IDENTIFIKASI KEMAMPUAN SISWA DALAM MENYELESAIKAN SOAL KONSEP MOL DI KELAS X SMA NEGERI 1 WONOSARI

(Suatu Penelitian di Kelas X SMA Negeri 1 Wonosari)

SKRIPSI

(Diajukan Sebagai Prasyarat Untuk Mengikuti Ujian Sarjana Pendidikan Jurusan Pendidikan Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Negeri Gorontalo)

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JURUSAN KIMIA

PRODI PENDIDIKAN KIMIA

2015

PERSETUJUAN PEMBIMBING

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ABSTRACT

Novianti, Rani. 2015. *Identification of Students' Ability in Accomplishing Mole Concept at Class of X SMA Negeri 1 Wonosari*. Skripsi. Department of Chemistry Education, Faculty of Mathematics and Natural Science. State University of Gorontalo. Principal Supervisor is Prof. Dr. Ishak Isa M.Si and Co-Supervisor is Dr. Yuszda K. Salimi S.Si, M.Si.

This research aimed at finding out students' ability in accomplishing mole concept at the class of X SMA Negeri 1 Wonosari. The research design used descriptive qualitative. The subjects were students at class of X SMA Negeri 1 Wonosari in 2014/2015 academic year. The samples in this research were 29 students. The Instrument used an essay test consisting of 10 numbers. From the result of instrument test trials, it obtained 10 questions in which r_{count} validation was higher than r_{tabel} and the reliability coefficient test was 0,57. The data were then analyzed descriptively.

The research result showed the indicator 1.) 72% students were able to accomplish the test properly in implementing mole concept on chemistry calculation, 2.) 69% students were able to accomplish the test in distinguishing mole concept on gas and solution, 3.) 41% students were able to decide the empirical and molecular formulas along with hydrate compound, 4.) 24,75% students were able to analyze mole concept in accomplishing chemistry calculation (correlation among the amount of moles, particles, mass and gas volume in reaction equation and limiting reactant), 5.) 8,5% students were able to equalize the reaction equation, 6.) 3% students were able to decide relative atomic mass (Ar) and relative molecular mass (Mr).

Keywords: *Ability, Completion Way, Material of Mole Concept*

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