

**The Effect of Cooperative Learning Model Type Group
Investigation (GI) to Students Conceptual Knowledge
on StKinematic Linear Motion Topic Grade X
First Semester in SMA N 10 Medan
Academic Year 2017/2018
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ABSTRACT

This research aimed to analyze the Student's Conceptual Knowledge using Cooperative Learning type Group Investigation and conventional learning about static fluid. This research use a quasi experimental pretest and posttest with control design. The populations were 195 students grade X-science in SMA N 10 Medan academic year 2017/2018. The samples consist of two classes, one class with 30 students as experiment class and one class as control class with 30 students, while the sampling technique used cluster random sampling. Research instrument used essay test. From the research the pre-test average value of experiment class 48.33 and control class 47, the post-test with the average value of experiment class 78.33 and control class 74.17. The result of t test $t_{count} = 2.2584$ while $t_{table} = 2.0080$. Because $t_{count} > t_{table} (2.2584 > 2.0080)$ so H_0 rejected. The result showed that Student's Conceptual Knowledge in experiment class had been treated with Cooperative Learning type Group Investigation model had been significantly different from control class which had been treated with conventional learning. In addition, the improvement of Cooperative Learning type Group Investigation in experiment class was greater than control class. This meant implementation Cooperative Learning type Group Investigation has a significant effect toward Student's Conceptual Knowledge.

Keyword : SCK, CL type GI

