

## ABSTRAK

**Leny Herawati.** Analisis Keterampilan Proses Sains dan Sikap Ilmiah Siswa di Kelas X IPA pada Materi Pencemaran Lingkungan terhadap Sampah Di SMA Negeri Se-Kota Kisaran. Tesis. Medan: Program Pascasarjana Universitas Negeri Medan, 2019.

Penelitian ini bertujuan untuk mendeskripsikan keterampilan proses sains (KPS) dan sikap ilmiah (SI) siswa kelas X IPA SMA Negeri Se-Kota Kisaran. Selain itu penelitian ini juga bertujuan untuk mengetahui perbedaan keterampilan proses sains siswa dan sikap ilmiah berdasarkan jenis kelamin siswa kelas X IPA SMA Negeri Se-Kota Kisaran. Sampel yang digunakan terdiri dari 144 orang siswa dipilih dengan menggunakan teknik purposive sampling. Alat pengumpulan data yang digunakan yaitu tes keterampilan proses sains, dan angket sikap ilmiah. Analisis data yang digunakan yaitu dengan cara menghitung persentase keterampilan proses sains, dan *skala Likert* untuk sikap ilmiah. Untuk membandingkan keterampilan proses sains dan sikap ilmiah berdasarkan jenis kelamin digunakan uji *Mann Whitney U*. Hasil penelitian menunjukkan bahwa keterampilan proses sains siswa kelas X IPA SMA Negeri Se-Kota Kisaran rata-rata sebesar 78,49 termasuk dalam kategori baik dan sikap ilmiah yaitu 68,14 termasuk dalam kategori sedang. KPS jenis kelamin perempuan sebesar 79,02 signifikan lebih tinggi dibandingkan dengan KPS jenis kelamin laki-laki sebesar 77,51 dan SI jenis kelamin perempuan sebesar 69,21 signifikan lebih tinggi dibandingkan dengan SI jenis kelamin laki-laki sebesar 66,28.

Kata Kunci: *Analisis, Keterampilan Proses Sains, Sikap Ilmiah dan Pencemaran lingkungan terhadap Sampah.*

## ABSTRACT

**Leny Herawati.** Analysis of 10<sup>th</sup> grader science major student's science process skills and science attitude of environmental pollution on waste topics of national high schools in Kisaran. Medan: post graduate program, state university of Medan, 2019

This research was conducted to: describe 10<sup>th</sup> grader science major student's science process skills and science attitude of national high school in Kisaran. Further, this research held to find out the differences in science process skills and science attitude between male and female students. 144 students were taken as sample by purposive sampling technique. Data was collected by using science process skills test and questionnaire of science attitude. Data was analyzed by counting percentage of student's science process skills score obtained and *Likert scales* for science attitude. *Mann Whitney U* test was used to differentiate science process skills and science attitude between male and female students. Research found out average scores of 10<sup>th</sup> grader science major student's science process skills and science attitude of national high schools in Kisaran was 78,43 (good category) and 68,14 (medium category). Female students science process skills (79,02) was significantly higher compared to male students (77,52). Further, student's science attitude also significantly higher in female (69,21) than male (66,28).

**Keywords:** *Analysis, science process skills, science attitude, environmental pollution on waste*