ABSTRACT

PT. XYZ is a company engaged in the procurement of services and civil construction for telecommunications, located in Bandung. Among its activities are the purchase of raw materials, provision of materials, and construction of networks for telephone, internet, and TV. One of its projects, the Ducting Telephone Project (R-29), is currently experiencing issues of overbudget and being behind schedule. This situation has arisen primarily due to the lack of an effective information tool such as a monitoring and controlling *dashboard*. The company struggles with regularly tracking project progress, managing budgets, and ensuring adherence to schedules. The inability to accurately identify and address project issues has led to inefficiencies, delays, and potential budget overruns. This study aims to identify and design a Project Monitoring and Controlling *Dashboard* tailored to PT. XYZ's needs. The methodology employed in the design of this *Dashboard* includes *Agile* and *Lean development*, comprising four phases: Think and Plan, Design and Create Minimum Viable Product, Development, and Testing. The initial phase involves needs analysis and planning. Subsequently, an initial prototype is developed in the second phase. During the Development phase, the design is realized into a product, and the Testing phase ensures that the *dashboard* meets specifications. The designed Project Monitoring and Controlling *Dashboard* encompasses all the need statements identified in the previous stages. The *dashboard* features include Project Overview, Project Financial Tracking, Project Timeline, Project Milestone, Project Logistic, Project Performance, and Project Risk. According to *Face validation* questionnaires, the monitoring *dashboard* has been deemed valid, indicating that the instrument is of high quality and relevant for evaluating the *dashboard*, meeting users' expectations in terms of design and functionality. Additionally, the User Acceptance Test (UAT) results show a high level of user satisfaction.

Keywords: *Dashboard*, *Agile* and *Lean development*, *Earned Value Management* (EVM)