

Abstract

CV Shankara Prima Indonesia is a small business engaged in exporters of raw commodities for agricultural and plantation products from across Indonesia, to improve business effectiveness and effectiveness, the company makes a system using openERP which consists of a website module, CRM and Inventory.

In order for the infrastructure to be quickly completed and released a minimum viable product that the team can immediately publish the team propose to use Agile development methods, however from the given environment and specifications there are indications and potential risks that can lead to project failure.

Therefore, it is proposed to integrate risk management with the Risk Poker method into the Agile development. The assessment process uses the Kanban risklog based on the sprint backlog, analysis and mitigation are carried out simultaneously with the sprint phase so that it does not disrupt the Agile cycle and the product can still be delivered.

From the results of the evaluation of risk management activity of the openERP development project and the methods applied in it, the results showed that the level of effectiveness of handling 0.2941, 0.7667 and 1 for 3 consecutive sprints and the most incidents occurred within development, operational, and user risk categories and from the observations the method did not disrupt the Agile cycle but there were 9 unrecorded risk incidents that came from outside the tasklist unsupervised. The number of risk incidents and the cumulative value of risk points decreased with sprint 2 because the team and the system considered stable.

Keywords: *Agile, Risk Management, Risk Poker, Risk Assessment*