

## ABSTRACT

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Analysis of Purchase Request (PR) System Application Cost Using the Constructive Cost Model (COCOMO) Method (Case Study: Application of PT YKK AP Indonesia)

Keyword: Cost Estimation, COCOMO, Purchase Request System, ERP

(xi + 55)

Cost estimation is one of the determinants of the success of software application development projects. A cost estimate that is too small will result in low quality software being generated. On the other hand, a cost estimate that is too great will result in a waste of resources being used. Both of these will potentially be the failure of software application development projects. The cost estimation calculation is based on the effort taken to create the software application and the standard IT ManPower cost. The calculation of cost estimation discussed in this study focuses on the creation of Purchase Request (PR) System software applications, a software application supporting Enterprise Resource Planning (ERP) applications at PT. YKK AP Indonesia. The creation of PR System software applications is based on the high cost of customization on ERP applications, so that PT. YKK AP Indonesia took the initiative to create an ERP support application with the aim of reducing the existing costs required. The required cost requirements should be estimated although the working resources are from internal IT PT. YKK AP Indonesia itself. Estimated calculations will include the amount of effort performed, the length of workmanship and the number of manpowers required. The next calculation is to calculate the person-month cost that will be multiplied by the Upah Minimum Sektoral (UMS) value of Kabupaten Tangerang in 2014 as the standard person-month reference value. The calculation results will be the value in the form of Rupiah (Rp) as the total cost of making the PR system application at PT. YKK AP Indonesia.

Bibliography (2007-2014)