ABSTRACT

DETERMINING THE COMPETENCY PROFILE OF THE SOFTWARE DEVELOPMENT TEAM USING QUANTITATIVE METHODS IN INDONESIA

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The increasing demand for software applications has a direct impact on managing software projects and the importance of collaborating with the software development team. Poor project management can lead to large project costs and work that is not in accordance with the plan. For this reason, research is needed to determine the profile of team competency in developing software. Team competency consists of soft competencies and hard competencies. Team competency is needed to achieve the success of a software project. The success of a project is influenced by 3 factors, namely, factors related to humans, factors related to the process and factors related to technical matters. Of the three factors which are human-caused factors, namely skill, leadership, commitment and motivation.

This Final Project aims to determine the competence of the software development team by using a quantitative approach. The quantitative approach method begins by collecting data from various software developers through a questionnaire and then performs statistical calculations by testing the validity and reliability, as well as calculating gap analysis or profile matching which will produce a competency profile for the software development team in Indonesia.

Keywords: soft competencies, hard competencies, competency models, quantitative method.