

## ABSTRAK

**Ade Apsari Furqon Aritonang** : Hubungan Antara Kemampuan Literasi Sains dan Sikap Ilmiah Siswa dengan Hasil belajar Pendekatan Saintifik dan Retensi Siswa Kelas XII MAN Tapanuli Selatan. Tesis. Medan: Program Pascasarjana UNIMED, 2020.

Penelitian ini bertujuan untuk mengetahui: Hubungan positif antara (1) kemampuan literasi sains dan hasil belajar biologi siswa (2) sikap ilmiah dan hasil belajar biologi siswa (3) kemampuan literasi sains dengan retensi siswa (4) sikap ilmiah dengan retensi siswa (5) kemampuan literasi sains dan sikap ilmiah dengan hasil belajar biologi siswa (6) kemampuan literasi sains dan sikap ilmiah dan retensi siswa kelas XII. Penelitian ini dilakukan di MAN Tapanuli Selatan tahun 2020. Metode penelitian adalah metode *penelitian deskriptif korelasional regresi linear* dengan sampel penelitian sebanyak 110 siswa yang ditentukan secara *total sampling* (sampel total). Instrumen penelitian terdiri atas tes kemampuan literasi sains, angket sikap ilmiah siswa, tes hasil belajar dan retensi siswa. Instrumen yang digunakan ang telah diuji validitas, reabilitas, daya beda dan tingkat kesukaran. Data hasil penelitian dianalisis dengan teknik analisis regresi linear sederhana dan berganda menggunakan program SPSS 21.0 *for windows*. Hasil penelitian menunjukkan: Terdapat hubungan positif antara (1) Kemampuan literasi sains dan hasil belajar biologi siswa dengan  $r^2=48,6\%$  (2) Sikap ilmiah dan hasil belajar biologi siswa dengan  $r^2=11,6\%$  (3) Kemampuan literasi sains dengan retensi siswa  $r^2=58,7\%$  (4) Sikap ilmiah dengan retensi siswa dengan  $r^2=13,7\%$  (5) Kemampuan literasi sains dan sikap ilmiah dengan hasil belajar biologi siswa dengan  $R^2=49\%$  (6) Kemampuan literasi sains dan sikap ilmiah dan retensi siswa  $R^2=59,2\%$  pada kelas XII MIA MAN Tapanuli Selatan.

Kata kunci: Kemampuan Literasi Sains, Sikap Ilmiah, Hasil Belajar, Retensi.

**ABSTRACT**

Ade Apsari Furqon Aritonang: The Relationship Between Students' Scientific Literacy Ability and Scientific Attitude with Learning Outcomes of Scientific Approach and Student Retention of Class XII MAN Tapanuli Selatan. Thesis. Medan: UNIMED Postgraduate Program, 2020.

This study aims to determine: The positive relationship between (1) scientific literacy skills and student learning outcomes (2) scientific attitudes and student learning outcomes (3) scientific literacy skills with student retention (4) scientific attitudes and student retention (5) scientific literacy skills and scientific attitudes with student learning outcomes (6) scientific literacy skills and scientific attitudes and retention of class XII. This research was conducted at MAN Tapanuli Selatan in 2020. The research method is a descriptive correlational research method with a research sample of 110 students who were determined by total sampling. The research instrument consisted of a scientific literacy ability test, a student's scientific attitude questionnaire, a test of student learning outcomes and retention. The instruments used were tested for validity, reliability, discrepancy and level of difficulty. The research data were analyzed using simple and multiple linear regression analysis techniques using SPSS 21.0 for windows. The results showed: There was a positive relationship between (1) scientific literacy abilities and student learning outcomes with  $r^2 = 48,6\%$  (2) Scientific attitudes and student learning outcomes with  $r^2 = 11,6\%$  (3) Science literacy skill with student retention  $r^2 = 58,7\%$  (4) Scientific attitude with student retention with  $r^2 = 13,7\%$  (5) Scientific literacy ability and scientific attitude with student learning outcomes with  $R^2 = 49\%$  (6) Science literacy ability and scientific attitude and student retention  $R^2 = 59,2\%$  in XII MIA MAN Tapanuli South.

Keywords: Science Literacy Skill, Scientific Attitude, Student Outcomes, Retention.

