SOFTWARE DEVELOPMENT COST ESTIMATION SYSTEM USING WEBSITE-BASED FUNCTION POINT METHOD

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ABSTRACT

Software development cost estimation is a crucial aspect of software project management. Accurate estimation can help organizations allocate resources, determine project feasibility, and avoid financial risks. This study aims to develop a website-based software development cost estimation system using the Function Points method. This method enables more accurate cost calculations by measuring the complexity of functions within the software. The case study for this research is the Village-Owned Enterprise (BUMDes) information system, which requires a system to improve operational efficiency and transparency in village business management. The developed system has key features, such as project data input, Crude Function Points (CFP) calculation, Relative Complexity Adjustment Factor (RCAF), programming language selection, and automatic cost estimation. Testing using the Black Box Testing method shows that the system runs well and meets user needs. With this system, it is expected that the software project planning process will become more efficient and the risk of overbudgeting can be minimized.

Keywords : *Cost estimation, Function Points, software development, BUMDes, web-based systems*