

**LEMBAR PERSETUJUAN PEMBIMBING**

Skripsi yang berjudul

**PENGARUH PENERAPAN PENELITIAN ILMIAH REMAJA DALAM  
MODEL PEMBELAJARAN *GROUP INVESTIGATION* TERHADAP  
KERJA SAMA PESERTA DIDIK PADA PELAJARAN FISIKA  
DI KELAS XI IPA<sup>3</sup>**


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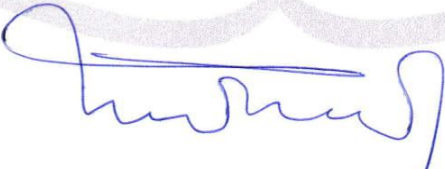
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**LEMBAR PENGESAHAN**

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**Pengaruh Penerapan Penelitian Ilmiah Remaja Dalam Model Pembelajaran  
Group Investigation Terhadap Kerja Sama Peserta Didik Pada Pelajaran  
Fisika Di Kelas XI IPA<sup>3</sup>**

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## ABSTRAK

**Azhar S. Husa.** 2018. *Pengaruh Penerapan Penelitian Ilmiah Remaja Terhadap Kerja sama Peserta Didik Pada Mata Pelajaran Fisika di Kelas XIIPA<sup>3</sup>*. Skripsi, Program Studi S1 Pendidikan Fisika, Jurusan Fisika, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Gorontalo. Dibimbing oleh Asri Arbie, dan Abd. Wahidin Nuayi.

Tujuan penelitian ini adalah untuk mengetahui pengaruh penerapan penelitian ilmiah remaja terhadap kerja sama peserta didik pada pelajaran fisika dengan menggunakan model pembelajaran fisika. Pengumpulan data dilakukan dengan cara observasi yang dilakukan oleh dua orang pengamat dengan menggunakan instrumen berupa lembar pengamatan kerja sama peserta didik. Berdasarkan hasil pengamatan dan pembahasan menunjukkan bahwa persentase kemampuan kerja sama peserta didik tiap pertemuan mengalami peningkatan. Peningkatan ini dibuktikan dengan kemampuan kerja sama yang dihasilkan dari setiap pertemuan, dimana indikator setiap pertemuan mengalami peningkatan. Indikator kerja sama sebelum menggunakan penerapan penelitian dalam model pembelajaran, saling ketergantungan positif 40.13 kategori rendah, interaksi tatap muka 47.37 kategori sedang, tanggung jawab 42.43 kategori sedang, hubungan interpersonal 48.38 kategori sedang, dan proses kelompok 43.75 kategori sedang. Indikator kerja sama setelah diberi penerapan penelitian ilmiah, saling ketergantungan positif 78.9 kategori baik, interaksi tatap muka 73.7 kategori baik, tanggung jawab 77.0 kategori baik, hubungan interpersonal 77.3 kategori baik, proses kelompok 78.0. Hasil yang diperoleh dari penelitian maka dapat disimpulkan, bahwa penerapan penelitian ilmiah remaja memiliki pengaruh yang baik terhadap kerja sama peserta didik.

**Kata Kunci:** Kerja Sama, Pelajaran Fisika, PIR.

## ABSTRACT

Azhar S. Hussa. 2018. *The Influence of Implementation of Scientific Research on Youth in Group Investigation Learning toward the Cooperation of Learners in Physics Subject in grade XI IPA<sup>3</sup>*. Skripsi. Study Program of Physics Education, Physics Department, Faculty of Mathematics and Natural Science, State University of Gorontalo. The Principal Supervisor is Asri Arbie, and The Co-supervisor is Abd. Wahidin Nuayi.

The objective of this study was to find out the influence of implementation of scientific research on youth and group investigation learning model toward the cooperation of learners in physics subject. The data collection method was observation conducted by two observers and by using the learners' cooperation observation sheet. Based on the observation and discussion, it showed that the percentage of the cooperation ability of the students for each meeting increased. This increase was proven by the ability to cooperate in each meeting, where the score of indicator for each meeting increased. The cooperation indicator before the treatment, interdependence score was 40.13 and was categorized as low, face to face interaction was 47.37 and was categorized as moderate, responsibility was 42.43 and was categorized as moderate. The interpersonal relationship was 48.38 and was categorized as moderate, and group process was 43.75 and was categorized as moderate. The cooperation indicators following the implementation of scientific research on youth within the group investigation learning model was as follow: positive interdependence was 78.9 and was categorized as good, face to face interaction was 73.7 and was categorized as good, responsibility was 77.0 and was categorized as good, interpersonal relationship was 77.3 and was categorized as good, and group process was 78.0 and was also categorized as good. This result concludes that implementation of scientific research on youth in group investigation learning model had a good influence on learners' cooperation.

**Keywords:** Group Investigation, Cooperation, Physics Learning, Scientific Research on Youth.

