

ABSTRAK

Hidayati Wijaya (8166175010). Pengembangan Bahan Ajar Fisika SMA Berbasis Budaya Jawa. Program Pascasarjana Universitas Negeri Medan 2016.

Penelitian ini bertujuan untuk mendeskripsikan validitas, kepraktisan dan keefektifan bahan ajar Fisika berbasis budaya Jawa dan untuk menganalisis peningkatan hasil belajar siswa yang dalam implementasinya menggunakan model pembelajaran kooperatif berbasis budaya Jawa. Penelitian ini merupakan *Research and Development* (R&D) dengan menggunakan model 4-D meliputi tahapan *define, design, develop, dan disseminate*. Bahan ajar Fisika yang dikembangkan berupa buku guru, buku siswa, tes hasil belajar. Aspek budaya Jawa diintegrasikan ke dalam fase-fase model pembelajaran kooperatif. Kegiatan diskusi siswa dilakukan dengan pola interaksi budaya Jawa yaitu bermusyawarah dan bermufakat dalam menyelesaikan permasalahan yang diangkat dari ilustrasi budaya Jawa. Subjek dalam penelitian ini adalah siswa kelas XI MIA II MAS PAB 2 Helvetia. Hasil penelitian menunjukkan bahwa bahan ajar fisika berbasis budaya Jawa dengan menggunakan model pembelajaran kooperatif telah memenuhi kriteria valid, praktis dan efektif. Dan terdapat peningkatan hasil belajar siswa dengan kategori baik setelah menerapkan bahan ajar fisika SMA berbasis budaya Jawa.

Kata Kunci : Pengembangan, Bahan Ajar Fisika, Budaya Jawa.



ABSTRACT

Hidayati Wijaya (8166175010). Development Of Physics Teaching Material For High School Javanese Culture Based. Post Graduate Program, University of Medan in 2016.

This study aims to describe the validity, practicality and effectiveness of Javanese culture-based Physics teaching materials and to analyze the improvement of student learning outcomes that are implemented using a Javanese culture-based cooperative learning model. This research is a Research and Development (R&D) using the 4-Cover model defining, designing, developing, and disseminating. Physics teaching materials developed consist of teacher's books, student books, learning achievement tests. The aspects of Javanese culture are integrated into the phases of the cooperative learning model. The students' discussion activities were carried out with a pattern of Javanese cultural interaction that is deliberation and complete consensus completed with illustrations of Javanese culture. The subjects in this study were students of class XI MIA II MAS PAB 2 Helvetia. The results showed that physics teaching materials based on Javanese culture using cooperative learning models met valid, practical and effective criteria. And Related to increasing student learning outcomes with both categories after applying high school physics teaching materials based on Javanese culture.

Keywords: Development, Physics Teaching Materials, Javanese Culture.