikiBudaya