

**THE EFFECT OF CONTEXTUAL TEACHING AND LEARNING (CTL)
BY USE FLASH ANIMATION MEDIA TO SUBJECT MATTER
VIBRATION AND WAVE ON GRADE XII SEMESTER 1 SMA N 2
KISARAN YEAR.2012/2013**

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ABSTRACT

This research have aim to: 1) To know learning outcome of physics by use Contextual Teaching and Learning by use flash animation media to subject matter vibration and wave on grade XII semester I SMA N 2 Kisaran. 2) To know learning outcome of physics by use Conventional model to subject matter vibration and wave on grade XII semester I SMA N 2 Kisaran . 3) To know what are effect of Contextual Teaching and learning by use flash animation media to subject matter vibration and wave on grade XII semester I SMA N 2 Kisaran.

Type of this research is quasi experiment with population all student grade XII SMA N 2 Kisaran it consist of 4 classes. Sample of this research take 2 class that determine with *cluster random sampling* technique, is grade XIIA-1 by use Contextual Teaching and Learning and grade XIIA-2 by use Conventional model. Instrument question was used in this research is multiple choise with 5 option as many 20 question was expressed valid and reliabel.

From result of research get average pretest score in experiment class is 41,88 and in control class get average pretest score is 42,81. After did treatment to each of class get average posttest in class by use Contextual Teaching and Learning as 80,31 while student by use Conventional model get average posttest score 75,63. On hypothesis testing get $t_{\text{calculate}} > t_{\text{table}}$ is $6,901 > 1,6697$ on significance level $\alpha = 0,05$ and $dk = 62$. It mean H_a accepted that mean there is a significant effect of Contextual Teaching and Learning by use flash aniamtion media to subject matter vibration and wave on grade XII smemester I SMA N Kisaran Year 2012/2013