



8 The Effectiveness of the Hybrid Learning Materials with the Application of Problem Based Learning Model (Hybrid-PBL) to Improve Learning Outcomes during the COVID-19 Pandemic

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ABSTRACT

Study aimed to see the effectiveness of the hybrid learning materials application with Problem based learning (PBL) model to improve students' outcome in evaluation course in learning outcomes at the Business Education Study Program, State University of Medan. The study used a quasi-experimental method of the Posttest control group design. Data collection was carried out by conducting tests after class. The sample selected in this study were all students of the Business Education study program in evaluation course in learning outcomes. The results showed that the application of hybrid learning with the PBL model was effective to improve learning outcomes in evaluation course in learning outcomes. The results of this study also found that the independence and creativity of student learning was higher by applying hybrid learning with problem-based learning models compared to the control class. The results of this study contributed to the lecturers' evaluation of learning outcomes in improving the quality of learning, which has been traditional, by applying hybrid learning materials with problem-based learning models, especially during the current Covid 19 pandemic and to answer the demands of learning in the industrial revolution era. 4.0.

INTRODUCTION

Each lecturer expects that the learning activities they carry out can achieve the goals set effectively, efficiently, attractively, and pleasantly so that the active learning process can be carried out to obtain maximum learning outcomes. To realize this expectation, lecturers must develop learning designs according to experience, knowledge, skills, and all available resources to support the optimal achievement of every learning activity. However, at this time, achieving this condition is not easy. Since 2020, the whole world has been shocked by the outbreak of the COVID-19 pandemic. This deadly virus has shaken all aspects of people's lives around the world, including education. With no vaccine yet found that can completely prevent humans from contracting COVID-19, one of the most reasonable ways is to limit social activities that involve physical contact, also known as Physical Distancing (Singh & Adhikari, 2020). This situation has forced many schools and campuses to temporarily close face-to-face learning activities, which is undoubtedly a challenge for any educational institution. Every academic unit is struggling to find a solution to this problem. Educational institutions must not ignore every teaching staff and students' health, but on the other hand, must also ensure that every student achieves the targeted basic abilities.

One of the compulsory courses for students that they need to take is the Evaluation course of learning outcomes. This course is essential considering that this subject is a primary subject whose competencies must be mastered by students as prospective

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