

ABSTRAK

**Cicilia Widyanita Radasari. “Deteksi Miskonsepsi dalam Film Kartun *Tom and Jerry* Episode “*Cruise Cat*” dan pada Siswa Kelas XI IPA SMA Pangudi Luhur Yogyakarta yang Menyaksikannya”. Program Studi Pendidikan Fisika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta. 2010.**

Penelitian ini bertujuan untuk mengetahui (1) apakah terdapat miskonsepsi fisika dalam film kartun *Tom and Jerry* episode “*Cruise Cat*”, (2) apakah miskonsepsi fisika yang ditemukan juga terdapat pada siswa kelas XI IPA SMA Pangudi Luhur Yogyakarta.

Penelitian dilakukan di SMA Pangudi Luhur Yogyakarta pada tanggal 7 November 2009. Sampel penelitian merupakan siswa kelas XI IPA2 yang berjumlah 22 orang.

Instrumen yang digunakan dalam penelitian ini adalah: (1) analisis film kartun *Tom and Jerry* episode “*Cruise Cat*”, (2) tes tertulis pilihan ganda dengan alasan terbuka untuk mengetahui pengetahuan yang dimiliki siswa terkait dengan konsep fisika yang diujikan (3) keyakinan jawaban siswa berdasarkan CRI (*Certainty of Response Index*) untuk mengetahui tingkat keyakinan jawaban siswa.

Hasil penelitian menunjukkan bahwa: (1) terdapat miskonsepsi fisika dalam film kartun *Tom and Jerry* episode “*Cruise Cat*” dengan konsep fisiknya meliputi konsep gerak parabola, gaya gravitasi, kecepatan aliran air, dan aksi reaksi; (2) Miskonsepsi fisika yang ditemukan dalam film kartun *Tom and Jerry* episode “*Cruise Cat*” juga terdapat pada siswa kelas XI IPA SMA Pangudi Luhur Yogyakarta dengan variasi miskonsepsi pada masing-masing konsep fisika.

**ABSTRACT**

**Rdiasari, Cicilia Widyanita. *Detection of Misconception in Tom and Jerry Cartoon Movie Chapter "Cruise Cat" and the misconception of the XI grade Science Class in SMA Pangudi Luhur Yogyakarta Whose Watched That Movie. Physics Education Study Program, Department of Mathematics and Science Education, Faculty of Teacher Training and Education, Sanata Dharma University, Yogyakarta. 2010.***

The aim of this research are: (1) to know if there is a physics misconception in Tom and Jerry cartoon movie chapter "Cruise Cat", (2) to know if the physics misconception that found in Tom and Jerry cartoon movie chapter "Cruise Cat" also happened in the XI grade Science Class misconception in SMA Pangudi Luhur Yogyakarta whose watched that movie.

The research was conducted in Pangudi Luhur Senior High School Yogyakarta on November 7<sup>th</sup> 2009. The participants were 22 XI grade students in Science Class.

The instruments in this research were: (1) the analysis of Tom and Jerry Chapter "Cruise Cat" Cartoon Movie, (2) material testing in the form of multiple choices with open reasoning to know students' knowledge about the tested physics concepts, (3) the CRI (Certainty of Response Index) to know the certainty of the students in answering the questions.

The results of the research show that: (1) there are physics misconceptions in Tom and Jerry cartoon movie chapter "Cruise Cat" with the physics concept including projectile motion concept, gravitation, fluid current velocity, and action and reaction concept; (2) the physics misconceptions were found in Tom and Jerry cartoon movie chapter "Cruise Cat" are also found in the XI grade Science Class in SMA Pangudi Luhur Yogyakarta, with misconception variety on each physics concept.