

ABSTRAK

Wulan Suka Rinawathi. 2013. *Pembelajaran Fisika dengan Pendekatan Proses Melalui Metode Inquiry tentang Viskositas dalam Meningkatkan Prestasi, Keaktifan dan Motivasi Belajar Siswa SMA N 11 Yogyakarta.* Skripsi. Program Studi Pendidikan Fisika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta.

Penelitian yang telah dilakukan oleh peneliti merupakan sebuah penelitian eksperimen kuantitatif. Penelitian ini bertujuan untuk mengetahui perbedaan prestasi belajar, keaktifan dan motivasi belajar siswa antara kelas kontrol dengan pembelajaran ceramah dan kelas eksperimen dengan pembelajaran *inquiry*. Penelitian dilaksanakan di SMA N 11 Yogyakarta pada tanggal 4-19 April 2013. Subjek penelitian adalah siswa kelas XI IPA 1 sebanyak 29 siswa dan siswa kelas XI IPA 2 sebanyak 29 siswa. Kelas XI IPA1 berfungsi sebagai kelas kontrol, sedangkan kelas XI IPA 2 sebagai kelas eksperimen. Kelas eksperimen diberikan metode pengajaran *inquiry*, sedangkan kelas kontrol diberikan metode pengajaran ceramah.

Instrumen yang digunakan berupa silabus dan RPP serta alat ukur berupa soal pretest dan posttest, LKS, kuisioner motivasi dan lembar observasi keaktifan. Soal pretest dan posttest digunakan untuk mengukur prestasi belajar siswa. Pengukuran motivasi belajar siswa menggunakan kuisioner motivasi. Pengukuran keaktifan belajar siswa menggunakan observasi kegiatan. Pengujian data ketiga aspek menggunakan uji-t statistika.

Penelitian dimulai dengan penyusunan instrumen dan alat ukur, pemberian soal pretest, pelaksanaan pembelajaran sekaligus observasi keaktifan, pemberian soal posttest, pemberian kuisioner motivasi.

Hasil penelitian menunjukkan bahwa metode *inquiry* dapat menumbuhkan pendekatan proses, meningkatkan prestasi belajar, keaktifan dan motivasi belajar siswa.

ABSTRACT

Wulan Suka Rinawathi. 2013. *Learning Physics with Process Approach through Inquiry Method in Viscosity to Improve Achievement of Learning, Student Activity and Student Motivation in SMA Negeri 11 Yogyakarta.* Thesis. Physical Education Studies Program, Department of Mathematics Education and Natural Sciences, Faculty of Teacher Training and Education. Yogyakarta: Sanata Dharma University.

This research was quantitative experiment research. This study aimed to measure the distinction of student achievement, engagement and motivation in learning process between the experimental class and the control class.

This research was conducted on April 4 – 19, 2013 in SMA Negeri 11 Yogyakarta. Subjects of this research were 29 students of class XI Science 1 and 29 students of class XI Science 2. Class XI Science 1 was considered as the control class, while class XI Science 2 as the science experiment. Class XI Science 1 was given experimental class inquiry method of teaching and the other hand class XI Science 2, the control class, was given lecturing teaching methods.

Instruments used in this research were form of syllabi, lesson plans, and assessment tasks such as pretest and posttest questions, worksheets, questionnaires and engagement motivation observation sheets. Pretest and posttest questions were used to assess students' achievement. To assess the students' motivation, the researcher applied questionnaire in motivation while assessing of student learning activity the researcher did observation activities. The researcher had the t test statistic to examine the third aspects of the data.

The study was began from the preparation of instruments and assessment tasks, providing pretest questions, implementing the learning process and did engagement observations, providing posttest questions, and providing motivation questionnaire.

The results of the study showed that the method of inquiry can foster the ability to improve students' achievement, engagement and motivation in learning process.