

ABSTRAK

Agata Novia Adriani, “Analisis Kesulitan Siswa Dalam Menyelesaikan Soal Fisika, dan Efektivitas Program Remedi sebagai Upaya Membantu Siswa Kelas X di SMA Stella Duce Bantul untuk Memahami Materi Vektor”

Program Studi Pendidikan Fisika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta (2012).

Penelitian ini bertujuan untuk menyelidiki kesulitan siswa dalam menyelesaikan soal Fisika yang diberikan. Selain itu, penelitian juga dimaksudkan untuk mengadakan suatu program, sebagai upaya untuk membantu siswa mengatasi kesulitan mereka dalam menyelesaikan soal. Program ini disebut sebagai program remedi.

Penelitian ini dilaksanakan di SMA Stella Duce Bantul. Subyek penelitian ini adalah siswa-siswi kelas X SMA Stella Duce Bantul sejumlah 36 orang. Penelitian ini dilaksanakan pada bulan September 2012.

Instrumen yang digunakan dalam penelitian ini berupa instrumen tes dan non tes. Penelitian dilakukan melalui empat tahap kegiatan yaitu (1) observasi, (2) pengadaaan *preteset*, (3) pelaksanaan program remedi, (4) pelaksanaan *posttest*.

Hasil penelitian menunjukkan bahwa siswa mengalami kesulitan pada materi vektor. Namun, program remedi yang diadakan ternyata efektif membantu siswa mengatasi kesulitan mereka untuk memahami materi vektor. Secara kualitatif, hal ini dilihat dari meningkatnya prosentase jumlah siswa yang masuk kategori sangat paham dalam menyelesaikan soal yang diberikan. Selain itu, perhitungan secara kuantitatif terhadap perbandingan hasil *pretest* dan *posttest* siswa menunjukkan hasil yang signifikan.

ABSTRACT

Agata Novia Adriani, "Analysis of Student Difficulties in Physics Problem Solving and The Effectiveness Remedial Program as Effort Helps High School Students in Class X Stella Duce Bantul to Understanding Vector Material.

Physical Education Studies Program, Department of Mathematics and Natural Sciences, Faculty of Teacher Training and Education, Sanata Dharma University, Yogyakarta (2012).

This study aims to investigate students' difficulties in solving physics problems is given. In addition, the study also aimed to establish a program, an effort to help students overcome their difficulties in solving the problem. The program is referred to as a remedial program.

This research was conducted at the High School Stella Duce Bantul. The subjects of this study were students of class X SMA Stella Duce Bantul some 36 people. The study was conducted in September 2012.

The instrument are used in this study are in test instruments and test form The research was conducted through four phases of activities: (1) observation, (2) procurement pretest, (3) implementation of remedial programs, (4) implementation of the posttest.

The Results of Research showed that students had difficulty in vector material. However, the program was effective remedy was held to help students overcome their difficulties to understand the material vector. Qualitatively, it is seen from the increase in the percentage of students who entered the category of great understanding in solving the given problem. In addition, the quantitative calculation of the comparison results of pretest and posttest of students showed significant results.