

**THE INFLUENCE OF GUIDED INQUIRY LEARNING METHOD WITH
MACROMEDIA FLASH MEDIA TOWARD STUDENT'S
ACHIEVEMENT IN THE SOLUBILITY AND
SOLUBILITY PRODUCT TOPIC**

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ABSTRACT

This thesis is explain about the influence of guided inquiry learning method with Macromedia Flash media toward student's achievement in the solubility and solubility product topic is explained in. This research is aimed to determine the student's achievement in the solubility and solubility product topic by guided inquiry learning method with Macromedia Flash media. The population of this research is all of students in the second year in RSBI State Senior High School 2 Kisaran. The samples were two classes which selected by random sampling methods. The experimental class is taught by guided inquiry learning method with Macromedia Flash media and control class is taught by conventional method. The research instrument is achievement test which standardized by expert validators and empiric validity. Data is analyzed by Microsoft Excel for Windows 2003. The result of test is standardized and there is obtained 20 valid items with reliability 0.937.

The influence of guided inquiry learning method with Macromedia Flash media to increase student's achievement is obtained from student's ability to answer the questions before teaching treatment (pre test) and after teaching treatment (post test) and the data are used to know normalized gain. The research result showed that the data are normal distribution and samples are homogeneous. Experimental class which is taught by guided inquiry learning method with Macromedia Flash media can increase the student's achievement in high category (0.78 ± 0.0940) and control class which is taught by conventional method can increase the student's achievement in medium category (0.59 ± 0.1124). The statistic analysis shows significant difference $t_{\text{count}} (7.6454) > t_{\text{table}} (1.6593)$. So, we can conclude that student's achievement which taught by guided inquiry learning method with Macromedia Flash media is higher than conventional method. In addition, the cognitive aspect which is improved by the implementation of guided inquiry learning method with Macromedia Flash media is C2, C3 and C4. The level of cognitive aspect is C2 (Comprehension), C3 (Application) and C4 (Analysis). Its average of normalized gain is C2 (0.92, high category), C3 (0.84, high category), and C4 (0.74, high category).