

ABSTRAK

**PENINGKATAN PRESTASI BELAJAR FISIKA MELALUI MODEL
PEMBELAJARAN PROJECT BASED LEARNING DI KELAS
VII F SMP NEGERI 2 GAMPING SLEMAN YOGYAKARTA
PADA MATERI POKOK MASSA JENIS**

Oleh:

Arun

NIM : 051424027

Penelitian ini bertujuan untuk mengetahui ada tidaknya peningkatan prestasi belajar fisika siswa kelas VII F SMP Negeri 2 Gamping melalui model pembelajaran *Project Based Learning* pada materi pokok massa jenis, bila menggunakan model pembelajaran *Project Based Learning*, apakah dapat meningkatkan prestasi belajar siswa khususnya siswa kelas VII F SMP Negeri 2 gamping.

Penelitian ini termasuk jenis penelitian tindakan kelas (*classroom action research*) dengan subyek penelitian siswa kelas VII F SMP Negeri 2 Gamping semester ganjil tahun ajaran 2011/2012 yang berjumlah 36 siswa. Penelitian ini dilaksanakan dalam satu siklus. Pada siklus ini memiliki dua tahap pelaksanaan yaitu pertemuan pertama melakukan perencanaan tindakan tanggal 01 Oktober 2011, sedangkan pertemuan kedua pelaksanaan percobaan sebagai proyek yang telah dirancang dilaksanakan pada tanggal 08 Oktober 2011. Model pembelajaran yang digunakan adalah *Project Based Learning* berupa merancang percobaan. Instrumen-instrumen yang digunakan dalam penelitian adalah tes kognitif (*pre test* dan *pos test*), lembar evaluasi siswa dan dokumentasi berupa foto-foto.

Berdasarkan analisis data dapat disimpulkan bahwa pembelajaran fisika dengan model pembelajaran *Project Based learning* dapat meningkatkan prestasi belajar fisika siswa. Hal ini ditunjukkan dengan hasil belajar fisika pada ranah kognitif. Besar nilai ranah kognitif ditunjukkan oleh rata-rata *post test* 72,48 dan nilai rata-rata *pre test* 49,13. Langkah pembelajaran *Project Based Learning* akan meningkatkan prestasi belajar fisika apabila proyek berupa merancang percobaan, siswa diberimotivasi, perhatian, dan bimbingan, penguatan konsep oleh guru, serta latihan soal.

Kata kunci: Model *Project Based Learning*, Prestasi Belajar Fisika, Materi Pokok Massa Jenis, SMP Negeri 2 Gamping.

ABSTRACT

**IMPROVING LEARNING ACHIEVEMENT THROUGH PHYSICAL
MODEL PROJECT BASED LEARNING IN CLASSROOM LEARNING
VII F SMP NEGERI 2 GAMPING SLEMAN YOGYAKARTA
IN THE MATTER OF MASS OF**

By :

Arun

NIM : 051424027

This study aims to determine whether there is an increase in students studying physics achievement of VII F SMP Negeri 2 Gamping through Project Based Learning model of learning in the subject matter density, when using the model of learning Project Based Learning, is to improve student achievement, especially students of class VII F SMP Negeri 2 Gamping.

These studies include the type of classroom action research (classroom action research) with a class VII F student subjects SMP Negeri 2 Gamping odd semester of the academic year 2011/2012 which amounted to 36 students. The research was carried out in one cycle. At this cycle has two phases, namely the implementation of the first meeting to plan action on October 1, 2011, while the second meeting of the implementation of trial projects have been designed as was held on October 8, 2011. Learning model used is Project Based Learning in the form of design experiments. Instruments used in the study was cognitive test (pre test and post test), student evaluation sheets and documentation in the form of photographs

Based on the data analysis can be concluded that learning physics with Project Based Learning model of learning can improve students' learning achievements of physics. This is indicated by the results on the cognitive learning physics. Great cognitive value indicated by the average post test 72.48 and the average pre test 49.13. Project Based Learning learning step will enhance the achievement of a project to study physics when designing the experiment, students are given the motivation, attention, and guidance, strengthening the concept of the teacher, as well as exercises.

Key words : Model Project Based Learning, Performance Learning Physics, Material Type Main Mass, SMP Negeri 2 Gamping.