

PLAGIAT MERUPAKAN TINDAKAN TIDAK TERPUJI

ABSTRAK

EFEKTIVITAS PEMBELAJARAN FISIKA PADA POKOK BAHASAN TEKANAN UDARA DENGAN MENGGUNAKAN METODE PEMBELAJARAN BERBASIS MASALAH (PBM) BAGI SISWA

ASRAMA MANIK HARGO PAROKI SANTO ISIDORUS SUKOREJO

V. Dias Arianto, “Efektivitas Pembelajaran Fisika pada Pokok Bahasan Tekanan Udara dengan Menggunakan Metode Pembelajaran Berbasis Masalah (PBM) bagi Siswa Asrama Manik Hargo Gereja Santo Isidorus Sukorejo”. Program Studi Pendidikan Fisika Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam Fakultas Keguruan dan Ilmu Pendidikan Universitas Sanata Dharma Yogyakarta. 2008

Penelitian ini bertujuan untuk mengetahui (1) keterlibatan; (2) peningkatan pengetahuan; (3) minat; (4) kesulitan belajar siswa selama mengikuti pembelajaran fisika pada pokok bahasan tekanan udara melalui Pembelajaran Berbasis Masalah.

Penelitian dilaksanakan di Asrama Manik Hargo Paroki Santo Isidorus Sukorejo pada tanggal 7-20 Januari 2008. Sampel penelitian ini adalah siswa kelas VIII SMP Kanisius Argokiloso Sukorejo yang tinggal di asrama tersebut. Peneliti memberikan treatment melalui pembelajaran di kelas. Data keterlibatan siswa diperoleh dari pengamatan langsung pada selama proses pembelajaran; data peningkatan pengetahuan siswa tentang tekanan udara diperoleh dari soal *pretest* dan *posttest*; data minat siswa diperoleh dari kuesioner; dan data kesulitan belajar siswa diperoleh dari kuesioner dan pengamatan langsung oleh peneliti. Data keterlibatan dan minat siswa dianalisis secara kuantitatif; data peningkatan pengetahuan siswa tentang tekanan udara dianalisis secara statistik dengan uji *Test-t*; dan data kesulitan siswa dianalisis secara diskriptif kualitatif.

Hasil penelitian menunjukkan (1) siswa terlibat di dalam pembelajaran dengan prosentase sebesar 69,3 %; (2) ada peningkatan pengetahuan tentang tekanan udara yang ditunjukkan $| t_{real} | > | t_{critical} |$; (3) siswa berminat dengan prosentase 80,26 %; (4) siswa masih merasa kesulitan dalam beberapa kegiatan selama mengikuti pembelajaran fisika pada pokok bahasan tekanan udara melalui Pembelajaran Berbasis Masalah.

ABSTRACT

**PHYSICS LEARNING EFFECTIVITY ON THE AIR PRESSURE SUBJECT
USING PROBLEM BASED LEARNING METHOD FOR THE STUDENT
OF MANIK HARGO DORMITORY IN ST. ISIDORUS SUKOREJO
PARISH**

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This research was aimed to know the students' (1) involvement; (2) knowledge development; (3) interest; and (4) learning problem during following the physics course on the air pressure subject using problem based learning.

This research was held in Manik Hargo dormitory St. Isidorus Sukorejo parish on January 7th - 20th, 2008. This research samples were the VIII grade students of Kanisius Argokiloso Sukorejo junior high school who live in that dormitory. The researcher gave the treatment through the class learning activity. The students' involvement data were got from the direct observation during involvement the learning process; the improvement of student' knowledge about the air pressure was taken from the result of pretest and posttest; the student' interest data were got from the questioners; and the students' learning problem was got from the questioners and direct observation by the observer. The students' involvement and interest data were analyzed quantitatively; the students' improvement data about the air pressure subject were analyzed statistically by dependent Test-t; and the students' learning problem data were analyzed quantitatively.

The result shows that (1) 69,3 % of students were involved in the learning process; (2) there was knowledge improvement about the air pressure subject which was shown on the significance the pretest and posttest differences; (3) 80,26 % of students were interested in the subject; and (4) the students still had some difficulties during following the physics learning on the air pressure subject using Problem Based Learning.