

ABSTRAK

Diajeng Purwanti : Penerapan Model Pembelajaran *Process Oriented Guided Inquiry Learning* (POGIL) Terhadap Keterampilan Proses Sains Peserta Didik Pada Materi Pencemaran Lingkungan (Penelitian Pre-Eksperimen Pada Kelas VII PONPES Daar El-Qolam)

Penelitian ini dilatarbelakangi oleh kesulitan peserta didik dalam memahami konsep Biologi. Penelitian ini bertujuan untuk menganalisis perencanaan, mendeskripsikan keterlaksanaan, dan menganalisis keterampilan proses sains setelah diterapkan model pembelajaran POGIL pada materi pencemaran lingkungan. Metode dalam penelitian *Pre-eksperimen* dengan tipe *One Group Pretest-Posttest Design*. Populasi dalam penelitian ini adalah seluruh peserta didik kelas VII PONPES Daar El-Qolam. Sampel dalam penelitian ini adalah peserta didik kelas VII D dan VII E yang pengambilannya menggunakan *purposive sampling*. Berdasarkan hasil perhitungan analisis uji t berpasangan dengan α 5% kelas VII D menunjukkan nilai t_{hitung} 9,2 > t_{tabel} 1,55. Kelas VII E t_{hitung} 18,59 > t_{tabel} 1,35. Hal tersebut dapat disimpulkan bahwa terdapat perbedaan yang signifikan setelah diterapkan model pembelajaran *Process Oriented Guided Inquiry Learning* (POGIL) terhadap keterampilan proses sains peserta didik pada materi pencemaran lingkungan.

Kata Kunci: Model, Pembelajaran, POGIL, KPS



ABSTRACT

Diajeng Purwanti : Implementation Of Learning Model Process Oriented Guided Inquiry Learning (POGIL) On Science Process Skill Students In Enviromental Pollution Material (Pre-Eksperimental Research In Class VII PONPES Daar EL-Qolam).

This research is motivated by the difficulties learners in understanding the biology. The purpose of this study was to analyze the planning, describing enforceability, and analyze the science process skills as applied learning models POGIL on materials environmental pollution. This research method Pre-Eksperimental with the type of One Group Pretest- Posttest design. Research conducted at the boarding school Daar El-Qolam, subjects in this study class VII D and VII E. These results indicate that the learning device in the form of RPP and LKPD suitable for use in research. Implementation to the learning process POGIL on activities of teachers in class VII D 88,06% and VII E 80,46%. For activities of learners in class VII D 79,04% and VII E 79,28%. Analysis of the paired t-test with α 5% in class VII D shows the value $t_{count} 9,2 > t_{table} 1,55$. For class VII E $t_{count} 18,59 > t_{table} 1,35$. It can be concluded that there is a significant difference after applying a POGIL learning model to the science process skills student on environmental pollution material. .

Key words: Learning Model Process Oriented Guided Inquiry Learning (POGIL), Science Process Skills.





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