

Abstract

PT XYZ is a company engaged in the largest science techno park in Indonesia, especially in the field of information and communication technology (ICT) which has a division to handle software development to support its business processes. However, in its development there are still problems, namely the completion of the software development process is hampered and not optimal. To overcome the problems faced, it is necessary to take the initial step in improving the software development process is to understand the current level of process maturity. The purpose of this study is to assess the level of maturity of the software development process at PT XYZ. The framework used is CMMI-Dev, which is used as a reference to measure the level of maturity of the process. The assessment was carried out using the Standard CMMI Appraisal Method for Improvement (SCAMPI) method. The results of measuring the level of project maturity at PT XYZ showed that it had not met level 1. In an effort to improve the level of maturity, appropriate recommendations were given from practices that had not been implemented and the creation of prototypes.

Keywords: maturity level, software process improvement, CMMI-Dev, prototype.
