

## ABSTRAK

**Endang Kesumawati.** Analisis Kemampuan Kognitif, Kemampuan Berpikir Kritis, dan Sikap Ilmiah Siswa pada Materi Struktur dan Fungsi Jaringan Tumbuhan di Kelas XI SMA Negeri Se-Kota Tanjungbalai. Tesis. Program Pascasarjana Universitas Negeri Medan. 2019.

Penelitian ini bertujuan untuk mengetahui kemampuan kognitif berdasarkan indikator, level kognisi, dan ketuntasan belajar, serta kemampuan berpikir kritis dengan sikap ilmiah siswa pada materi struktur dan fungsi jaringan tumbuhan di kelas XI SMA Negeri se-Kota Tanjungbalai. Penelitian ini deskriptif dengan pendekatan kuantitatif. Sampel penelitian adalah siswa kelas XI IPA sebanyak 163 orang. Kemampuan kognitif dan berpikir kritis siswa diperoleh menggunakan tes dalam bentuk pilihan berganda, sedangkan sikap ilmiah menggunakan angket. Data dianalisis dengan deskriptif dan Spearman. Hasil penelitian menunjukkan bahwa: (1). Kemampuan kognitif siswa cukup baik (57,75); (2). Kemampuan kognitif siswa berdasarkan indikator cukup baik (53,6%); (3). Kemampuan kognitif siswa berdasarkan level kognisi cukup baik (53,17%); (4). Ketuntasan cukup baik (52,67%). Disimpulkan bahwa perlunya guru memberikan pembelajaran yang bervairasi agar kemampuan kognitif, berpikir kritis dan sikap ilmiah siswa semakin baik.

*Kata Kunci: Kemampuan Kognitif, Kemampuan Berpikir Kritis, Sikap Ilmiah, dan Struktur dan Fungsi Jaringan Tumbuhan.*



## ABSTRACT

**Endang Kesumawati.** Analysis of Students' Cognitive Ability, Critical Thinking Ability and Scientific Attitude of the Structure and Function of Plant Tissues Subject Matter in XI Class at Senior High School Tanjungbalai City. Thesis. Postgraduated Program State University of Medan. 2019.

This research aims to know the cognitive ability based on indicators, cognitive level, learning completeness and the critical thinking ability with scientific attitude of the structure and function of plant tissues subject matter in XI class at senior high school Tanjungbalai city. This research is descriptive study with quantitative approach. This research sample is student of science in eleven grade as much as 163 people. The students cognitive ability and scritical thinking ability obtained using multiple choice test, while scientific attitude with using questionnaire. The data analyzed by descriptive statistic and Spearman. The study of results are show that: (1) Cognitive ability of student belong to good enough (57,75); (2). Cognitive ability of student based on indicators belong to good enough (57,52%); (3). Cognitive ability of student based on cognitive level belong to good enough (56,6%); (4). Learning completeness belong to good enough (56,03%). The concluded that important of teachers give the teaching which variation so that cognitive skill, critical thinking, and scientific attitude of student to well.

*Key Word: Cognitive Skill, Critical Thinking Skill, Scientific Attitude, and Structure and Function of Plant Tissue.*

