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The Effectiveness of the Quantum and Discovery Learning Models on Learning Achievement of Islamic Education in Junior High Schools

*Ifa Lidia Wati, Rihab Wit Daryono
Ponorogo State Islamic Institute, Ponorogo, Indonesia

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ABSTRACT

Objective: Low student learning outcomes in Islamic religious education lessons so that the required learning competencies are not achieved. This research aims to improve students' cognitive learning outcomes through QL and DL learning models. **Method:** The research used in this research is experimental research with the type of research used as Quasi Experiment using a non-random pretest-posttest control group design. Pretest-Posttest Non-Equivalent Control Group Design. The data collection technique used in this research was pretest and posttest in experimental classes 7A and 7B. **Results:** The results of this study show that the QL and DL methods can improve students' cognitive abilities with learning outcomes for experimental class 7A (QL) while for experimental class 7B (Discovery Learning). Meanwhile, the Independent Sample T-test results show significant differences in learning outcomes between experimental class 7A (QL) and experimental class 7B (Discovery Learning) with Sig. (2-tailed) smaller than 0.05. So, the QL learning model is more effectively used to improve students' cognitive learning outcomes than the DL learning model. **Novelty:** The application of QL in this research and the Discovery of Learning to improve student outcomes can be explored in particular educational contexts, such as STEM, arts, or foreign language learning. Both models can be adapted or modified to achieve optimal learning outcomes.

INTRODUCTION

The current condition of education in Indonesia has become the focus of discussion not only among the government but also throughout all levels of society. This condition occurs because some teachers have been unable to keep up with the changes in education. So, this impacts the weak process and implementation of learning. In the learning process, some teachers still prioritize lecture and memorization methods. So, because of this, the learning process becomes ineffective and hinders students' creativity in developing their potential. Education has a vital role in life. One education that plays an essential role in human life is Islamic Religious Education (Aisy et al., 2022; Amrianto & Lufri, 2019). Islamic religious education is a lesson that teaches students how to behave according to the teachings of the Islamic religion. However, students' interest in studying Islamic religious education needs improvement. This happens because some teachers need help to contextualize the material presented. So, learning becomes passive. Namely, the teacher explains, and the students listen; the teacher asks questions and answers. Apart from that, the material presented by the teacher could be more exciting and challenging, reducing students' motivation to learn (Asradi & Sarman, 2022).

Managing education and bringing about various educational innovations is necessary to improve the quality of effective and efficient Islamic religious education. One of the efforts teachers must make to improve education is to innovate curriculum

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