

## ABSTRAK

**Umar, Asrazulida.** 2014. *Identifikasi kesulitan mahasiswa Jurusan Pendidikan Kimia Universitas Negeri Gorontalo FMIPA dalam memahami konsep struktur atom.* Skripsi Jurusan Pendidikan Kimia Program Pendidikan Strata-1 (S1) Fakultas Matematika dan IPA Universitas Negeri Gorontalo (UNG). Dosen Pembimbing 1. Prof. Dr. Ishak Isa, M.Si dan Pembimbing 2. Drs. Mangara Sihaloho, M.Pd.

Tujuan penelitian ini adalah untuk mengidentifikasi bagaimana kesulitan mahasiswa dalam memahami konsep struktur atom. Jenis penelitian ini yaitu deskriptif kuantitatif. Jumlah sampel dalam penelitian ini adalah 126 orang mahasiswa yang terdiri dari semester I berjumlah 43 orang, semester III berjumlah 37 orang dan mahasiswa semester V berjumlah 46 orang, dengan pengambilan sampel menggunakan teknik *Simple Random Sampling*. Instrumen penelitian menggunakan tes pilihan ganda (objektif), dengan pengujian validasi dan reliabilitas sehingga diperoleh 44 butir soal yang valid dari 99 butir soal dengan reliabilitas sebesar 0,63. Setelah dilakukan tes diperoleh sebanyak 94,94 % mahasiswa yang mengalami kesulitan dalam memahami konsep struktur atom. Berdasarkan data hasil penelitian tersebut, maka masih banyak mahasiswa yang mengalami kesulitan dalam memahami konsep struktur atom. Dengan presentase jawaban mahasiswa yang benar secara keseluruhan yaitu 5,06 %.

**Kata kunci :** kesulitan memahami, konsep struktur atom

## ABSTRACT

**Umar, Asrazulida.** 2014. *Identifying the Students' Difficulties of Chemistry Education Department at the Faculty of Mathematic and Natural Sciences of Universitas Negeri Gorontalo in Understanding the Structure of Atom Concept.* Department of Bachelor Education of Chemistry Education, Faculty of Mathematic and Natural Sciences, Universitas Negeri Gorontalo (UNG). The principal supervisor was Prof. Dr. Ishak Isa, M.Si and the co-supervisor was Drs. Mangara Sihaloho, M.Pd.

The research aimed to identify the students' difficulties in understanding the structure of atom concept. The research was a descriptive quantitative research. The total samples were 126 students which consisted of semester I amounted to 43 students, semester III amounted 37 to students, and semester V amounted to 46 students, by having *Simple Random Sampling* as technique of sampling. The instrument of research was multiple choice tests. By applied validity and reliability test, it was obtained 44 valid questions of 99 total questions, with the reliability as 0,63. After conducting the test, it was obtained that there were 94,94 % students who had difficulty in understanding structure atom concept. The data of research result showed that there were many students who had difficulty in understanding the structure of atom concept, with the percentage of students' right answer as 5,06 %.

**Keywords :** difficulty in understanding, structure of atom concept

