

**HUBUNGAN PEMAHAMAN SIMBOL, BESARAN DAN SATUAN FISIKA
DENGAN HASIL BELAJAR FISIKA**

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ABSTRAK

I Made Astana. 2015. Hubungan Pemahaman Simbol, Besaran dan Satuan Fisika dengan Hasil Belajar Fisika. Skripsi, Program Studi Pendidikan Fisika, Jurusan Fisika, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Gorontalo. Pembimbing I Dr. Masri Kudrat Umar, S.Pd, M.Pd, dan pembimbing II Supartin, M.Pd.

Penelitian ini bertujuan untuk mengetahui hubungan antara pemahaman simbol, besaran dan satuan fisika dengan hasil belajar fisika. Penelitian ini termasuk jenis penelitian survey dengan menggunakan teknik analisis korelasi dengan sampel penelitian siswa kelas X IPA SMA Negeri 1 Dungaliyo tahun pelajaran 2014-2015 yang berjumlah 28 orang. Hasil penelitian menunjukkan bahwa (a) terdapat hubungan antara pemahaman simbol fisika dengan hasil belajar fisika sebesar 24,1 % dengan koefisien korelasi (r) sebesar 0,49, (b) terdapat hubungan antara pemahaman besaran fisika dengan hasil belajar fisika sebesar 36,363 % dengan koefisien korelasi (r) sebesar 0,603, (c) terdapat hubungan antara pemahaman satuan fisika dengan hasil belajar fisika sebesar 30,36 % dengan koefisien korelasi (r) sebesar 0,551, (d) terdapat hubungan secara bersama-sama antara pemahaman simbol, besaran dan satuan fisika dengan hasil belajar fisika sebesar 52,91 % dengan koefisien korelasi ganda R_{y-123} sebesar 0,7274. Dengan demikian untuk meningkatkan hasil belajar fisika dapat dilakukan dengan pemahaman simbol, besaran dan satuan fisika.

Kata Kunci: Simbol, Besaran, Satuan, dan Hasil Belajar.

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ABSTRACT

I Made Astana. 2015. **Correlation Between Understanding Symbols, Quantity, and Units in Physics Subject and the Physics' Learning Achievement.** Skripsi, Study Program of Physics Education, Department of Physics, Faculty of Mathematics and Natural Science, State University of Gorontalo. The principal supervisor was Dr. Masri Kudrat Umar, S. Pd., M. Pd and Co-supervisor was Supartin, M. Pd.

This research aimed at finding out the correlation between understanding of symbols, quantity, and units in physics subject with the physics' learning achievement. This research was a survey research with correlation analysis and the samples of this research were 28 students of the X Grade of Natural Science Major in SMA N 1 Dungaliyo in the academic year of 2014-2015. This research findings showed that (a) there was a 24.1% correlation between the understanding of physics symbols and the learning achievement in physics, with the correlation coefficient value $(r) = .49$, (b) there was a 36.363% correlation between understanding of quantity in physics and the physics' learning achievement with the correlation coefficient value $(r) = .603$, (c) there was a 30.36% correlation between understanding of unity in physics and the learning achievement in physics with the coefficient correlation value (r) of $.551$, (d) there was a 52.91% of simultaneous correlation between the understanding of symbols, quantity, and units in physics and the learning achievement, with the multiple correlation coefficient of $R_{y123} = .7274$. Therefore, in order to improve students' learning achievement, it can be done through understanding of physics' symbols, quantity, and units.

Keywords: Symbol, Quantity, Units, and Learning achievement

