ABSTRAK

Agnes Miranda Siregar, NIM 4193321002 (2023). Pengaruh Model *Discovery learning* Berbantuan Media Audiovsisual terhadap Hasil Belajar Pada Materi Gelombang Bunyi Siswa Kelas XI SMAN 1 Bilah Hulu.

Discovery learning adalah strategi pembelajaran yang mendorong siswa untuk melakukan observasi, eksperimen atau tindakan ilmiah sehingga mendapatkan hasil kesimpulan dari kegiatan yang dilakukannya. Media audiovisual memainkan peran penting dalam proses pendidikan, terutama ketika digunakan oleh guru dan siswa. Penelitian bertujuan untuk mengetahui pengaruh model *discovery learning* berbantuan media audiovisual terhadap hasil belajar pada materi gelombang bunyi siswa kelas XI SMAN 1 Bilah Hulu. Jenis penelitian yang digunakan adalah quasi eksperimen dalam bentuk *Two Group Pretest-Posttest*. Populasi dalam penelitian adalah seluruh siswa kelas XI SMAN 1 Bilah Hulu yang terdiri dari lima kelas. Sampel penelitian diambil dua kelas yaitu XI IPA-2 (sebagai kelas eksperimen) dan kelas XI IPA-1 (sebagai kelas kontrol) yang masing-masing berjumlah 30 siswa yang di tentukan dengan teknik Simple Random Sampling. Kemudian diberikan perlakuan yang berbeda, kelas eksperimen dengan model pembelajaran *discovery learning* dan kelas kontrol dengan pembelajaran konvensional. Data penelitian dikumpulkan melalui hasil belajar yaitu tes pilihan ganda yang telah divalidkan oleh validator kemudian dilakukan pengujian data melalui Uji Normalitas, Uji Homogenitas, Uji Hipotesis. Hasil analisis data menunjukkan bahwa data berdistribusi normal karena nilai L_{hitung} pada setiap pengujian yang dilakukan lebih rendah daripada L_{tabel} yang diperoleh. Dari hasil uji homogenitas diperoleh F_{tabel} pada taraf signifikan $\alpha = 0,05$ lebih besar daripada F_{hitung}, maka sampel yang diuji merupakan sampel yang homogeny dan berdasarkan pengujian hipotesis yang dilakukan diperoleh kesimpulan bahwa siswa memiliki kemampuan awal yang sama dan adanya pengaruh yang signifikan terhadap hasil belajar yang diperoleh siswa.

Kata Kunci: *Discovery learning*, Media Audiovisual, Hasil Belajar.

ABSTRACT

Agnes Miranda Siregar, NIM 4193321002 (2023). The Effect of *Discovery learning* Model Assisted by Audiovisual Media of Student Learning Outcomes in Sound Wave Material for Class XI Students of SMAN 1 Bilah Hulu.

Discovery learning is a learning strategy that encourages students to make observations, experiments or scientific actions in order to get conclusions from the activities they carry out. Audiovisual media plays an important role in the educational process, especially when used by teachers and students. The purpose of this study is to determine the effect of the discovery learning model assisted by audiovisual media on learning outcomes in sound wave material for class XI students of SMAN 1 Bilah Hulu. The type of research used is quasi-experimental in the form of Two Group Pretest-Posttest. The population in the study were all students of class XI SMAN 1 Bilah Hulu consisting of five classes. The research samples were taken from two classes, namely XI IPA-2 (as an experimental class) and class XI IPA-1 (as a control class), each of which consisted of 30 students who were determined using the Simple Random Sampling technique. Then given a different treatment, the experimental class with the learning model of discovery learning and the control class with conventional learning. The research data was collected through learning outcomes, namely multiple choice tests which had been validated by the validator and then data testing was carried out through the Normality Test, Homogeneity Test, and Hypothesis Test. The results of data analysis show that the data is normally distributed because the value of Lcount in each test is lower than the Ltable obtained. From the results of the homogeneity test, it was obtained that Ftable at a significant level $\alpha = 0.05$ was greater than Fcount, so the sample tested was a homogeneous sample and based on the hypothesis testing carried out, it was concluded that students had the same initial ability and there was a significant influence on learning outcomes obtained by students.

Keywords: Discovery learning, Audiovisual Media, Learning Outcomes.