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10 July 2019



Introduction of Islamic-based Mathematics Learning Model

Iswan, Herwina Bahar, Imam Mujtaba, Misriandi and Farihen

Abstract, Various ways, steps, and strategies to improve the quality of Islamic-based mathematics learning, continue to be developed and fully integrated, including innovative and integrated learning models to achieve more successful learning in the future. This study was conducted in Laboratorium School, Faculty of Education, University of Muhammadiyah Jakarta, using classroom action research. It aims to introduce the process and improve the quality of Islamic-based mathematics teaching and learning, specifically through the introduction of Islamic based mathematical learning with a realistic approach. The results of this study showed that students learned more about mathematics from the Islamic perspective, had a better understanding of the topic, and participated more actively in the learning activities. Test results obtained from pre-cycle, cycle 1 and cycle 2 was 2.02%, and the testing through cycle 3 yielded 1.01%. As for students' responses regarding Islamic-based mathematical learning, the students mentioned that, in general, they understand and know more about religious-based mathematics after getting involved in several cycles. It was found that they were getting used to the concept, being able to understand and knowing more about Islamic-

Keywords: Improve student learning outcomes, SQ4R Model approach

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28 July 2019



Dear, Editorial in Chief

Journal of Advanced Research in Dynamical and Control Systems

I am sending back the results of a revised paper entitled Introduction of Islamic-based Mathematics Learning Model, hopefully it can be published soon, thank you.

Best regards,
Iswan

16 Sept 2019
Dear, Iswan

Congratulations for the paper entitled Introduction of Islamic-Based Mathematics learning Model, it has been published so that you can check it via email, thank you

Best regards,
Editorial in Chief

Introduction of Islamic-based Mathematics Learning Model

Iswan, Herwina Bahar, Imam Mujtaba, Misriandi and Farihen

Abstract

Various ways, steps, and strategies to improve the quality of Islamic-based mathematics learning, continue to be developed and fully integrated, including innovative and integrated learning models to achieve more successful learning in the future. This study was conducted in Laboratorium School, Faculty of Education, University of Muhammadiyah Jakarta, using classroom action research. It aims to introduce the process and improve the quality of Islamic-based mathematics teaching and learning, specifically through the introduction of Islamic based mathematical learning with a realistic approach. The results of this study showed that students learned more about mathematics from the Islamic perspective, had a better understanding of the topic, and participated more actively in the learning activities. Test results obtained from pre-cycle, cycle 1 and cycle 2 was 2.02%, and the testing through cycle 3 yielded 1.01%. As for students' responses regarding Islamic-based mathematical learning, the students mentioned that, in general, they understand and know more about religious-based mathematics after getting involved in several cycles. It was found that they were getting used to the concept, being able to understand and knowing more about Islamic-based mathematics.

DOI: [10.5373/JARDCS/V12SP7/20202208](https://doi.org/10.5373/JARDCS/V12SP7/20202208)

To cite this article: Iswan, Herwina, Teguh Ridka Fitrianto. Improving Students' Learning Results Through the SQ4R Learning Model Approach. Education Journal. Vol. 8, No. 6, 2019, pp. 239-243. doi: 10.11648/j.edu.20190806.11 Received: July 31, 2019; Accepted: August 26, 2019; Published: September 16, 2019

Education Journal

Volume 8, Issue 6, November 2019, Pages: 239-243

Received: Jul. 31, 2019; Accepted: Aug. 26, 2019; Published: Sep. 16, 2019

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Article Tools



Abstract



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Abstract

The results of observations and evaluations of students in 6th grade of Semester I, mathematics learning in 2017/2018 learning year most of the scores are still below the Minimum Completion Criticism of mathematics learning by 70. This is evidenced by the data of 17 students, 8 students or (47.06%) scored above the Minimum Completion Criticism, while 9 students or (52.94%) scored below the Minimum Completion Criticism. Based on this statement, the researcher set a solution to improve mathematics learning outcomes by using the approach of the learning model Survey, Question, Read, Recite, Reflect, and Review (SQ4R). The SQ4R model is a learning model that provides curiosity and can encourage processing in depth and breadth. The formulation of the research problem is how can student learning outcomes on mathematics subjects be improved through the use of learning models (SQ4R)? How do you implement the Survey learning model (SQ4R) can improve mathematics learning outcomes for 6th grade, students of primary school in SD Lab. School FIP-UMJ? The study was conducted in 2 cycles. Each cycle consists of 4 stages. They are planning, implementation, observation, and reflection. The research subjects were 17 students. Data collection techniques was used test material techniques. Minimum Completion Criticism score, classical learning completeness is at least 85%, and individual completeness is at least 70. Percentage of completeness in cycle I is 82.35%, and cycle II 88.24%, implementation of SQ4R model can improve Mathematics learning outcomes.

Keywords

[Improving Student Learning Results, Through the SQ4R, Learning Model Approach](#)