INTEGRATION OF INQUIRY/DISCOVERY LEARNING METHOD WITH BLENDED LEARNING IN UNDERWATER REMOTELY OPERATED VEHICLE (ROV) EDUCATION, COURSE: ROBOTICS

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ABSTRACT

This research aims to examine the integration of inquiry/discovery learning methods with blended learning in Underwater Remotely Operated Vehicle (ROV) education. The literature review method is employed in this study to gather data from credible sources related to the research topic.

The research findings reveal that integrating inquiry/discovery learning methods with blended learning can enhance the effectiveness of ROV education. The inquiry/discovery learning method, which allows students to develop their cognitive abilities through exploration and investigation, can be enhanced with the use of blended learning technology that provides access to online learning resources and applications that optimize interactive learning.

Moreover, the study demonstrates that ROV education with the integrated approach of inquiry/discovery learning and blended learning can increase students' motivation to learn and provide a more engaging and satisfying learning experience. However, the research emphasizes the vital role of the teacher in effectively integrating both teaching methods and optimizing the use of technology in the learning process.

In summary, this research suggests that integrating inquiry/discovery learning methods with blended learning can be an effective option in optimizing ROV education, enhancing student motivation, and improving the learning experience. Nonetheless, further research is needed to measure the impact and effectiveness of this integration in actual ROV education.

Kata Kunci: *Active Learning, Blended Learning, Robotics, ROV*