

ABSTRACT

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The development of natural science practicum guidance based on guided inquiry integrated scientific process skills grade VIII JHS was explained in this thesis. The study was aimed to find out the result of the analysis of the natural science practicum guidance in the school, to know the feasibility of natural science practicum guidance which is developed, find out the influenced of natural science practicum guidance have been based on guided inquiry and can improve scientific skills, and to know the difference of learning outcomes of learners between those who were taught with the result of development natural science practicum guidance with science practicum guidance in school. The population in this study are all students in Junior High School of Siti Hajar grade VIII in Medan. The sample of this study consisted of two classes which is categorized as one experiment class I and other as experiment class II. The instruments are using multiple choice test to see the students' achievement and assessment sheet to measure the scientific process science.

The result of the analysis of the natural science practicum guidance in the school are 3.15. The influence of natural science practicum guidance based on guided inquiry can improve scientific skills process with the skills outcomes was 92. The difference of learning outcomes of learners between those who were taught with the result of development natural science practicum guidance with science practicum guidance in school shown in the percentage of student's average gain (students' achievement) in experiment class I that taught using natural science practicum guidance is 88%, while for experiment class II, the average gain (students' achievement) is 70%. So, we concluded that students' achievement which taught by natural science practicum guidance is higher than students' achievement in experiment class II.

Keywords : *guided inquiry, natural science practicum guidance, scientific process skill, students, achievement*