

ABSTRAK

**PENCAPAIAN HASIL BELAJAR DAN KETERAMPILAN SISWA
DENGAN PEMBELAJARAN KOOPERATIF DALAM POKOK BAHASAN
PERPINDAHAN KALOR KELAS VII F SMP N 2 MOYUDAN**

Nurmala Safitri Oktaviani, “Pencapaian Hasil Belajar dan Keterampilan Siswa dengan Pembelajaran Kooperatif dalam Pokok Bahasan Perpindahan Kalor Kelas VII F SMP N 2 Moyudan”. Program Studi Pendidikan Fisika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma Yogyakarta 2010.

Penelitian ini merupakan penelitian kuantitatif deskriptif. Penelitian ini bertujuan untuk mengetahui untuk mengetahui (1) sejauh mana peningkatan pemahaman siswa pada pokok bahasan perpindahan kalor dengan menggunakan metode kooperatif; (2) keterampilan apa saja yang dapat dikembangkan oleh siswa melalui metode kooperatif dalam pembelajaran fisika pada pokok bahasan perpindahan kalor.

Penelitian dilaksanakan di kelas dan halaman SMP N 2 Moyudan Yogyakarta, pada tanggal 17-26 November 2009. Yang digunakan sebagai sampel adalah siswa VII F. Peneliti memberikan treatment melalui pembelajaran menggunakan metode kooperatif. Data peningkatan pemahaman siswa tentang konsep perpindahan kalor diperoleh dari hasil pretest dan posttest; data keterampilan siswa diperoleh dari pengamatan langsung oleh 3 orang observer. Data peningkatan pemahaman dan keterampilan siswa dianalisis secara statistik dengan uji *test-t* dan secara kuantitatif.

Hasil penelitian menunjukkan (1) Pembelajaran yang dilakukan menggunakan metode kooperatif dapat meningkatkan pemahaman siswa kelas VII F SMP N 2 Moyudan yang ditunjukkan dari peningkatan persentase ketercapaian dari 23,34 % menjadi 61,11% dan telah diuji menggunakan test-T dengan signifikansi 0,05; (2) Pembelajaran menggunakan metode kooperatif dapat mengembangkan keterampilan siswa yang telah diuji menggunakan test-T dengan signifikansi 0,05. Adapun keterampilan siswa adalah kesungguhan selama pembelajaran, memberi respon selama pembelajaran, memberi kesempatan pada orang lain, dan mendengarkan secara aktif.

ABSTRACT

**STUDENTS' ACHIEVEMENT AND STUDENTS' COMPETENCE
THROUGH COOPERATIVE LEARNING BEING USED IN HEAT
CHANGE UNIT OF SEVENTH GRADE STUDENTS CLASS F
*SMP N 2 MOYUDAN***

Nurmala Safitri Oktaviani, "Students' Achievement and Students' Competence through Cooperative Learning being used in Heat Change Unit of Seventh Grade Students Class F *SMP N 2 Moyudan*". Physics Education Study Program, Department of Math and Science Education, Faculty of Teachers Training and Education, Sanata Dharma Univesity Yogyakarta 2010.

This research was a qualitative descriptive research. This research was aimed at finding out (1) students' understanding on Heat Change Unit through using Cooperative Learning method; (2) what kind of competence that could be developed by the students though Cooperative Learning being used in Physics Learning on Heat Change Unit.

The research was conducted inside the class and at schoolyard of *SMP N 2 Moyudan Yogyakarta*, on November 17-26, 2009. The research participants were seventh grade students Class F. The researcher gave treatment through Cooperative Learning Method. The data of the improvement of students' understanding on the concept of heat change was gained from pre-test and post-test; data of students' competence was obtained from observation that was conducted by three observers. Data of the improvement of students' understanding and students' competence were statistically analyzed, with *test-t* experiment, and qualitatively analyzed.

Research finding showed that (1) Cooperative Learning being used could improve the understanding of seventh grade students Class F of *SMP N 2 Moyudan*; the improvement was proven from the improvement of the achievement percentage from 23.34% to 61.11% and that had been examined using test-T with 0.05 significance; (2) Cooperative Learning Method could improve students' competence that was examined using test-T with 0.05 significance. Students' competence that were found through the research were the ability to be serious involving the learning process, to actively response in learning process, be willing to give chance to others to involve in learning process, and to actively listen the lecturing.