

ABSTRAK

Pasinggi, Tri Wahyu Ningsi. 2016. **Studi Kasus Kelengkapan dan Penggunaan Alat Laboratorium Fisika SMA dalam Bidang Mekanika di Kecamatan Rantepao dan Kecamatan Sesean, Toraja Utara, Sulawesi Selatan**. Skripsi. Program Studi Pendidikan Fisika. Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam. Fakultas Keguruan dan Ilmu Pendidikan. Universitas Sanata Dharma Yogyakarta.

Penelitian ini bertujuan untuk mengetahui: (1) Kelengkapan alat laboratorium Fisika khususnya pada bidang mekanika SMA di Kecamatan Rantepao dan Kecamatan Sesean; (2) Tingkat penggunaan alat laboratorium Fisika khususnya pada bidang mekanika SMA di Kecamatan Rantepao dan Kecamatan Sesean; (3) Pemahaman guru-guru Fisika SMA di Kecamatan Rantepao dan Kecamatan Sesean dalam penggunaan alat laboratorium Fisika khususnya pada bidang mekanika.

Penelitian ini dilaksanakan pada bulan Mei 2016 pada tiga SMA di Toraja Utara. SMA tersebut adalah SMA Negeri 1 Rantepao, SMA Pelita Rantepao, dan SMA Negeri 1 Sesean. Sampel penelitian adalah 3 siswa kelas X, 3 siswa kelas XI, beberapa guru Fisika, dan 3 laboratorium Fisika. Instrumen yang digunakan untuk memperoleh data yaitu: observasi alat laboratorium Fisika dalam bidang mekanika, wawancara guru, wawancara siswa, dan studi dokumen.

Hasil penelitian menunjukkan bahwa: (1) untuk kelengkapan alat laboratorium, SMA Negeri 1 Rantepao termasuk dalam kategori cukup lengkap sedangkan SMA Pelita Rantepao dan SMA Negeri 1 Sesean termasuk dalam kategori sangat tidak lengkap; (2) Tingkat penggunaan alat laboratorium Fisika yang masih kurang dikarenakan alat laboratorium yang sudah mulai rusak dan tidak terurus; (3) Pemahaman guru Fisika yang masih kurang mengenai penggunaan alat laboratorium dalam menunjang proses belajar.

Kata kunci: *kelengkapan alat laboratorium Fisika, penggunaan alat laboratorium Fisika, pemahaman guru Fisika, mekanika.*

ABSTRACT

Pasinggi, Tri Wahyu Ningsi. (2016). A Case Study on the Completeness and the Use of Physics Laboratory's Equipment of Senior High School (SHS) in Mechanics Field in the Districts of Rantepao and Sesean, North Toraja, South Sulawesi. An Undergraduate Thesis. Physics Education Study Program. Department of Mathematics and Natural Sciences. Faculty of Teachers Training and Education. Sanata Dharma University.

This research aimed to find out: (1) the completeness of Physics laboratory especially in mechanics field of SHS in the Districts of Rantepao and Sesean; (2) the use level of Physics laboratory especially in mechanics field of SHS in the District of Rantepao and Sesean; (3) the understanding of SHS Physics teachers in the District of Rantepao and Sesean on the use of Physics laboratory's equipment especially in mechanics field.

This research was conducted on May, 2016 at three SHS in North Toraja. The SHS was SMA Negeri 1 Rantepao, SMA Pelita Rantepao, and SMA Negeri 1 Sesean. The research sample was 3 students of grade X, 3 students of grade XI, several Physics teachers, and 3 Physics laboratory's. The instrument which was used to obtain the data was: the observation of Physics laboratory's equipment in mechanics field, teacher's interview, students' interview, and document study.

The research results showed that: (1) for the completeness of Physics laboratory's equipment, SMA Negeri 1 Rantepao was included on the category of fairly complete while SMA Pelita Rantepao and SMA Negeri 1 Sesean was included on the category of very incomplete; (2) the use level of Physics Laboratory's Equipment which was still less because laboratory's equipment which started to be damaged and was neglected; (3) the understanding of Physic teacher which was still less on the use of laboratory's equipment in supporting the learning process.

Keywords: the completeness of Physics laboratory's equipment, the use of Physics laboratory's equipment, the understanding of Physics teacher, mechanics