

# **Workshop Preparation Mathematics Student Activity Sheet of Junior High School Using Geogebra to Improve Learning Quality**

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## **ABSTRACT**

Student Activity Sheet is one of the teaching materials that should be prepared by the instructor in accordance with the characteristics of students in improving the quality of learning because in addition there is material, as well as assignments. Especially for math teachers, Student Activity Sheet equipped with graphical visualization can increase students' enthusiasm in participating in learning. Geogebra is a software that has robust and simple features to make visualized mathematics more concrete. In addition, students must be equipped with material that is not only superior in technical terms but also concepts. For this reason, the purpose of the training is to train Geogebra assisted Student Activity Sheet to improve the quality of learning. This training is in the form of demonstration activities using Geogebra for geometry, algebra and calculus. The activity continued with assistance to participants. Activities are inserted with evaluation and reflection so that participants' needs can be accommodated. Based on the results of the questionnaire, as much as 93, 97 participants enthusiastically participated in this workshop and 85.35% of participants considered that the training activities needed to be continued in relation to Geogebra material.

Kata Kunci: *Student Activity Sheet, Geogebra, mathematics*