

ABSTRAK

Banik, Megawati Beldandina. 2016. **Studi Kasus Kelengkapan dan Penggunaan Alat Laboratorium Fisika SMA dalam Bidang Mekanika di Kecamatan Teluk Mutiara Alor NTT**. Skripsi. Program Studi Pendidikan Fisika. Jurusan Matematika dan Ilmu Pengetahuan Alam. Fakultas Keguruan dan Ilmu Pendidikan. Universitas Sanata Dharma Yogyakarta.

Penelitian ini bertujuan untuk mengetahui: (1) Kelengkapan alat laboratorium fisika dalam bidang mekanika; (2) Tingkat penggunaan alat laboratorium fisika dalam bidang mekanika; (3) Pemahaman guru fisika mengenai penggunaan alat laboratorium di SMA kecamatan Teluk Mutiara.

Jenis penelitian ini adalah kuantitatif dan kualitatif dengan desain penelitian adalah studi kasus. Penelitian dilakukan pada akhir bulan April sampai awal bulan Mei 2016. Sampel dari penelitian adalah SMA Kristen 01 Kalabahi, SMA Kristen 02 Kalabahi dan SMA St Yosep Kalabahi. Berdasarkan hasil penelitian untuk 3 sekolah, ditemukan bahwa (1) Kelengkapan alat laboratorium bidang mekanika untuk 3 sekolah masih kurang lengkap; (2) Tingkat penggunaan laboratorium fisika 3 sekolah masih rendah; (3) Pemahaman guru fisika mengenai alat laboratorium cukup baik.

Kata Kunci : *Kelengkapan alat laboratorium, Penggunaan alat laboratorium, Pemahaman guru tentang alat laboratorium.*

ABSTRACT

Banik, Megawati Belandina. 2016. **Case Study of the Completeness and the Use of Physics Laboratory Tools in Mechanic Field for Senior High School In Teluk Mutiara Districts of Alor 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; (3) The understanding physics teacher about the use laboratory tools in Teluk Mutiara District of Alor NTT. This type of research is quantitative and qualitative research with experiment design case study. This research conducted at the end of April until early May 2016. The Participants of this research were Christian 01 Kalabahi Senior High School, Christian 02 Kalabahi High School, and Catholic St Yosep Senior High School.

The results of the research for three school showed that: (1) The completeness physics laboratory tools in mechanic field for 3 school incomplete; (2) Level 3 school physics laboratory use is still low, and (3) an understanding of the physics teacher lab instrument quite well.

Keyword : *Completeness laboratory, use of laboratory, teacher understanding of laboratory tools*