ABSTRAK

Fernandus Hasiando, NIM. 4153121021 (2021). Pengaruh Pembelajaran Online Berbasis *Zoom Cloud Meeting* dan *Google Classroom* Terhadap Hasil Belajar Siswa SMA Swasta Budi Murni 3 Medan T.P. 2020/2021

Penelitian ini bertjujuan untuk mengetahui pengaruh pembelajaran *zoom cloud meeting* terhadap hasil belajar siswa pada materi pokok momentum, impuls dan tumbukan kelas X semester genap di SMA Swasta Budi Murni 3 Medan T.P 2020/2021. Jenis penelitian ini adalah *quasi experiment*. Populasi dalam penelitian adalah seluruh siswa kelas X SMA Swasta Budi Murni 3 Medan T.P 2020/2021. Pengambilan sampel dilakukan dengan teknik *cluster random sampling* yang terdiri dari dua kelas, yaitu kelas X MIA-1 sebagai kelas eksperimen dan kelas X MIA-2 sebagai kelas kontrol. Instrumen yang digunakan adalah tes hasil belajar dalam bentuk pilihan berganda yang terdiri dari 15 soal yang telah divalidasi oleh validator. Sebelum diberikan perlakuan yang berbeda dilakukan pretes, yaitu nilai rata-rata pretes kelas eksperimen 26,50 dan nilai rata-rata pretes kelas kontrol 25,97. Pada pengujian normalitas dan homogenitas data pretes kedua kelas berdistribusi normal dan homogen. Hasil uji t pretes diperoleh $t_{hitung} < t_{tabel}$ (0,18 < 1,84) maka H_0 diterima, artinya kemampuan awal siswa kelas eksperimen dan kelas kontrol sama. Setelah selesai dilakukan pembelajaran pada kedua kelas maka dilakukan postes dengan hasil rata-rata kelas eksperimen 69,30 dan nilai rata-rata kelas kontrol 46,63. Pada pengujian normalitas dan homogenitas data postes diperoleh bahwa data kedua kelas berdistribusi normal dan homogen. Hasil uji t postes diperoleh bahwa $t_{hitung} > t_{tabel}$ (7,7 > 1,59) maka H_a diterima, artinya ada pengaruh penggunaan pembelajaran berbasis *zoom cloud meeting* terhadap hasil belajar siswa pada materi pokok momentum, impuls dan tumbukan kelas X semester genap di SMA Swasta Budi Murni 3 Medan T.P 2020/2021.

Kata kunci : *zoom cloud meeting, hasil belajar, momentum, impuls dan tumbukan*

ABSTRACT

Fernandus Hasiando, NIM. 4153121021 (2021). The effect of *Online* Based Learning Using *Zoom Cloud Meeting* and *Google Classroom* toward the Student's Learning Outcome of Budi Murni 3 Private High School Medan, School Year 2020/2021.

This study aims to determine the effect of *zoom cloud meeting* learning on student learning outcomes on the subject matter of momentum, impulse and collisions of 10th Graders even semester at Budi Murni 3 High School Medan (school year 2020/2021). This type of research is a *quasi experiment*. The population in the study were all students of 10th Grade Budi Murni 3 Private High School Medan (school year 2020/2021). The sample was taken by using *cluster random sampling* technique which consisted of two classes, namely class X Science-1 as the experimental class and class X Science-2 as the control class. The instrument used was a test of learning outcomes in the form of multiple choices consisting of 15 questions that have been validated by the validator. Before being given different treatments, the pretest was carried out, namely the pretest average value of the experimental class was 26.50 and the pretest average value of the control class was 25.97. In testing the normality and homogeneity of the pretest data, the two classes were normally distributed and homogeneous. The results of the pretest t test obtained tcount <ttable (0.18 <1.84) then H0 was accepted, meaning that the students initial abilities in the experimental class and the control class were the same. After completing the learning process in both classes, a post-test was carried out with the experimental class average score of 69.30 and the control class average score of 46.63. In testing the normality and homogeneity of post-test data, it was found that the data of the two classes were normally distributed and homogeneous. The results of the posttest t test showed that tcount> ttable (7.7> 1.59) then Ha was accepted, meaning that there was an effect of using *zoom cloud meeting* based learning on student learning outcomes on the subject matter of momentum, impulse and collision of class X even semester in private high schools Budi Murni 3 Medan TP 2020/2021.

Keywords: *zoom cloud meeting, learning outcomes, momentum, impulse and collision*