ABSTRACT

Yesi Dwi Febrianty. (125050083). The Influece of Quantum Learning on Increased Capacity Understanding the Concept of Mathematics High School Students.

Mathematics is a subject that contains concepts. Learned mathematics means learning concepts. Therefore, the ability of understanding the concept of mathematics are indispensable students to learn mathematics. But the fact that occur in the reality, the ability of understanding the concept of mathematics students still low. One effort that can be done in improving the ability of understanding the concept of mathematics is by taking learning model in accordance with the to be achieved. Learning model that can improve ability of understanding the concept of mathematics is a Quantum Learning model. This research aim to know if enhanced understanding the concepts of mathematics students who use Quantum Learning model better than students who use conventional learning and as to whether the students positive attitude on learning mathematics using Quantum Learning model, and to know whether there is correlate between the ability of understanding the concept of mathematics through the student attitudes. This research used an experimental method. The population in this reseacrh is a X student class of SMA Pasundan 1 Cimahi. As for sample in this research that is X-1 class and X-2 class. An instrument used in this reseach is to tests the ability of understanding the concept of mathematics and attitude scale questionnaire. The test used is a test of subjective type (description). The results of this research is increase capacity understanding the concept of mathematics students who use a Quantum Learning model better than students who use conventional learning, student attitudes is positive on learning mathematics with a Quantum Learning model, and there are correlate between the ability of the concept of mathematics with the student attitudes. Hence Quantum Learning model can be used as an alternative for teachers in implementing learning more enjoyable and meaningful.

Keyword: Quantum Learning, Understanding the Concept of Mathematics.