

ABSTRAK

Intannia Mulya Rosa. 2023. **PENGARUH MODEL PEMBELAJARAN ARIAS (ASSURANCE, RELEVANCE, INTEREST, ASSESSMENT, SATISFACTION) TERHADAP HASIL BELAJAR DAN SELF-CONFIDENCE PESERTA DIDIK PADA MATERI TEORI KINETIK GAS**

Penelitian ini dilatar belakangi oleh rendahnya hasil belajar peserta didik pada materi teori kinetik gas dan rendahnya tingkat percaya diri peserta didik dalam pembelajaran fisika. Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran ARIAS (*Assurance, Relevance, Interest, Assessment, Satisfaction*) terhadap hasil belajar dan *self-confidence* peserta didik pada materi teori kinetik gas. Metode penelitian yang digunakan merupakan metode kuasi eksperimen dengan desain penelitian *posttest only control group design*. Populasi penelitian ini yaitu seluruh kelas XI IPA SMA Negeri 1 Sindangbarang sebanyak 4 kelas dengan jumlah 129 peserta didik. Sampel penelitian diambil dengan menggunakan teknik *cluster random sampling* sebanyak 2 kelas yaitu kelas XI IPA 4 sebagai kelas eksperimen dan kelas XI IPA 3 sebagai kelas kontrol. Untuk mengukur tingkat hasil belajar peserta didik menggunakan instrumen soal berbentuk esai sejumlah 10 soal dengan memuat ranah kognitif C1, C2, C3, C4, dan mengukur tingkat *self-confidence* peserta didik menggunakan angket berskala likert yang memuat 4 indikator. Teknik analisis data yang digunakan untuk uji prasyarat yaitu uji normalitas multivariat dan uji homogenitas multivariat, sedangkan uji hipotesis menggunakan uji *Multivariate Analysis of Variance* (MANOVA). Hasil uji hipotesis diperoleh $F_{hitung} > F_{tabel}$ yaitu $9,180 > 1,84$ dengan nilai signifikansi sebesar 0,000. Syarat nilai signifikansi $< 0,05$, artinya $0,000 < 0,05$ sehingga H_1 diterima dan H_0 ditolak. Dapat disimpulkan bahwa ada pengaruh model pembelajaran ARIAS terhadap hasil belajar dan *self-confidence* peserta didik pada materi teori kinetik gas di kelas XI IPA SMA Negeri 1 Sindangbarang tahun pelajaran 2022/2023.

Kata kunci: Hasil Belajar, Model Pembelajaran ARIAS, *Self-Confidence*, Teori Kinetik gas.

ABSTRACT

Intannia Mulya Rosa. 2023. ***THE EFFECT OF THE ARIAS LEARNING MODEL (ASSURANCE, RELEVANCE, INTEREST, ASSESSMENT, SATISFACTION) ON LEARNING OUTCOMES AND STUDENTS' SELF CONFIDENCE ON GAS KINETIC THEORY***

This research is motivated by the low learning outcomes of students in the material of gas kinetic theory and the low level of self-confidence of students in learning physics. This study aims to determine the effect of the ARIAS learning model (Assurance, Relevance, Interest, Assessment, Satisfaction) on student learning outcomes and self-confidence in the material of kinetic gas theory. The research method used is a quasi-experimental method with a posttest only control group research design. The population of this study was all class XI IPA of SMA Negeri 1 Sindangbarang, consisting of 4 classes with a total of 129 students. The research sample was taken using the cluster random sampling technique for 2 classes, namely class XI IPA 4 as the experimental class and class XI IPA 3 as the control class. To measure the level of student learning outcomes using an instrument in the form of an essay totaling 10 questions containing the cognitive domains C1, C2, C3, C4, and measuring the level of self-confidence of students using a Likert scale questionnaire containing 4 indicators. The data analysis technique used for the prerequisite test is the multivariate normality test and multivariate homogeneity test, while the hypothesis test uses the Multivariate Analysis of Variance (MANOVA) test. The results of the hypothesis test obtained, $F_{hitung} > F_{tabel}$ namely $9.180 > 1.84$ with a significance value of 0.000. The requirement for a significance value is < 0.05 , meaning $0.000 < 0.05$ so that H_i is accepted and H_0 is rejected. It can be concluded that there is an influence of the ARIAS learning model on learning outcomes and students' self-confidence in the matter of gas kinetic theory in class XI IPA of SMA Negeri 1 Sindangbarang in the 2022/2023 academic year.

Keywords: Learning Outcome, ARIAS Learning Model, Self Confidence, Gas Kinetic Theory.