

ABSTRAK

Gisty Annisa: “Pengaruh Model *Problem Based Learning* (PBL) Berbantu Multimedia Interaktif *Articulate Storyline 3* Terhadap Kemampuan Pemecahan Masalah Pada Materi Sistem Reproduksi Kelas XI”

Penelitian ini bertujuan untuk menganalisis pengaruh model *Problem Based Learning* (PBL) berbantu multimedia interaktif *Articulate Storyline 3* terhadap kemampuan pemecahan masalah pada materi sistem reproduksi. Metode yang digunakan adalah *Quasi Experiment* dengan desain *Nonequivalent Control Group Design*. Teknik pengambilan sampel dengan teknik sampling jenuh. Instrumen penelitian yang digunakan yaitu lembar observasi, tes kemampuan pemecahan masalah dan angket respon siswa. Hasil penelitian menunjukkan bahwa kemampuan pemecahan masalah siswa pada kelas eksperimen menghasilkan nilai rata-rata sebesar 78,58 dengan nilai *N-Gain* sebesar 0,64 kategori sedang. Pada kelas kontrol menghasilkan nilai rata-rata sebesar 63,50 dengan nilai *N-Gain* sebesar 0,42 kategori sedang. Berdasarkan perhitungan uji t dengan α sebesar 5%, diperoleh hasil signifikansinya yaitu $5,524 > 2,009$, Maka H_0 ditolak dan H_a diterima. Model PBL berbantu multimedia interaktif *Articulate Storyline 3* dapat berpengaruh signifikan terhadap kemampuan pemecahan masalah pada materi sistem reproduksi kelas XI.

Kata Kunci: *Articulate Storyline 3*, Kemampuan Pemecahan Masalah, *Problem Based Learning*, Sistem Reproduksi



ABSTRACT

Gisty Annisa: “*The Effect of Problem Based Learning (PBL) Model Assisted by Interactive Multimedia Articulate Storyline 3 on Problem Solving Ability in Class XI Reproductive System Materials*”

This study aims to analyze the effect of Problem Based Learning (PBL) Model Assisted by Interactive Multimedia Articulate Storyline 3 on Problem Solving Ability of the Reproductive System Materials. The method used is the Quasi Experiment with a Nonequivalent Control Group Design. The sampling technique applied was saturated sampling technique. The research instrument used were observation sheets, problem solving ability tests, and student response questionnaires. The results showed that the problem solving ability of students in the experimental class resulted in an average score of 78.58, with an N-Gain of 0.64 in the medium category. The control class produces an average value of 63.50 with an N-Gain of 0.42 in the medium category. Based on the calculation of the t-test with of 5%, the significance result is $5.524 > 2.009$, then H_0 is rejected and H_a accepted. The PBL model assisted by interactive multimedia Articulate Storyline 3 has a significant effect on problem solving abilities of reproductive system material in class XI.

Keywords: *Articulate Storyline 3, Problem Based Learning, Problem Solving Ability, Reproductive System*

