

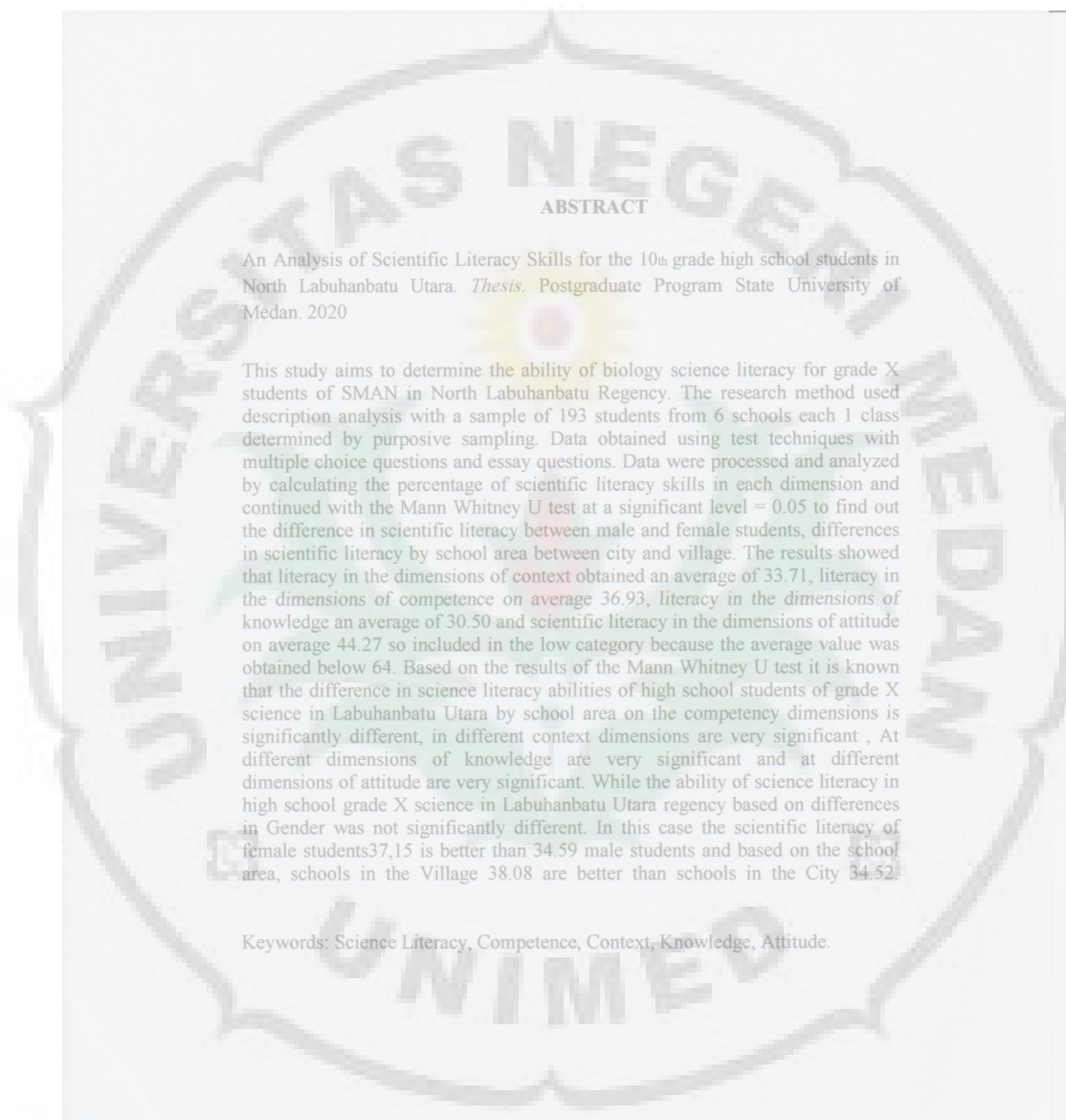
ABSTRAK

Analisis Kemampuan Literasi Sains Siswa SMAN kelas X Se-Kabupaten Labuhanbatu Utara. Tesis. Program Pascasarjana Universitas Negeri Medan. 2020

