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**PENGGUNAAN MODEL KOOPERATIF TIPE *GI* (*GROUP INVESTIGATION*)
DISERTAI MEDIA ANIMASI UNTUK MENINGKATKAN KEMAMPUAN
REPRESENTASI VERBAL, MATEMATIK, GAMBAR, DAN GRAFIK
SISWA DALAM PEMBELAJARAN FISIKA DI SMA**

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Abstract

*Group investigation with animated media is one form of cooperative learning model which emphasizes student participation and activity to find your own material (information) that lessons will be learned through the materials available and the teachers are learning to use the media to further simplify animations in disseminating information . The purpose of this research were: to describe the increase in the ability of verbal representations, mathematical, images and graphics students after the use of cooperative models of *GI* (Group Investigation) media with animation in teaching physics in high school. The method of the research is quasi -experiment, using time series design. Analysis of the data in this study using the *N-gain*. The results of this research is to increase students' verbal representations in the high category (0.73), an increase in the mathematical representation of students in the category (0.60), an increase in image representation of students in the category (0.69), and increased graphical representation of students on medium category (0,61).*

Keyword: *Cooperative Model *GI* type, media animation, multirepresentasi abilities, and learning outcomes*