

**THE EFFECT OF INQUIRY MODEL ON METACOGNITIVE ABILITY
OF STUDENTS' ON TOPIC STATIC FLUID FOR CLASS XI
SMA N 2 BALIGE ACADEMIC YEAR 2015/2016**

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ABSTRACT

The purpose of this research was to know the effect of inquiry model on metacognitive ability of students' on topic static fluid for class XI SMA N 2 Balige Academic Year 2015/2016. This research is a experiment quasi. The population in this research were all odd semesterclass of XI SMA N 2 Balige which consists of 7 class. This research sample was taken two class of class of XI-2 (experiment class) and class of XI-3 (control class). The results were obtained average value pretest metacognitive ability of experiment class is 44 with a deviation standard of 16.92 and the control class 43 with a deviation standard of 15.47. Based on tail two test (pretest) $t_{count} = 0.84$ and $t_{table} = 1.997$ so the beginning of the second class of sameability. While the average valuepostest of ability metacognitive experiment class was 82.74 with a deviation standard of 9.9 and the control class 76.74 with a deviationstandard of 11.76. Based on tail one test (posttest) obtained $t_{count} = 2.999$ and $t_{table} = 1.669$ so $t_{count} > t_{table}$ so H_a is accepted. So can be concluded metacognitive ability of students taught with inquiry model higher than use conventional method in SMA N 2 Balige Academic Year 2015/2016 .

Keywords: *Inquiry Model and Metacognitive.*