ABSTRACT

The BKK of SMK NU 1 Islamiyah Kramat Tegal, which was supposed to be a bridge for alumni of vocational school graduates and institutions, still has problems in distributing job vacancy information. The problem that exists is that there is no centralized vacancy information distributed by the BKK SMK NU 1 Islamiyah Kramat Tegal. Based on the existing problems, this research has the aim of developing a website-based information system that will be able to facilitate SMK NU 1 Islamiyah Kramat Tegal in distributing its graduates to the world of work. The method applied to the development of the cooperation and job fair information system is the kanban method, in the application of the kanban methodology a product backlog will be designed according to the needs of the functions that have been formed and also in accordance with the problems described by the BKK teacher. In addition, the use of the kanban method in this study is also to find out how much time it takes to complete the system to match the predetermined target. The results obtained from this research, namely the development of cooperation information systems and job fairs using the Laravel framework has been successfully implemented. The application of the kanban method can determine the time efficiency in the system development process. The system development process is considered efficient with a takt-time value of 4 days 7 hours and a total cycle time value of 83 days. With the results of testing using Black-box, it was found that the system and the features on the system run according to the use case and function requirements that have been designed, with the results of the black-box calculation for the total features of admin and alumni students, namely 15 features, which is 100%. From this study it was concluded that the kanban method was successfully applied in system development so that it can be seen that in the system development process the time used was 83 days from the specified time, which was 92 days. With features that are already running in accordance with the use case and function requirements, as well as obtaining a 100% success value in black-box testing.

Keywords - BKK SMK, Job Exchange, Kanban Method, Information System, Website.