

ABSTRAK

MUHAMMAD HAIDAR YUSUF: “Implementasi Model *Group Investigation* (GI) dengan Pendekatan Jelajah Alam Sekitar (JAS) untuk Meningkatkan Keterampilan Proses Sains Siswa pada Materi Keanekaragaman Hayati”

Tujuan dari penelitian ini adalah untuk menganalisis implementasi model pembelajaran *group investigation* (GI) dengan pendekatan jelajah alam sekitar (JAS) terhadap peningkatan keterampilan proses sains siswa pada materi keanekaragaman hayati. Desain penelitian yang digunakan adalah *Nonequivalent Group Posttest Only Design*. Data dikumpulkan melalui pemberian instrument berupa lembar observasi, tes keterampilan proses sains, dan angket respon siswa. Hasil penelitian menunjukkan bahwa terdapat peningkatan keterampilan proses sains terhadap siswa yang menggunakan model pembelajaran *group investigation* (GI) dengan pendekatan jelajah alam sekitar (JAS) materi keanekaragaman hayati di sekolah SMAN Jatinangor terutama pada pembelajaran biologi. Berdasarkan analisis data diperoleh data rata – rata *posttest* 22,2 dari skor maksimum yakni 30 dan nilai *N-Gain* sebesar 0,40 dengan kategori sedang. Nilai signifikansi Asymp Sig. (2-tailed) diperoleh sebesar 0,0005 dan nilai ini $< 0,5$ yang artinya H_1 diterima.

Kata Kunci : *Group Investigation* (GI), pendekatan JAS, Keterampilan Proses Sains, Keanekaragaman Hayati



ABSTRACT

MUHAMMAD HAIDAR YUSUF: *“Implementation of Group Investigation (GI) Model with Explore Nature Around (JAS) Approach to Improve Students' Science Process Skills on Biodiversity Material”*

Science Process Skills are aspects that must be possessed by students in the 21st Century. The purpose of this study was to analyze the implementation of the group investigation (GI) learning model with the explore nature around (JAS) approach to improving students' science process skills on biodiversity material. The research design used was Nonequivalent Group Posttest Only Design. Data were distributed through the provision of instruments in the form of observation sheets, science process skills tests, and student response questionnaires. The results showed that there is an increase in science process skills of students who use the group investigation (GI) learning model with the approach of exploring nature around (JAS) biodiversity material at SMAN Jatinangor, especially in biology learning. Implementation tested through a series of statistical tests, namely normality test, homogeneity and hypothesis testing. Based on data analysis, the average posttest data is 22.2 from the maximum score of 30 and the N-Gain value is 0.40 with a moderate category. The significance value of Asymp Sig. (2-tailed) obtained is 0.0005 and this value is <0.5 which means H_1 accepted.

Keywords: *Group Investigation (GI), JAS approach, Science Process Skills, Biodiversity Material*

