

ABSTRAK

Otami Hia, 2016. Pemahaman Konsep Fisika Guru Sekolah Menengah di Kabupaten Nias Barat. Skripsi. Program Studi Pendidikan Fisika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Yogyakarta.

Penelitian ini bertujuan (1) untuk mengetahui sejauh mana pemahaman konsep Fisika guru Fisika Sekolah Menengah di Kabupaten Nias Barat (2) untuk mengetahui bidang Fisika yang sudah dan belum dikuasai oleh guru Fisika Sekolah Menengah di kabupaten Nias Barat (3) untuk mengetahui perbedaan pemahaman konsep Fisika antara guru SMA dan SMP di Kabupaten Nias Barat (4) untuk mengetahui masa kerja guru Fisika Sekolah Menengah di Kabupaten Nias Barat mempengaruhi tingkat pemahaman konsep Fisika.

Penelitian ini dilaksanakan pada bulan Februari 2016 pada 17 Sekolah Menengah di Kabupaten Nias Barat, diantaranya 9 SMA dan 8 SMP. Jumlah sampel dalam penelitian ini adalah 20 guru Fisika, dimana 10 guru Fisika SMA dan 10 guru Fisika SMP. Instrumen yang digunakan adalah instrumen bentuk tes. Tes ini berupa soal-soal materi fisika dengan bentuk *test multiple choices* dengan terbuka.

Hasil penelitian ini menunjukkan bahwa (1) total guru Fisika guru Sekolah Menengah di Kabupaten Nias Barat sebanyak 20 orang memiliki tingkat pemahaman konsep Fisika yang sangat kurang (2) bidang Fisika yang sudah dikuasai oleh guru Sekolah Menengah di Kabupaten Nias Barat yaitu pada bidang optik sebesar 55% tergolong kurang, dan yang belum dikuasai yaitu pada bidang gelombang mekanik sebesar 18.75% tergolong sangat kurang (3) tingkat pemahaman konsep Fisika guru SMA sebesar 33,2% sedangkan tingkat pemahaman konsep Fisika guru SMP sebesar 28.8%, dan (4) tidak ada perbedaan antara pemahaman konsep Fisika Guru Sekolah Menengah di Kabupaten Nias Barat berdasarkan masa kerja selama ≤ 5 tahun sebesar 30.46% dan selama > 5 tahun sebesar 30.29%.

Kata kunci: Pemahaman Konsep Fisika, guru Fisika, Kabupaten Nias Barat

ABSTRACT

Otami Hia, 2016. Comprehension Concept of Physics of High School Teacher in West Nias District. Thesis. Physics Education Study Program, Department Mathematics and Science Education, Faculty of Teachers Training and Education, Sanata Dharma University at Yogyakarta.

This study aimed (1) to determine the comprehension concept of Physics of High School physics teacher in West Nias District (2) to discover the field of physics that have been mastered and have not been mastered by the High School physics teacher in West Nias District (3) to determine the differences of comprehension concept of physics between Senior High School physics teacher and Junior High School physics teacher in West Nias District (4) to determine the affect of work period of High School physics teacher at West Nias District to the level of comprehension concepts of physics.

This study conducted on February 2016 at 17 High Schools in West Nias District, including 9 Senior High Schools and 8 Junior High Schools. The samples of this study are 20 physics teachers; 10 Senior High School physics teachers and 10 Junior High School physics teachers. The instrument used was test form instrument. This test in the form of physics subject with a multiple choices and open question.

The results of this study indicate that (1) total of physics teacher of High School in West Nias is 20 teachers have comprehension concept of physics, belongs to the very-low level, (2) mastery of teachers in the field of physics is still lacking in the amount of 32.01%, which is the field of mechanics, termophysics, mechanical wave, magnetical electricity, and modern physics. However, there are field of optics belong to the low level. (3) The level of comprehension concept of physics of Senior High School physics teacher is 33.2% and The level of comprehension concept of physics of Senior High School physics teacher is 28.8%, and (4) there is no difference between the comprehension concept of physics of High School physics teacher in West Nias District based on work period for ≤ 5 years with 30.46 % and for > 5 years with 30.29%.

Keywords: Comprehension Concepts of Physics, Physics teacher, West Nias District