

ABSTRAK

PEMAHAMAN MAHASISWA PROGRAM STUDI PENDIDIKAN FISIKA UNIVERSITAS SANATA DHARMA YOGYAKARTA TENTANG GAYA DAN PERCEPATAN GRAVITASI

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Penelitian ini bertujuan untuk: mengungkapkkan pemahaman mahasiswa Program Studi Pendidikan Fisika Universitas Sanata Dharma Yogyakarta tentang gaya dan percepatan gravitasi. Penelitian ini bersifat deskriptif kuantitatif dan deskriptif kualitatif. Penelitian ini dilaksanakan pada bulan Juli 2023. Subjek Penelitian berjumlah 12 mahasiswa Pendidikan Fisika Universitas Sanata Dharma Yogyakarta. Tes tertulis dan wawancara digunakan untuk mengukur pemahaman mahasiswa. Data yang diperoleh berupa jawaban yang diisi melalui *google form* dan wawancara.

Hasil penelitian menunjukkan bahwa: (1) mahasiswa belum memahami dengan betul tentang materi percepatan gravitasi (2) pertanyaan dapat membuat mahasiswa lebih memahami dengan cukup baik dan berkembang.

Kata kunci: *pemahaman, gaya, percepatan gravitasi*



ABSTRACT

***UNDERSTANDING OF STUDENT'S OF THE PHYSICS
EDUCATION STUDY PROGRAM AT SANATA DHARMA
UNIVERSITY YOGYAKARTA ABOUT THE FORCE AND
ACCELERATION OF GRAVITY***

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This study aims to reveal the understanding of students of the Physics Education Study Program at Sanata Dharma University Yogyakarta about the force and acceleration of gravity. This research is descriptive quantitative and descriptive qualitative. This research was conducted in July 2023. The research subjects were 12 Physics Education students at Sanata Dharma University, Yogyakarta. Written tests and interviews are used to measure students understanding. The data obtained is in the form of answers filled out via google forms and interviews.

The results of the study show that: (1) students do not understand correctly about the material of gravitational acceleration (2) questions can make students understand better and learn well.

Keywords: *understanding, force, gravitational acceleration*