

**ANALISIS LEVEL ARGUMENTASI DAN PROSES  
PENGAMBILAN KEPUTUSAN PESERTA DIDIK SMP  
MELALUI PENERAPAN MODEL PEMBELAJARAN  
*ARGUMENT DRIVEN INQUIRY* BERBASIS  
*SOCIOSCIENTIFIC ISSUE***

**TESIS**

Disusun untuk memenuhi sebagian syarat meraih gelar Magister Pendidikan  
pada bidang Pendidikan IPA



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UNIVERSITAS PENDIDIKAN INDONESIA  
2021**

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*SOCIOSCIENTIFIC ISSUE***

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Dwi Siti Hartinah Eny Ambarawati

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Magister Pendidikan (M.Pd.) pada Program Studi Pendidikan Ilmu Pengetahuan  
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## ABSTRAK

**Dwi Siti Hartinah Eny Ambarawati (1706788). Analisis Level Argumentasi dan Proses Pengambilan Keputusan Peserta didik SMP Melalui Penerapan Model Pembelajaran *Argument Driven Inquiry* Berbasis *Socioscientific Issue***

Penelitian ini bertujuan untuk menganalisis level argumentasi dan proses pengambilan keputusan peserta didik melalui penerapan model pembelajaran *argument driven inquiry* berbasis *socioscientific issue* pada materi pencemaran lingkungan. Metode penelitian yang digunakan adalah eksperimen semu dengan desain penelitian *pretest-posttest control group design*. Populasi penelitian adalah 277 orang di salah satu SMPN di Kabupaten Bandung Barat tahun ajaran 2018/2019 dengan sampel penelitian berjumlah 52 orang yang berasal dari dua kelas yang dipilih melalui *cluster random sampling*. Instrumen yang digunakan adalah tes kemampuan argumentasi berbentuk esai, dan tes proses pengambilan keputusan juga berbentuk esai yang disusun berdasarkan indikator proses pengambilan keputusan. Kemampuan argumentasi dianalisis menggunakan *framework Toulmin argument pattern* untuk melihat komponen argumentasi yang terkandung didalamnya sehingga diketahui level argumentasi setiap peserta didik. Proses pengambilan keputusan dianalisis dengan melihat N-gain dan uji hipotesis. Hasil penelitian menunjukkan ada kecenderungan peningkatan level argumentasi dari yang sebelumnya berada pada level 1 dan 2, penyebarannya menjadi level 2, 3 dan 4, sedangkan untuk proses pengambilan keputusan, hasil uji hipotesis menunjukkan peningkatan proses pengambilan keputusan kelas eksperimen lebih unggul dibanding kelas kontrol. Sehingga dapat disimpulkan penerapan model pembelajaran *argument driven inquiry* berbasis *socioscientific issue* memberikan kontribusi terhadap peningkatan level argumentasi dan proses pengambilan keputusan.

**Kata Kunci:** *Argument Driven Inquiry, Socioscientific Issue, Level Argumentasi, Proses Pengambilan Keputusan, Pencemaran Lingkungan*

## ABSTRACT

**Dwi Siti Hartinah Eny Ambarawati (1706788). Analysis of the Level of Argumentation and Decision Making Process of Junior High School Students through the Implementation of a Argument Driven Inquiry Learning Model Based on Socioscientific Issue**

This study aims to analyze the level of argumentation and decision making process of junior high school students through the implementation of a argument driven inquiry learning model based on socioscientific issue. The research method used was a quasi-experimental research design with a pretest-posttest control group design. The study population was 277 people at one of the junior high schools in West Bandung Regency for the 2018/2019 academic year with a research sample of 52 people who came from two classes selected through cluster random sampling. The instrument used was an argumentation ability essay test, and a decision-making process essay test. Argumentation skills are analyzed using the Toulmin argument pattern framework to see the argumentation components contained therein so that each student's argumentation level is known. The decision making process is analyzed by looking at the N-gain and hypothesis testing. The results showed that there was a tendency to increase the level of argumentation from those previously at level 1 and 2, the distribution at levels 2, 3 and 4. As for the decision-making process, hypothesis test results show the increase in the decision making process of the experimental class is higher than the control class. It can be concluded that the application of an argument driven inquiry learning model based on socioscientific issues provides an increase in the level of argumentation and decision-making process.

**Keywords:** *Argumentation Level, Decision Making Process, Argument Driven Inquiry, Socioscientific Issue.*

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