

ABSTRAK

Syahrani Sara, NIM 4201131019 (2024). Pengaruh Model Pembelajaran *Discovery Learning* Berbantuan Media iSpring Presenter Terhadap Kemampuan HOT Literasi Kimia Siswa Pada Materi Reaksi Redoks.

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *discovery learning* berbantuan media iSpring presenter lebih besar dari model konvensional terhadap kemampuan HOT literasi kimia siswa dan aspek kemampuan HOTS literasi yang berkembang. Populasi dalam penelitian ini adalah siswa kelas X SMAS Imelda Medan yang berjumlah 3 kelas. Sampel penelitian adalah siswa kelas X MIA 2 dan X MIA 3 yang masing-masing berjumlah 30 orang. Penelitian menggunakan instrumen tes sebanyak 19 butir soal pilihan berganda. Uji hipotesis menggunakan uji t pihak kanan dengan hasil penelitian diperoleh nilai $t_{hitung} > t_{tabel}$ ($2,243 > 2,002$) artinya H_a diterima dan H_0 ditolak, yang berarti pengaruh penggunaan model *discovery learning* berbantuan media iSpring Presenter terhadap kemampuan HOT literasi kimia siswa lebih besar daripada penggunaan model konvensional pada materi reaksi redoks dengan nilai N-Gain pada kelas eksperimen sebesar 0,75 (75,03%) dan nilai N-Gain pada kelas kontrol sebesar 0,67 (66,86%). Selanjutnya, aspek kemampuan HOT literasi yang berkembang melalui model *discovery learning* berbantuan media iSpring Presenter diperoleh pada C5 penalaran dengan persentase sebesar 87,94% pada materi reaksi redoks.

Kata kunci : Model *Discovery Learning*, Media iSpring Presenter, HOTS Literasi, Reaksi Redoks

ABSTRACT

Syaharani Sara, NIM 4201131019 (2024). The Influence of the Discovery Learning Learning Model Assisted by iSpring Presenter Media on Students' Chemical Literacy HOT Ability in Redox Reaction Material.

This research aims to determine the influence of the discovery learning model assisted by iSpring presenter media which is greater than the conventional model on students' chemistry literacy HOT abilities and aspects of developed HOTS literacy abilities. The population in this study was class X students at SMAS Imelda Medan, totaling 3 classes. The research sample was students of classes X MIA 2 and X MIA 3, each consisting of 30 people. The research used a test instrument of 19 multiple choice questions. Hypothesis testing used the right-hand t test with the research results obtained by the value $t_{\text{count}} > t_{\text{table}}$ ($2.243 > 2.002$) meaning that H_a was accepted and H_0 was rejected, which means that the influence of using the discovery learning model assisted by iSpring Presenter media on students' chemical literacy HOT abilities is greater than using conventional models in redox reaction material with an N-Gain value in the experimental class of 0.75 (75.03%) and an N-Gain value in the control class it was 0.67 (66.86%). Furthermore, the HOT literacy aspect of ability developed through the discovery learning model assisted by iSpring Presenter media was obtained in C5 reasoning with a percentage of 87.94% in the redox reaction material.

Keywords: *Discovery Learning* Model, iSpring Presenter Media, HOTS Literacy, Redox Reaction.