

## ABSTRAK

Oktavia, Nada Putri 2026, Analisis Kemampuan Berpikir Kritis Siswa pada Materi Sel kelas VIII di SMP Negeri 7 Tanjungpinang, Skripsi, Tanjungpinang, Jurusan Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji, Pembimbing I: Dr. Dra. Hj. Nevrita, M.Pd., M.Si, Pembimbing II: Elfa Oprasmani, S, Pd., M.Pd.

**Kata Kunci: Kemampuan Berpikir Kritis, Materi Sel, Pembelajaran IPA, Siswa SMP**

Penelitian ini bertujuan untuk menggambarkan dan menganalisis kemampuan berpikir kritis siswa kelas VIII pada materi sel di SMP Negeri 7 Tanjungpinang. Penelitian menggunakan pendekatan deskriptif kuantitatif dengan populasi seluruh siswa kelas VIII sebanyak 137 orang. Data dikumpulkan melalui tes uraian yang terdiri dari lima butir soal, dikembangkan berdasarkan lima indikator berpikir kritis, yaitu: memberikan penjelasan sederhana, membangun keterampilan dasar, menarik kesimpulan, memberikan penjelasan lebih lanjut, serta menyusun strategi dan taktik pemecahan masalah. Tes uraian ini digunakan sebagai instrumen untuk menilai capaian setiap indikator, kemudian dianalisis melalui perhitungan persentase. Hasil penelitian menunjukkan bahwa kemampuan berpikir kritis siswa berada pada kategori sedang, dengan rata-rata keseluruhan 54,52%. Indikator tertinggi adalah penarikan kesimpulan (72,44%), diikuti pengaturan strategi dan taktik (71,17%) serta mempertimbangkan hasil observasi (66,97%). Sebaliknya, indikator memberikan penjelasan sederhana (35,22%) dan mengidentifikasi asumsi (26,82%) berada pada kategori rendah. Temuan ini menegaskan bahwa siswa lebih kuat dalam penalaran berbasis data daripada dalam mengidentifikasi inti masalah dan asumsi ilmiah, sehingga guru perlu menekankan penguatan kemampuan analitis dan evaluatif dalam pembelajaran IPA.

## ABSTRACT

Oktavia, Nada Putri 2026 , *Analysis of Students' Critical Thinking Skills on Cell Material of Grade VIII at SMP Negeri 7 Tanjungpinang*, Thesis, Tanjungpinang, Department of Biology Education, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University, Advisor: Dr. Dra. Hj. Nevrita, M.Pd., M.Si, Co-Advisor: Elfa Oprasmani, S, Pd.

**Keywords:** *Critical Thinking Skills, Cell Material, Science Learning, Junior High School Students*

*This study aims to describe and analyze the critical thinking skills of eighth-grade students on the topic of cells at SMP Negeri 7 Tanjungpinang. The study employed a quantitative descriptive approach with a population of 137 students. Data were collected through a five-item essay test, developed based on five critical thinking indicators: providing elementary clarification, building basic skills, drawing conclusions, giving further explanations, and developing problem-solving strategies and tactics. The essay test served as the instrument to assess students' achievement for each indicator, which was then analyzed using percentage calculations. The results show that students' critical thinking skills were at a moderate level, with an overall average score of 54.52%. The highest-achieving indicators were drawing conclusions (72.44%), developing strategies and tactics (71.17%), and considering observational results (66.97%). In contrast, providing elementary clarification (35.22%) and identifying assumptions (26.82%) were in the low category. These findings indicate that students are more proficient in data-based reasoning than in identifying core problems and scientific assumptions, suggesting that teachers should emphasize strengthening students' analytical and evaluative abilities in science learning.*