ABSTRAK

PENGARUH MODEL PEMBELAJARAN BERBASIS MASALAH DENGAN METODE EKSPERIMEN TERBIMBING MENGGUNAKAN ALAT PERAGA SEDERHANA TERHADAP HASIL BELAJAR, MINAT DAN KERJA SAMA SISWA KELAS X SMA NEGERI 1 WOLOWAE PADA MATERI HUKUM KEKEKALAN MOMENTUM

Skripsi. Program Studi Pendidikan Fisika

Fakultas Keguruan dan Ilmu Pendidikan

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Tujuan dari penelitian ini adalah untuk mengetahui: (1) peningkatan hasil belajar siswa dalam pembelajaran fisika pada materi Hukum Kekekalan Momentum menggunakan model pembelajaran berbasis masalah dengan metode eksperimen terbimbing menggunakan media alat peraga sederhana. (2) peningkatan minat siswa dalam pembelajaran fisika pada materi Hukum Kekekalan Momentum menggunakan model pembelajaran berbasis masalah dengan metode eksperimen terbimbing menggunakan media alat peraga sederhana. (3) adanya kerja sama siswa dalam pembelajaran fisika pada materi Hukum Kekekalan Momentum menggunakan model pembelajaran berbasis masalah dengan metode eksperimen terbimbing menggunakan media alat peraga sederhana ; dan (4) perbedaan hasil belajar, minat dan kerja sama di kelas X IPA dan X IPS Lintas Minat Fisika SMA Negeri 1 Wolowae.

Penelitian ini dilaksanakan di SMA Negeri 1 Wolowae pada tanggal 15 Maret sampai dengan 02 April. Sampel yang digunakan sebanyak 56 siswa. Pada penelitian ini, peneliti memberikan *treatment* pada kelas kontrol berupa pembelajaran dengan metode ceramah aktif dan pada kelas eksperimen *treatment* yang diberikan berupa pembelajaran dengan metode eksperimen terbimbing menggunakan alat peraga sederhana. Instrumen yang digunakan yaitu : angket minat belajar, lembar observasi, dan tes tertulis berupa *pretest* dan *posttest*.

Hasil penelitian menunjukkan bahwa pembelajaran Fisika pada pokok bahasan Hukum Kekekalan Momentum menggunakan metode eksperimen dengan bantuan alat peraga sederhana dapat : (1) meningkatkan hasil belajar siswa, (2) meningkatkan minat belajar siswa, (3) meningkatkan kerja sama siswa; dan (4) ada perbedaan hasil belajar, tidak ada perbedaan minat dan kerja sama di kelas X IPA dan X IPS Lintas Minat Fisika SMA Negeri 1 Wolowae.

Kata kunci: model pembelajaran berbasis masalah, metode eksperimen terbimbing, alat peraga sederhana, hasil belajar, minat, kerja sama

ABSTRACT

The Impact of Implementing Problem Based Learning Model with the Guided Experimental Method Using Simple Learning Media toward the Learning Results, Interest, and Cooperation of Wolowae 1 State Senior High School Students Grade X in the Law of Conservation of Momentum Materials

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The aims of this research are to investigate: (1) the improvement of students' learning results in physics specifically in the law of conservation of momentum using the problem based learning model with the guided experimental method and using simple learning media, (2) the improvement of the students' interest in learning physics subject specifically the law of conservation of momentum materials using the problem based learning model with the guided experimental method and using simple learning media, (3) the students' cooperative learning atmosphere in learning physiscs subject specifically the law of conservation of momentum materials using the problem based learning model with the guided experimental method and using simple learning media, and (4) the difference of the learning results, interest, and cooperation between students of X Science class and X Social class (Physics cross major course) in the Wolowae 1 State Senior High School.

This research was conducted in the Wolowae 1 State Senior High School on March 15th to April 2nd 2019. The samples employed were 56 students. The control group was given active lectures as the treatment. Furthermore, the guided experimental method using simple learning media was given to the experimental group. There were three kind of instruments used; learning interest questionnaire, observation sheet, and written tests (pretest and post test).

The results of the research indicated that learning physics subject specifically in the law of conservation of momentum materials using the experimental method and simple learning media could improve : (1) the students' learning results, (2) the students' learning interest, (3) the students' cooperative learning atmosphere, and (4) the difference of the learning results, the same interest and cooperation between students of X Science class and X Social class (Physics cross major courss) in the Wolowae 1 State Senior High School.

Keywords: problem based learning model, guided experimental method, simple learning media, learning results, interest, cooperation