Penelitian ini bertujuan untuk mengetahui kemampuan literasi sains biologi siswa SMAN kelas X se- Kabupaten Labuhanbatu Utara. Metode penelitian digunakan analisis deskripsi dengan sampel penelitian berjumlah 193 siswa dari 6 sekolah masing-masing 1 kelas yang ditentukan secara *purposive sampling*. Data diperoleh dengan menggunakan teknik tes dengan soal pilihan ganda dan soal essay. Data diolah dan dianalisis dengan cara dihitung persentase kemampuan literasi sains pada masing-masing dimensi dan dilanjutkan dengan uji Mann Whitney U pada taraf signifikansi $= 0,05$ untuk mengetahui perbedaan literasi sains antara siswa laki-laki dengan siswa perempuan, perbedaan literasi sains berdasarkan wilayah sekolah antara kota dan desa. Hasil penelitian menunjukkan bahwa literasi pada dimensi konteks diperoleh rata-rata 33,71, literasi pada dimensi kompetensi rata-rata 36,93, literasi pada dimensi pengetahuan rata-rata 30,50 dan literasi sains pada dimensi sikap rata-rata 44,27 sehingga termasuk dalam kategori rendah karena rata-rata nilai diperoleh dibawah 64. Berdasarkan hasil uji Mann Whitney U diketahui bahwa perbedaan kemampuan literasi sains siswa SMA kelas X IPA se-Kabupaten Labuhanbatu Utara berdasarkan wilayah sekolah pada dimensi kompetensi berbeda signifikan, pada dimensi konteks berbeda sangat signifikan, pada dimensi pengetahuan berbeda sangat signifikan dan pada dimensi sikap berbeda sangat signifikan. Sedangkan kemampuan literasi sains SMA kelas X IPA se-Kabupaten Labuhanbatu Utara berdasarkan perbedaan Jenis Kelamin tidak berbeda signifikan. Dalam hal ini literasi sains siswa perempuan 37,15 lebih baik dibandingkan dengan siswa laki-laki 34,59 dan berdasarkan wilayah sekolah, sekolah di Desa 38,08 lebih baik dibandingkan dengan sekolah di Kota 34,52.

Kata kunci : Literasi Sains, Kompetensi, Konteks, Pengetahuan, Sikap.

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ABSTRACT

An Analysis of Scientific Literacy Skills for the 10th grade high school students in North Labuhanbatu Utara. *Thesis*. Postgraduate Program State University of Medan, 2020

This study aims to determine the ability of biology science literacy for grade X students of SMAN in North Labuhanbatu Regency. The research method used description analysis with a sample of 193 students from 6 schools each 1 class determined by purposive sampling. Data obtained using test techniques with multiple choice questions and essay questions. Data were processed and analyzed by calculating the percentage of scientific literacy skills in each dimension and continued with the Mann Whitney U test at a significant level = 0.05 to find out the difference in scientific literacy between male and female students, differences in scientific literacy by school area between city and village. The results showed that literacy in the dimensions of context obtained an average of 33.71, literacy in the dimensions of competence on average 36.93, literacy in the dimensions of knowledge an average of 30.50 and scientific literacy in the dimensions of attitude on average 44.27 so included in the low category because the average value was obtained below 64. Based on the results of the Mann Whitney U test it is known that the difference in science literacy abilities of high school students of grade X science in Labuhanbatu Utara by school area on the competency dimensions is significantly different, in different context dimensions are very significant, At different dimensions of knowledge are very significant and at different dimensions of attitude are very significant. While the ability of science literacy in high school grade X science in Labuhanbatu Utara regency based on differences in Gender was not significantly different. In this case the scientific literacy of female students 37.15 is better than 34.59 male students and based on the school area, schools in the Village 38.08 are better than schools in the City 34.52.

Keywords: Science Literacy, Competence, Context, Knowledge, Attitude.

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