PENGEMBANGAN VIDEO PEMBELAJARAN TOTAL STATION UNTUK PENGUKURAN PADA PEKERJAAN KONSTRUKSI

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ABSTRACT

This study is backgrounded by the importance of the total station using for the measurement in the construction works. For this reason, a relevant step by step measurement guide is needed. These study aims are (1) to identify the development steps of a video-based learning media for the total station using in construction works, (2) to identify the specifications of the developed video-based learning media, and (3) to assess the feasible quality of the developed product according to the subject matter expert, media expert, and users. This study is a research and development (R & D) referred to the 4D (four-D) development model by Thiagarajan. This study uses questionnaires as instruments. The questionnaires are used in the processes of the expert validation and the users' feasibility assessment. These research and development conclude as follows: (1) the developed media is a learning video of the total station for construction works in a .mp4 format, the video is developed based on the four steps: (1) define, design, develop, and disseminate, (2) the learning video is made in a combination of simulator, pictures, equipment using, and audio, and disseminated with the other three supporting materials, (3) the feasible quality according to the subject matter and media experts is categorized as very feasible, while the quality according to the users (students) is categorized as feasible.

Kata Kunci: *learning video, R & D, total station*