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Developing Teaching Materials Using Electronic Books For the Extracurricular Wrestling Course Based on an Outcome-Based Education Curriculum

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This study aims to develop application-based electronic teaching materials in the wrestling extracurricular course at Medan State University by applying the Outcome Based Education (OBE) approach. This study uses a research and development (R&D) method referring to the Borg and Gall model which consists of ten systematic stages, starting from research and data collection to product dissemination. The trial subjects consisted of 30 students of the Physical Education study program consisting of an initial trial of 10 students and a trial in a large group of 20 students and 3 material experts consisting of media and language. Data collection instruments were in the form of a validation questionnaire and a user response questionnaire. Data were analyzed using quantitative descriptive analysis techniques in the form of percentages. The results of validation by experts showed that the electronic teaching materials were categorized as valid and suitable for use, both in terms of material content, media display, and language. Field trials showed that these teaching materials were able to improve students' understanding of basic wrestling techniques and support the achievement of learning outcomes. The OBE approach applied in this development succeeded in aligning learning objectives, processes, and evaluation. Thus, this application-based electronic teaching material can be used as an alternative learning resource in extracurricular wrestling learning in higher education.

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