Development of Learning Management System to Support Online Training (Distance Training) Automotive Aftersales

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ABSTRACT

Currently, distance learning (distance learning) is growing very rapidly along with the development of information and communication technology via the internet. For industry, this learning mode can be used for training for employees. However, online training in the industry is a challenge for the industry regarding the need for a proper online training platform. Therefore, this study aims to: 1) determine the need for a vocational training LMS needed by trainers and trainees to help the training process become more effective, efficient, 2) produce a Learning Management System for online employee training activities, 3) determine the feasibility Learning Management System for online employee training activities, 4) knowing user responses to the developed Learning Management System for online employee training activities.

This study uses a research development model that follows the ADDIE model with the stages: 1) Analysis of LMS needs, 2) Designing LMS products, 3) LMS product development, 4) LMS product implementation, and 5) Evaluation of LMS products developed. Data were collected through a needs analysis questionnaire, online training readiness questionnaire, feasibility questionnaire and interviews with training managers in the industry.

The results showed that the LMS needs for industrial training in the automotive after sales sector include: having an attractive, simple, elegant, complete appearance, neat and structured menus, material menus to download, using updated logos, providing notifications, status of task collection, separating materials and questions, clear pictures, and provides animation, as well as providing various learning media in the form of video tutorials, pictures, animations and text materials. The results of the LMS development for the training of automotive after sales industry employees are in the form of a training information system packaged in the Moodle platform with various features tailored to the needs of employees and industrial instructors. 2. The feasibility of the Learning Management System for online employee training activities is stated to be very feasible, judging from the aspects of the feasibility of the LMS including aspects of convenience, appearance, content management, interaction, ease of monitoring, and facilitating independent learning participants.

Kata Kunci: *Learning Management System, Industrial training, Online training, Automotive*