ABSTRACT

With the rapid development of information technology, various software were created to help human needs. In creating an application software, there is a methodology used in software development process, one of which is Scrum. Each methodology have factors that influence the success and failure of the software development process, human resource management is one of them. Performance analysis is one method that can help in human resources.

This study aims to design a real-time performance measurements application for the Scrum methodology by utilizing the Application Programming Interface (API) to fetch the data. This performance measurements use lead time as metric measurement that defines the elapsed time until the end time. The Scrum development team can use this data to determine the distribution of tasks for the next sprint. The result of this research is a design of real-time application performance measurements based on a website and analysis output of lead time metric.

Keywords— performance measurements, scrum, lead time