

ABSTRAK

Sri Susanti. Analisis Keterampilan Proses Sains, Kemampuan Berpikir Tingkat Tinggi, Sikap Ilmiah dan Sikap Sosial Dalam Pendekatan Saintifik pada Pembelajaran IPA Biologi Sekolah SMP Negeri Se-Kecamatan Percut Sei-Tuan Kabupaten Deliserdang. Tesis. Medan: Program Pascasarjana Universitas Negeri Medan, 2021.

Penelitian ini bertujuan untuk menganalisis keterampilan proses sains, kemampuan berpikir tingkat tinggi, sikap ilmiah dan sikap sosial dalam pendekatan saintifik pada pembelajaran IPA biologi sekolah SMP Negeri Se-Kecamatan Percut Sei-tuan Kabupaten Deliserdang. Jenis penelitian ini berupa deskriptif. Sampel diambil pada 5 sekolah sebanyak 180 siswa secara *Purposive Sampling*, yaitu dari SMP Negeri 1, SMP Negeri 2, SMP Negeri 3, dan SMP Negeri 5, dan SMP Negeri 6 siswa kelas VIII. Menggunakan teknik pengumpulan data berupa instrumen lembar soal tes untuk mengukur keterampilan proses sains siswa, kemampuan berpikir tingkat tinggi, dan lembar angket untuk mengukur sikap ilmiah dan sikap sosial siswa. Analisis data menggunakan korelasi sederhana. Hasil dalam penelitian ini adalah keterampilan proses sains siswa dengan pendekatan saintifik pada materi struktur dan fungsi tumbuhan tergolong baik dengan rata-rata 72, kemampuan berpikir tingkat tinggi siswa tergolong baik dengan rata-rata 74, sikap ilmiah siswa tergolong tinggi dengan rata-rata 72, sikap sosial siswa tergolong tinggi dengan rata-rata 77, serta terdapat pengaruh antara keterampilan proses sains terhadap sikap ilmiah sebesar 34,20% dan kontribusi paling tinggi pada aspek mengelompokkan/klasifikasi terhadap tanggung jawab nilai kontribusi sebesar 35,30%; terdapat pengaruh antara keterampilan proses sains terhadap sikap sosial sebesar 35,30% dan kontribusi paling tinggi pada aspek berkomunikasi terhadap jujur nilai kontribusi sebesar 49,00%; terdapat pengaruh antara keterampilan proses sains terhadap kemampuan berpikir tingkat tinggi sebesar 31,60% dan kontribusi paling tinggi pada aspek mengelompokkan/klasifikasi dengan C5 nilai kontribusi sebesar 16,50%; terdapat pengaruh antara kemampuan berpikir tingkat tinggi terhadap sikap ilmiah sebesar 31,40% dan kontribusi paling tinggi pada aspek C5 dengan tanggung jawab nilai kontribusi sebesar 35,30%; terdapat pengaruh antara kemampuan berpikir tingkat tinggi terhadap sikap sosial sebesar 33,20% dan kontribusi paling tinggi pada aspek aspek C5 dengan jujur nilai kontribusi sebesar 29,80%; dan terdapat pengaruh antara sikap ilmiah terhadap sikap sosial siswa sebesar 30,0% dan kontribusi paling tinggi pada aspek sikap berpikir kritis terhadap santun atau sopan nilai kontribusi sebesar 24,20%.

Kata Kunci: *Keterampilan Proses Sains, Berpikir Tingkat Tinggi, Sikap Ilmiah, Sikap Sosial.*

ABSTRACT

Sri Susanti. Analysis of Science Process Skills, Hight Order Thinking Skills, Scientific Attitude and Social Attitude on Scientific Method in Biological Science Learning of State Junior High School in Percut Sei Tuan, Deliserdang. Thesis. Medan: Postgraduate Program, State University of Medan, 2021.

This study aims to analyze science process skills, high-order thinking skills, scientific attitude and social attitude on scientific method in biological science learning of state junior high school in percut Sei Tuan, Deliserdang. This type of research is descriptive. Samples were taken from 5 schools as many as 180 students by purposive sampling, namely SMP Negeri 1, SMP Negeri 2, SMP Negeri 3, and SMP Negeri 5, and SMP Negeri 6 in percut Sei Tuan for grade VIII students. Using data collection techniques in the form of a test question sheet instrument to measure students' science process skills, high order thinking skills, and questionnaire sheets to measure students' scientific attitude and social attitude. Data analysis used simple correlation. The results in this study were students' science process skills with a scientific approach to plant structure and function material was good with an average of 72, students' high-order thinking skills were good with an average of 74, students' scientific attitudes was high with an average of 72, Students' social attitudes was high with an average of 77, and there was an influence between science process skills on scientific attitudes of 34.20% and the highest contribution to the classifying / classification aspect of responsibility was the contribution value of 35.30%; there was an influence between science process skills on social attitudes of 35.30% and the highest contribution in the aspect of communicating to honestly contributes to the value of 49.00%; there was an influence between science process skills on higher order thinking skills of 31.60% and the highest contribution to the classifying / classification aspect with C5 contributing value of 16.50%; there is an influence between the ability to think at a high level of scientific attitude of 31.40% and the highest contribution to the C5 aspect with the responsibility of the contribution value of 35.30%; there was an influence between high-order thinking skills on social attitudes of 33.20% and the highest contribution to aspects of the C5 aspect honestly the contribution value was 29.80%; and there was an influence between scientific attitudes towards students' social attitudes by 30.0% and the highest contribution to the aspect of critical thinking attitudes towards politeness or politeness, the contribution value was 24.20%.

Keyword: *Science Process Skills, Hight Order Thinking Skills, Scientific Attitude, Social Attitude.*