

ABSTRAK

Gulo, Timotius. 2016. Keterampilan Proses Sains Guru IPA 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 Dharma, Yogyakarta.

Penelitian ini merupakan penelitian kuantitatif yang bertujuan untuk mengetahui sejauh mana penguasaan keterampilan proses sains guru IPA dan aspek keterampilan proses sains yang sudah dan belum dikuasai guru IPA di Kabupaten Nias Barat. Penelitian ini melibatkan 51 guru IPA sekolah menengah yang terdiri dari 22 guru IPA SMP dan 29 guru IPA SMA yaitu 10 guru Biologi, 10 guru Fisika dan 9 guru Kimia.

Penelitian ini menggunakan instrumen berupa soal-soal tentang keterampilan proses sains yang terdiri dari lima aspek yaitu mengidentifikasi variabel, mendefinisikan variabel secara operasional, merumuskan hipotesis, merancang eksperimen dan interpretasi data. Instrumen yang digunakan dalam penelitian ini diambil dari *Journal of Research in Science Teaching* yang berjudul *Development of an Integrated Process Skill Test: TIPS II*.

Hasil penelitian menunjukkan bahwa tingkat penguasaan keterampilan proses sains guru IPA di Kabupaten Nias Barat tergolong sangat kurang dengan rata-rata skor sebesar 42.21%. Penguasaan keterampilan proses sains guru IPA pada setiap aspek secara keseluruhan masih sangat kurang. Perlu peningkatan penguasaan semua aspek keterampilan proses sains guru IPA sekolah menengah di Kabupaten Nias Barat.

Kata kunci: keterampilan proses sains, guru IPA.

ABSTRACT

Gulo, Timotius. 2016. Science Process Skill of High School Science Teacher in West Nias Regency. Thesis. Physics Education Study Program, Major of Mathematics and Science, Faculty of Teachers Training and Education, Sanata Dharma University, Yogyakarta.

This research is a quantitative research which aims to know the extent of science teacher mastering the science process skill and the aspect of science process skill which has or has not been mastered by science teacher in West Nias Regency. This research involved 51 high school teachers consisting of 22 junior high school science teachers and 29 senior high school science teachers. From those 29 senior high school science teachers, 10 of them were Biology teachers, 10 physics teachers, and 9 chemical teachers.

This research applied instrument such as questions about science process skill. The questions covered five aspects namely identifying variable, explaining variable operationally, formulating hypothesis, designing experiment, and interpreting data. The instrument applied in this research was taken from Journal of Research in Science Teaching entitled Development of an Integrated Process Skill Test: TIPS II.

The result of this research showed that the mastery level of science process skill of science teacher in West Nias Regency is very lack and the average score is 42.21%. The mastery of science process skill of science teacher on each aspect as whole is very lack. The mastery improvement of all science process skill aspects of high school science teacher in West Nias Regency is necessary.

Keywords: science process skill, science teacher.