

ABSTRAK

Ramadhani, Asiah, (8176182006). *Pengembangan Media Video Praktikum IPA Berbasis Pendekatan Saintifik Topik Perpindahan Panas di Kelas V SD.* Tesis. Pendidikan Dasar. Program Pascasarjana Universitas Negeri Medan.

Penelitian ini bertujuan untuk: 1) mengetahui proses pengembangan media video praktikum IPA berbasis pendekatan saintifik yang dilakukan 2) menghasilkan media video praktikum IPA berbasis pendekatan saintifik topik perpindahan panas yang layak digunakan, 3) menghasilkan media video praktikum IPA berbasis pendekatan saintifik topik perpindahan panas yang praktis digunakan, 4) menghasilkan media video praktikum IPA berbasis pendekatan saintifik topik perpindahan panas yang efektif digunakan dalam meningkatkan hasil belajar siswa di kelas V SD. Model pengembangan dalam penelitian ini menggunakan model pengembangan *Borg & Gall* yang telah diadaptasi menjadi sederhana. Penelitian ini dilaksanakan di SD Negeri 064995 Medan. Subjek dari penelitian ini adalah 30 siswa kelas V SD Negeri 064995 Medan. Hasil penelitian menunjukkan 1) Validasi ahli materi 4,68 dengan kategori sangat layak, 2) Validasi ahli media 4,52 dengan kategori sangat layak, 3) Pada uji coba kelompok kecil 4,13 dengan kategori praktis, 4) Pada uji coba lapangan 4,61 dengan kategori sangat praktis, 5) Respon siswa terhadap media video praktikum IPA baik, 6) Keefektifan media video praktikum IPA berbasis pendekatan saintifik topik perpindahan panas dilihat dari hasil belajar siswa memperoleh nilai 77,6 dengan persentase *gain score* mencapai 0,63 dengan kategori sedang. Media video praktikum IPA berbasis pendekatan saintifik topik perpindahan panas layak, praktis dan efektif untuk digunakan dalam pembelajaran

Kata Kunci : *Media Video Praktikum IPA, Pendekatan Saintifik, Hasil Belajar, Perpindahan Panas.*



ABSTRACT

Ramadhani, Asiah, (8176182006). *Development of Video Media for Natural Science Practicum Based on the Scientific Approach to the Topic of Heat Transfer in Class V SD.* Thesis. Basic education. Postgraduate Program. Medan State University.

This study aims to: 1) to find out the process of developing the science practicum video media based on the scientific approach carried out 2) produce a video media for science practicum based on a scientific approach to heat transfer topics that are suitable for use, 3) produce a video media for a science practicum based on a scientific approach to the topic of heat transfer that is practically used, 4) produce a science practicum video media based on a scientific approach to the topic of heat transfer which is effective in improving student learning outcomes in grade V SD. The development model in this study uses the Borg & Gall development model which has been adapted to be simple. This research was conducted at SD Negeri 064995 Medan. The subjects of this study were 30 students of grade V SD Negeri 064995 Medan. The results showed 1) validation of material experts 4,68 with very feasible category, 2) validation of media experts 4,62 with very feasible category, 3) In small group trials 4,13 with practical categories, 4) In field trials 4,61 with the very practical category, 5) Student responses to the video media for the science practicum were good, 6) The effectiveness of the science practicum video media based on the scientific approach to heat transfer topics seen from the student learning outcomes obtained a value of 77,6 with a percentage Gain Score of 0,63 medium category. Science practicum video media based on a scientific approach to the topic of heat transfer is feasible, practical and effective for use in learning.

Keywords: *Science Practicum Video Media, Scientific Approach, Learning Outcomes, Heat Transfer.*