

ABSTRAK

Fenti Tania Siagian, NIM 4171121011 (2017). Pengaruh Model Pembelajaran Inkuiri Berbasis *Blended Learning* Terhadap Hasil Belajar Siswa Pada Materi Usaha dan Energi Kelas X Semester II SMA Swasta Dr. Wahidin Sudirohusodo.

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran inkuiri berbasis *blended learning* terhadap hasil belajar siswa materi pokok materi usaha dan energi kelas X Semester II SMA Swasta Dr. Wahidin Sudirohusodo Medan. Jenis penelitian ini adalah *quasi experiment*. Populasi dalam penelitian ini adalah seluruh siswa Semester II SMA Swasta Dr. Wahidin Sudirohusodo Medan terdiri dari 7 kelas. Sampel penelitian dilakukan dengan teknik cluster random sampling, kelas X-1 sebagai kelas eksperimen diberikan model pembelajaran inkuiri berbasis *blended learning* dan X-2 sebagai kelas kontrol diberikan model pembelajaran konvensional. Instrumen yang digunakan pada penelitian adalah tes pilihan ganda dengan jumlah 20 soal. Nilai rata-rata posttest kelas eksperimen dan kelas kontrol masing-masing 70,00 dan 66,56. Berdasarkan hasil analisis uji t satu pihak didapat nilai $t_{hitung} = 2,00$ dan $t_{tabel} = 1,669$, pada taraf signifikan 0,05 ($t_h > t_t$). Hal ini menyatakan ada pengaruh signifikan model pembelajaran inkuiri berbasis *blended learning* terhadap hasil belajar siswa pada materi pokok Usaha dan Energi Kelas X Semester II SMA Swasta Dr. Wahidin Sudirohusodo Medan.

Kata Kunci: Inkuiri, *blended learning*, hasil belajar, usaha dan energi

ABSTRAK

Fenti Tania Siagian, NIM 4171121011 (2017). The Effect of a Blended Learning-Based Inquiry Learning Model on Student Learning Outcomes in Effort and Energy Material Class X Semester II SMA Swasta Dr. Wahidin Sudirohusodo Medan.

This study aims to determine the effect of a blended learning-based inquiry learning model on student learning outcomes on the subject matter of effort and energy class X Semester II SMA Swasta Dr. Wahidin Sudirohusodo Medan. This type of research is a quasi-experiment. The population in this study were all Semester II students of SMA Swasta Dr. Wahidin Sudirohusodo Medan consisting of 7 classes. The research sample was conducted using the cluster random sampling technique, class X-1 as the experimental class was given a blended learning-based inquiry learning model, and X-2 as the control class was given a conventional learning model. The instrument used in the study was a multiple-choice test with 20 questions. The average post-test scores of the experimental and control classes were 70.00 and 66.56 respectively. Based on the one-party t-test analysis results, the value = 2.00 and = 1.669 was obtained, at a significant level of 0.05 ($t_h > t_t$). This states that the blended learning-based inquiry learning model significantly affects student learning outcomes on the subject matter of Effort and Energy Class X Semester II SMA Swasta Dr. Wahidin Sudirohusodo Medan.

Keywords: Inquiry, blended learning, learning outcomes, effort and energy