

ABSTRAK

Agustina Ika Isrianawati. 2008. *Pembelajaran Gaya Pegas dan Elastisitas Bahan dengan Dukungan Media Pembelajaran Website: Sebuah Upaya untuk Menumbuhkan Motivasi Belajar dan Meningkatkan Pemahaman Siswa di Kelas XI IPA SMA Santa Maria Yogyakarta*. Skripsi S-1. Yogyakarta: Pendidikan Fisika. JPMIPA. FKIP. Universitas Sanata Dharma.

Penelitian ini merupakan penelitian kualitatif yang bersifat eksploratif deskriptif. Penelitian ini bertujuan untuk mengembangkan media *website* untuk pembelajaran gaya pegas dan elastisitas bahan yaitu (1) mengetahui kualitas media pembelajaran *website* yang digunakan peneliti, (2) mengetahui kesiapan siswa menggunakan media pembelajaran *website*, (3) mengetahui apakah penggunaan media pembelajaran *website* dapat menumbuhkan motivasi belajar siswa, dan (4) mengetahui apakah penggunaan media pembelajaran *website* dapat meningkatkan pemahaman siswa.

Instrumen yang digunakan oleh peneliti dalam penelitian ini adalah *website* pembelajaran mengenai topik gaya pegas dan elastisitas bahan, kuesioner, lembar pengamatan, soal *pre-test*, soal *post-test* dan lembar isian untuk menuliskan kritik, saran, dan komentar.

Penelitian ini diawali dengan pembuatan media seperti video, animasi, dan foto/gambar yang akan dimasukkan dalam *website*, membuat dan merancang *website*, mengerjakan soal *pre-test*, pelaksanaan kegiatan pembelajaran dengan dukungan media pembelajaran *website*, dan mengerjakan soal *post-test*. Keseluruhan proses penelitian ini membutuhkan waktu tujuh bulan dari bulan Maret sampai September 2008.

Pelaksanaan penelitian dilakukan di SMA Santa Maria Yogyakarta pada bulan September 2008. Subyek penelitian (partisipan) adalah siswi-siswi kelas XI program Ilmu Pengetahuan Alam (IPA).

Hasil penelitian menunjukkan bahwa (1) *website* yang digunakan oleh peneliti untuk pembelajaran mengenai topik gaya pegas dan elastisitas bahan memiliki kualitas yang baik, (2) siswa siap mengikuti pembelajaran Fisika dengan dukungan media pembelajaran *website*, (3) penggunaan media pembelajaran *website* dapat menumbuhkan motivasi belajar siswa, (4) penggunaan media pembelajaran *website* dapat meningkatkan pemahaman belajar siswa.

ABSTRACT

Agustina Ika Isrianawati. 2008. *Spring Force and Material Elasticity Learning Supported by Website Learning Media: An Effort to Increase Students' Learning Motivation and Develop Students' Learning Understanding at 11th graders of the science class of Santa Maria Senior High School of Yogyakarta*. S-1 A Thesis. Yogyakarta. Physics Education Study Program. Department of Mathematics and Science Education. Faculty of Teachers Training and Education. Sanata Dharma University.

This research is defined as a qualitative research with descriptive and explorative methods as its roots. This research is intended to identify (1) the web's quality used in the learning process, (2) students' readiness on using website learning media, (3) whether the use of website learning media can increase students' learning motivation, and (4) whether the use of website learning media can develop students' learning understanding.

The writer uses several instruments for accomplishing the research. Those are website learning media with spring force and material elasticity as its topic, three questionnaires, an observation sheet, a pre-test, a post-test, and blank sheets in which the participants are to write critics, suggestions, and comments.

The first steps of the process of accomplishing the research are working with the media production such as videos, animations, and pictures as well as photos used in the website, designing the website, doing the pre-test, teaching participants using web-based learning media, and doing the post-test. The writer has to spend for about seven months working with all of the process of accomplishing the research starting on March up to September 2008.

This research has taken place at Santa Maria Senior High School of Yogyakarta. The writer taught the 11th graders of the science class of Santa Maria Senior High School of Yogyakarta as the research participants on September 2008.

The results of the research show that (1) the website used by the writer to teach the participants has a good quality, (2) the students are ready to have website learning media as their media of the teaching learning process, (3) the use of website learning media can increase students' learning motivation, and (4) the use of website learning media can develop students' learning understanding.