

**THE EFFECT OF GUIDED INQUIRY LEARNING MODEL TOWARD STUDENTS
CRITICAL THINKING SKILLS ABOUT MOMENTUM AND IMPULSE IN CLASS
X SMAN 1 BERASTAGIA.Y 2018/2019**

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ABSTRACT

The aim of this research is to know the effect of guided inquiry learning toward students' critical thinking skills about momentum and impulse in class X SMAN 1 Berastagi academic year 2018/2019. The type of this research is quasi-experiment design using pre-test and post-test, with experiment class used guided inquiry learning model and control class used conventional learning. The population is all students of class X SMAN 1 Berastagi which consist of 7 classes, sample of these research was taken with a simple random sampling are two classes, one class that is X MIPA 1 that consist of 36 students as control class and X MIPA 2 that consist of 36 students as experiment class. The instrument of this research is multiple choices as twenty questions. Based on this research the average of pre-test in experiment class is 38.75 and in control class is 37.77, and then the average of post-test in experiment class is 63.88 and in control class is 56.66. Data were analyzed with t-test with significant level 5%. This research was concluded that there was significant effect of guided inquiry learning model toward student's critical thinking skills.

Keywords: *Learning Model, guided Inquiry Learning Model, Critical Thinking Skills.*

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