Abstract—A sprint backlog is a placeholder for user requirements written as user stories and acceptance criteria for user stories. However, there is no standard technique used to involve users in validating the requirements at the beginning of the sprint. In this research, we conducted usability testing, involving seven participants, for three given tasks before a sprint planning in the development of Angkasa Learning Management System (LMS), a pay-as-you-go LMS on top of a cloud service. In the sprint review, five participants were asked for feedback and selected the best sprint increments between the sprint A dan sprint B. For this research, both sprints were identical which the sprint B had the same user stories, but the sprint B was tested using usability testing. The results show that the user acceptances in the sprint review were increased and user requirements in the user stories were validated by the users. This research contributes to the studies of user experience practices in the Agile-based projects to increase acceptance of software products.

Keyword—Scrum, sprint backlog, acceptance criteria, usability testing

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