

ABSTRAK

PENGARUH *DISCOVERY LEARNING* BERBANTU MEDIA INTERAKTIF *CELL-MEME-DIA* TERHADAP KEMAMPUAN BERPIKIR KRITIS DAN MOTIVASI BELAJAR PESERTA DIDIK PADA MATERI PENGENALAN SEL

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Penelitian ini bertujuan untuk mengetahui pengaruh *discovery learning* berbantu media interaktif *Cell-meme-dia* pada materi pengenalan sel terhadap kemampuan berpikir kritis dan motivasi belajar peserta didik. Penelitian ini menggunakan metode *quasi experimental* dengan dua kelompok sampel yang dipilih dengan *purposive sampling*. Desain penelitian yang digunakan adalah *nonequivalent control group*. Hasil penelitian menunjukkan bahwa penerapan *discovery learning* berbantu media interaktif *Cell-meme-dia* tidak memberikan pengaruh yang signifikan terhadap peningkatan kemampuan berpikir kritis ($t\text{-hitung } 1.904 < t\text{-tabel } 2.032$). Kelompok eksperimen mencatat rata-rata *N-Gain* kemampuan berpikir kritis sebesar 0,40 (kategori sedang), lebih tinggi dibandingkan kelompok kontrol yang hanya mencapai rata-rata *N-Gain* sebesar 0,16 (kategori rendah). Indikator analisis adalah indikator berpikir kritis yang mengalami peningkatan paling tinggi dengan nilai *N-Gain* sebesar 0,51 (kategori sedang). Peninjauan per indikator menunjukkan peningkatan berpikir kritis yang lebih tinggi pada indikator interpretasi, analisis, dan evaluasi. Pada motivasi belajar, penerapan *discovery learning* berbantu media interaktif *Cell-meme-dia* menyebabkan peningkatan motivasi belajar sebesar 9,67%. Hasil kuisioner setelah perlakuan mencapai persentase rata-rata 82,48% (kategori sangat baik), lebih tinggi dibandingkan hasil sebelum perlakuan yang memperoleh persentase rata-rata 72,81% (kategori baik). Peningkatan persentase motivasi belajar terjadi pada seluruh aspek. Aspek kepercayaan adalah aspek motivasi belajar dengan peningkatan paling tinggi yaitu sebesar 11,56%.

Kata Kunci: *Discovery Learning, Berpikir Kritis, Cell-meme-dia, Motivasi*

ABSTRACT

THE EFFECT OF DISCOVERY LEARNING ASSISTED WITH INTERACTIVE MEDIA CELL-MEME-DIA ON CRITICAL THINKING ABILITY AND STUDENTS' LEARNING MOTIVATION ON CELL INTRODUCTION MATERIAL

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This study aims to determine the effect of discovery learning assisted by interactive media Cell-meme-dia on cell introduction material on critical thinking ability and students' learning motivation. This study uses a quasi-experimental method with two sample groups selected by purposive sampling. The research design used is nonequivalent control group. The results showed that the application of discovery learning assisted by interactive media Cell-meme-dia did not provide a significant effect on improving critical thinking ability ($t\text{-count } 1.904 < t\text{-table } 2.032$). The experimental group recorded an average N-Gain of critical thinking ability of 0.40 (moderate category), higher than the control group which only achieved an average N-Gain of 0.16 (low category). The analysis indicator is the critical thinking indicator that experienced the highest increase with an N-Gain value of 0.51 (moderate category). A review of each indicator showed a higher increase in critical thinking in the interpretation, analysis, and evaluation indicators. In learning motivation, the application of discovery learning assisted by interactive media Cell-meme-dia caused an increase in learning motivation of 9.67%. The results of the questionnaire after treatment reached an average percentage of 82.48% (very good category), higher than the results before treatment which obtained an average percentage of 72.81% (good category). The increase in the percentage of learning motivation occurred in all aspects. The aspect of trust is the aspect of learning motivation with the highest increase, namely 11.56%.

Keywords: *Discovery Learning, Critical Thinking, Cell-meme-dia, Motivation*