THE ADVANTAGE OF COOPERATIVE CLASS EXPERIMENT (CCE) TEACHING METHOD OVER THE CONVENTIONAL METHOD ON STUDENTS LEARNING ACTIVITY AND ACHIEVEMENT IN INVERTEBRATES SUB TOPIC FOR GRADE X SMA NEGERI 2 BALIGE ACADEMIC YEAR 2013/ 2014

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ABSTRACT

This study was aimed to know the advantage of Cooperative Class Experiment (CCE) teaching method over the conventional method on students learning activity and achievement in Invertebrates sub topic for grade X SMA Negeri 2 Balige academic year 2013/ 2014. It was a quasi experimental research**.** The study population was all 256 students of grade X SMA Negeri 2 Balige and the samples were taken by purposive sampling. Students of the experimental class (X7) which was taught by the treatment of Cooperative Class Experiment (CCE) was 32 and the control class (X6) which was taught by the conventional method was 32, so all samples was 64 students. The tools used for data collection were a non-test instrument in the form of students learning activity observation sheet with six activity indicators and a test of multiple choice questions which consist of 30 questions with five options within. Students learning activity in CCE class was more active than control. The results showed that the average of student learning activity in experimental class was 62.63% while the control was 23.88%. Both classes passed the Minimum Completeness Criteria (MCC=76), but the average score of material mastering level in the treatment class was higher than the control. The experimental class which was taught with Cooperative Class Experiment (CCE) teaching method had mean score of 85.21 with deviation standard of 5.1, whereas the control class that taught with conventional method had mean score of 76.12 with deviation standard of 5.76. The percentage of students learning achievement increasing was 11.94%. The very significant difference of students learning achievement between experimental and control class was proved by the hypothesis testing used t-test and significance level of 0.05 (α= 0.05), where $t_{count} > t_{table}$ (6.683>1.6703) and 0.01 (α= 0.01), where $t_{count} > t_{table}$ (6.683>2.3884). In this study the H_{a1} and H_{a2} were accepted and H_{o1} and H_{o2} were rejected which meant that there was the advantage of Cooperative Class Experiment (CCE) teaching method over the conventional method on students learning activity and achievement in Invertebrates sub topic for grade X SMA Negeri 2 Balige academic year 2013/ 2014.