

PENGARUH MODEL PEMBELAJARAN KOOPERATIF TIPE *GROUP INVESTIGATION* MELALUI *SETTING LESSON STUDY* TERHADAP KOMPETENSI PENGETAHUAN IPA SISWA SD KELAS IV GUGUS IV KECAMATAN BULELENG TAHUN PELAJARAN 2019/2020

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui perbedaan yang signifikan kompetensi pengetahuan IPA antara kelompok siswa yang dibelajarkan menggunakan model pembelajaran kooperatif tipe *group investigation* melalui *setting lesson study* dan kelompok siswa yang dibelajarkan tidak menggunakan model pembelajaran kooperatif tipe *group investigation* melalui *setting lesson study* pada siswa SD kelas IV Gugus IV Kecamatan Buleleng Tahun Pelajaran 2019/2020. Jenis penelitian ini adalah penelitian eksperimen semu dengan rancangan penelitian *non-equivalent post-test only control group design*. Populasi penelitian ini berjumlah 162 siswa. Sampel penelitian ditentukan dengan teknik *random sampling*, diperoleh kelas IV SDN 1 Penglatan berjumlah 27 siswa sebagai kelompok eksperimen dan kelas IV SDN 3 Penglatan berjumlah 23 siswa sebagai kelompok kontrol. Tes objektif digunakan untuk mengumpulkan data kompetensi pengetahuan IPA kemudian dianalisis menggunakan statistik deskriptif dan statistik inferensial (uji-t). Berdasarkan hasil perhitungan dan analisis data, diperoleh rata-rata kompetensi pengetahuan IPA siswa kelompok eksperimen, yakni 17,43 lebih besar dari rata-rata kelompok kontrol, yakni 14,27. Selain itu nilai $t_{hitung} = 2,77 > t_{tabel} = 2,01$ untuk signifikansi 5% sehingga H_1 diterima dan H_0 ditolak yang artinya terdapat perbedaan yang signifikan kompetensi pengetahuan IPA. Jadi dapat disimpulkan bahwa model pembelajaran kooperatif tipe *group investigation* melalui *setting lesson study* berpengaruh terhadap kompetensi pengetahuan IPA siswa SD kelas IV Gugus IV Kecamatan Buleleng Tahun Pelajaran 2019/2020. Dengan adanya model pembelajaran ini akan menjadi alternatif guru dalam merancang proses pembelajaran yang lebih inovatif.

Kata-kata kunci: *group investigation*, *lesson study*, kompetensi pengetahuan IPA.

**THE EFFECT OF COOPERATIVE LEARNING MODEL OF GROUP
INVESTIGATION THROUGH THE SETTING OF LESSON STUDY TO
THE COMPETENCY OF SCIENCE KNOWLEDGE AT FOURTH
GRADE STUDENTS CLUSTER IV BULELENG DISTRICT IN
ACADEMIC YEAR 2019/2020**

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ABSTRACT

This study aimed to determine a significant difference in the competence of science knowledge between groups of students who are taught using cooperative learning models of group investigation through the setting of lesson studies and groups of students who are taught not to use cooperative learning models of group investigation through the setting of lesson studies in elementary school students in fourth grade Cluster IV Buleleng district in academic year 2019/2020. This type of research is a quasi-experimental study with a non-equivalent post-test only control group design. The population of this study was 162 students. The research sample was determined by random sampling technique, obtained fourth grade students at SDN 1 Penglatan totaling 27 students as the experimental group and Fourth grade student at SDN 3 Penglatan totaling 23 students as the control group. The objective tests are used to collect data on science knowledge competence then analyzed using descriptive statistics and inferential statistics (t-test). Based on the results of calculations and data analysis, the average science competency knowledge of the experimental group students was 17,43 greater than the control group average of 14,27. In addition, the value of $t_{\text{arithmic}} = 2,77 > t_{\text{table}} = 2,01$ for a significance of 5% so that H_1 is accepted and H_0 is rejected, it means there are significant differences in the competence of science knowledge. So it can be concluded that the cooperative learning model of the type of investigation through the setting of lesson study influences the science competence of fourth grade students at elementary school in Cluster IV of Buleleng District in academic year 2019/2020. With this learning model, the teachers will be an alternative in designing more innovative learning processes.

Keywords: group investigation, lesson study, science knowledge competence.