

ABSTRAK

Cassanova Moggo Muwa. 2015. UPAYA MENINGKATKAN MOTIVASI, KETERLIBATAN, DAN HASIL BELAJAR SISWA PADA HUKUM KEKEKALAN MOMENTUM DAN TUMBUKAN MELALUI METODE EKSPERIMENT DI KELAS XI MIA SMA SANTA MARIA YOGYAKARTA. Skripsi, Program Studi Pendidikan Fisika, Jurusan Pendidikan dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma Yogyakarta.
Pembimbing: Prof. Dr. Paul Suparno, S.J., M.S.T.

Kata Kunci : Motivasi, Keterlibatan, Hasil Belajar, Metode Eksperimen

Penelitian ini bertujuan untuk mengetahui: (1) pengaruh pembelajaran Fisika dengan metode eksperimen terhadap peningkatan motivasi belajar siswa kelas XI MIA SMA Santa Maria Yogyakarta tentang Hukum Kekekalan Momentum dan Tumbukan, (2) tingkat keterlibatan belajar siswa kelas XI MIA SMA Santa Maria Yogyakarta selama kegiatan belajar mengajar menggunakan metode eksperimen tentang Hukum Kekekalan Momentum dan Tumbukan, (3) pengaruh pembelajaran Fisika menggunakan metode eksperimen terhadap peningkatan hasil belajar siswa XI MIA SMA Santa Maria Yogyakarta tentang Hukum Kekekalan Momentum dan Tumbukan.

Penelitian ini dilaksanakan pada tanggal 12 September 2014 sampai dengan 20 Oktober 2014 dengan mengambil sampel sebanyak 27 siswa. Instrumen yang digunakan yaitu: kuesioner motivasi belajar, lembar observasi, dan tes tertulis berupa *pretest* dan *posttest*.

Hasil penelitian menunjukkan bahwa pembelajaran Fisika pada pokok bahasan Hukum Kekekalan Momentum dan Tumbukan menggunakan metode eksperimen: (1) dapat meningkatkan motivasi belajar siswa, (2) dapat mengaktifkan siswa dalam proses pembelajaran, (3) dapat meningkatkan hasil belajar siswa.

ABSTRACT

Cassanova Moggó Muwa. 2015. INCREASING MOTIVATION, PARTICIPATION, AND LEARNING RESULT OF STUDENTS ABOUT LAW OF CONSERVATION OF MOMENTUM AND COLLISIONS USING EXPERIMENT METHOD IN CLASS XI MIA SANTA MARIA SENIOR HIGH SCHOOL YOGYAKARTA. Thesis, Physics Educations Study Program, Department of Mathematics and Natural Sciences, Faculty of Teacher Training and Education, Sanata Dharma University in Yogyakarta, Supervisor: Prof. Dr. Paul Suparno, S.J., M.S.T.

Key Word : Motivation, Participation, Learning Result, Experiment Method

The aim of this research is to investigate: (1) the effect of physics teaching using experiment method toward the increasing students's motivation in class XI MIA Santa Maria Senior High School about Law of Conservation of Momentum and Collisions, (2) the level of students's participation in class XI MIA Santa Maria Senior High School using experiment method about Law of Conservation of Momentum and Collisions, (3) the effect of physics teaching using experiment method toward increasing learning result of students in class XI MIA Santa Maria Senior High School about Law of Conservation of Momentum and Collisions.

This research was conducted on September 12 – October 20, 2014 with 27 students as the sample of the research. The instruments of the research were: the questionnaires of student motivation, observation sheet of activities, and *pretest* and *posttest*.

The result of this research that physics teaching about Law of Conservation of Momentum and Collisions using experiment method is able to: (1) increase the students's motivation, (2) improve students's participation in learning process, (3) increase learning result of students.