

## ABSTRAK

Wora, Elisabeth. 2016. **Studi Kasus Kelengkapan dan Penggunaan Alat Laboratorium Fisika SMA dalam Bidang Mekanika di Kecamatan Alok Maumere NTT**. 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 mengungkap (1) Kelengkapan alat laboratorium fisika pada bidang mekanika; (2) Tingkat penggunaan alat laboratorium fisika dalam bidang mekanika SMA, dan (3) Pemahaman guru fisika dalam menggunakan alat laboratorium di Kecamatan Alok Maumere NTT. Partisipan penelitian ini yaitu SMAK Frateran Maumere, SMA Seminari Bunda Segala Bangsa, dan SMAK John Paul 2 Maumere. Penelitian ini dilaksanakan pada bulan April 2016. Pengambilan data melalui observasi laboratorium, wawancara guru beserta peserta didik serta studi dokumen. Data dianalisis secara kualitatif dan kuantitatif. Dengan menggunakan desain penelitian studi kasus.

Berdasarkan penelitian diperoleh (1) Kelengkapan alat laboratorium fisika dalam bidang mekanika SMA di Kecamatan Alok untuk sebelas praktikum rata-rata masuk dalam kategori sangat tidak lengkap; (2) Secara keseluruhan alat laboratorium fisika di ketiga SMA di Kecamatan Alok ini jarang digunakan; dan (3) Guru dari ketiga sekolah tersebut masih belum memahami secara keseluruhan penggunaan alat laboratorium fisika. Hal ini diketahui berdasarkan pernyataan langsung dari guru serta pernyataan peserta didik yang menyatakan guru jarang bahkan tidak pernah dilakukan praktikum di sekolah tersebut.

Kata kunci : *Studi kasus, Penggunaan alat laboratorium, Kelengkapan alat laboratorium.*

## ABSTRACT

Wora, Elisabeth. 2016. **Case Study of the Completeness and the Use of Physics Laboratory Tools in Mechanic Field for Senior High School In Alok Districts of Maumere NTT**. Undergraduate Thesis. Physics Education Program of Study, Mathematics and Natural Sciences Education Program, Faculty of Teacher Training and Education, Sanata Dharma University, Yogyakarta

The purpose of this research was to reveal (1) The completeness of Physics Laboratory Tools in Mechanic field for Senior High School; (2) The use level of Physics Laboratory Tools in Mechanic field for Senior High School; and (3) The understanding of Senior High School Physics teacher in Alok Districts of Maumere NTT. The Participants of this research were Frateran Maumere Catholic High School, Seminari Bunda Segala Bangsa High School, and John Paul 2 High School.

This research was hold in April 2016. The data were taken through observation laboratory, interview the teachers and the students, and documentation. The analysis data used qualitative and quantitative. Research design used case study.

The results of this research showed that (1) The Physics Laboratory Tools for Mechanic field in Senior High Schools in Alok Districts for 11 experiments were very incomplete; (2) Overall Physics Laboratory tools in three Senior High Schools in Alok Districts were rarely used; (3) Teachers from three school still do not understand the use of physics laboratory tools overall. It is known by direct statement from teacher and student statement that teacher rarely even never did the experiments in school.

**Keywords :** *Case Study, The Completeness Physics Laboratory Tools, The Use of Physics Laboratory Tools.*