

ABSTRACT

This research is motivated by the lack of understanding of the concepts students understand the concepts that are common in daily life heat in the material. To overcome these problems then do research "Implementation of Cooperative Learning Type Cooperative Integrated Reading and Composition (CIRC)" in order to determine: (1) Materialize learning using cooperative learning type CIRC to the material heat. (2) Improved understanding of the concept of the students who get cooperative learning type CIRC to heat the material. This research was conducted in class X MA Al-Jawami Bandung with a sample of one class selected using simple random sampling technique. The method used in this study is a quasi-experimental method (quasi-experimental), the research carried out on a group of students (experimental group) in the absence of a comparison group (control group). The design used in this study is a one-group pretest-posttest design. Data adherence to the process of learning physics in heat material obtained from the analysis of teacher and student sheets, increasing students' understanding of the concept of heat in the material obtained from the value obtained by the students as measured by pretest and posttest as many as 14 in the form of multiple choice questions that illustrate indicators of understanding of the concept. Based on the results of data processing and analysis of the research that has been done in MA Al-Jawami Bandung concerning the application of cooperative learning type CIRC (Cooperative Integrated Reading and Composition) to enhance students' understanding of the concept of heat in the material, it is concluded: 1) The results of the analysis indicate that the observation sheet adherence to cooperative learning type CIRC every encounter increased by an average of 91.53% feasibility. 2) The average value of the initial test of 42.5 students increased as the final test to 85.7. Results calculated by Wilcoxon test showed that the students' understanding of concepts has increased significantly after application of cooperative learning model CIRC with the results of the Wilcoxon test (z test) which showed z_{count} (4.11) is greater than the value z_{table} (2.88). The magnitude of the increase in students' understanding of the concept of normal is indicated by the index gain is equal to 0.69. This value is included in the medium category.

Keywords: Cooperative Learning Type CIRC, Understanding Concepts, Quasi-experimental



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