

ABSTRAK

Sarmin Gay, 2024. Analisis Kemampuan Literasi Sains Siswa SMP Kelas VIII Pada Konsep Getaran dan Gelombang Dengan Menggunakan Model Pembelajaran Discovery Learning. Dibawa bimbingan Dr. Hj Mardia Hi Rahman M.Pd. dan Suryani Taip S.Pd., M.Sc.

Penelitian ini bertujuan untuk mengetahui adanya kemampuan literasi sains siswa kelas VIII SMP pada konsep getaran dan gelombang dengan menggunakan model pembelajaran *discovery learning*. Metode yang digunakan dalam penelitian ini adalah metode korelasional untuk kemampuan antara dua variabel yaitu variabel bebas dan variabel terikat. Analisis deskriptif dilakukan untuk melihat kemampuan literasi sains siswa. Siswa yang memiliki kemampuan literasi sangat tinggi sebanyak 0 dengan persentasi 0%, siswa yang memiliki kemampuan tinggi sebanyak 5 siswa dengan persentase 20%. Siswa yang memiliki kemampuan sedang 15 siswa dengan persentase 60%. Sedangkan siswa yang memiliki kemampuan rendah lebih banyak 5 siswa dengan persentase 20% dan siswa yang memiliki kemampuan sangat rendah 0 siswa dengan persentase 0%. Hal ini menunjukkan terdapat peningkatan setelah diterapkannya pembelajaran *discovery learning*: (1) Identifikasi Masalah, Berdasarkan hasil nilai kemampuan literasi sains siswa pada indikator mengidentifikasi masalah ilmiah, dapat diketahui bahwa nilai rata-rata keseluruhan diperoleh 18%. (2) Mengembangkan Kemungkinan Solusi, Berdasarkan hasil nilai kemampuan literasi sains siswa pada indikator mengidentifikasi masalah ilmiah, dapat diketahui bahwa nilai rata-rata keseluruhan diperoleh 17% (3) Pengumpulan Data, Berdasarkan hasil nilai kemampuan literasi sains siswa pada indikator mengidentifikasi masalah ilmiah, dapat diketahui bahwa nilai rata-rata keseluruhan diperoleh 17%. (4) Analisis dan Interpretasi Data, Berdasarkan hasil nilai kemampuan literasi sains siswa pada indikator mengidentifikasi masalah ilmiah, dapat diketahui bahwa nilai rata-rata keseluruhan diperoleh 19%. (5) Uji Kesimpulan, Berdasarkan hasil nilai kemampuan literasi sains siswa pada indikator mengidentifikasi masalah ilmiah, dapat diketahui bahwa nilai rata-rata keseluruhan diperoleh 19%.

Kata Kunci: Literasi Sains, Getaran dan Gelombang, *Discovery Learning*

ABSTRACT

Sarmin Gay, 2024 . Analysis of the Science Literacy Ability of Class VIII Middle School Students on the Concept of Vibrations and Waves Using the Covery Learning Learning Model . Under the guidance of Dr. Hj Mardia Hi Rahman M.Pd. and Mrs. Suryani Taip S.Pd., M.Sc.

This research aims to determine the scientific literacy abilities of class VIII SMP students on the concept of vibrations and waves using the *discovery learning model*. The method used in this research is the correlational method for the ability between two variables, namely the independent variable and the dependent variable. The population in this research is all students in class VIII S MP Negeri 1 Ternate City with a total of 360 students. The sample used is *Cluster Sampling* where, only one sample class. So the research sample here is class VIII-K with a total of 25 students. The data collection technique in this research used an essay test technique, then the data analysis technique used a simple linear regression test. Analysis descriptive done For see ability literacy science student . Students who have ability very high literacy as much as 0 with percentage 0 %, students who have ability tall as many as 5 students with percentage 20%. Students who have ability currently 15 students with percentage 60%. Whereas students who have ability low more lots of 5 students with percentage of 20% and students who have very low ability 0 students with percentage 0%.It is showing there is enhancement after implemented it learning d i s covery l earning : (1) Identification Problem , Based results mark ability literacy science students on indicators identify problem scientific , yes is known that overall average value obtained 18%. (2) Develop Possible Solutions, Based on results mark ability literacy science students on indicators identify problem scientific , yes is known that overall average value obtained 17% (3) Data Collection , Based results mark ability literacy science students on indicators identify problem scientific , yes is known that overall average value obtained 17%. (4) Data Analysis and Interpretation , Based on results mark ability literacy science students on indicators identify problem scientific , yes is known that overall average value obtained 19%. (5) Conclusion Test, Based on results mark ability literacy science students on indicators identify problem scientific , yes is known that overall average value obtained 19%.

Keywords: Scientific Literacy, Vibrations and Waves, *Cover Learning*