ABSTRAK

Rika Sari Indah Harahap. "Pengembangan Perangkat Pembelajaran Fisika Dengan Model Pembelajaran Kooperatif Berbasis Budaya Batak Untuk Meningkatkan Keterampilan Generik Sains dan Kerja sama Siswa".

Penelitian ini bertujuan untuk mendeskripsikan validitas, kepraktisan dan keefektifan perangkat pembelajaran melalui model pembelajaran kooperatif berbasis budaya Batak dan mengetahui peningkatan keterampilan generik sains dan kerja sama siswa dengan menerapkan perangkat pembelajaran melalui model pembelajaran kooperatif berbasis budaya Batak. Penelitian ini merupakan *Research and Development* (R&D) dengan menggunakan model 4-D meliputi tahapan *define, design, develop,* dan *disseminate*. Penelitian ini dilakukan di sekolah SMA Negeri 1 Tambangan dengan populasi sebanyak 21 siswa di kelas X MIA I. Instrumen dan Teknik pengumpulan data menggunakan lembar validasi perangkat pembelajaran yaitu lembar validasi Rencana Pelaksanaan Pembelajaran (RPP), lembar validasi Lembar Kegiatan Siswa (LKS), lembar validasi instrumen keterampilan generik sains dan kerja sama siswa, lembar penilaian kepraktisan pembelajaran, lembar keefektifan pembelajaran, instrumen aktivitas belajar, instrumen keterampilan generik sains dan angket kerja sama siswa. Peningkatan keterampilan generik sains dan kerja sama siswa menggunakan analisis dengan uji N-gain. Dari hasil penelitian dapat disimpulkan bahwa perangkat pembelajaran melalui model pembelajaran kooperatif berbasis budaya Batak telah memenuhi kriteria valid, praktis dan efektif. Keterampilan generik sains siswa meningkat ke kategori sedang dan terdapat peningkatan kerja sama siswa dengan kategori sedang.

Kata Kunci : *Pengembangan Perangkat Pembelajaran, Kooperatif berbasis Budaya Batak, Keterampilan Generik Sains, Kerja sama.*

ABSTRACT

Rika Sari Indah Harahap. "Development of Physics Learning Device with Batak Culture Based Cooperative Learning Models to Improve Generic Science Skills and Student's Teamwork."

This study aims to describe the validity, practicality and effectiveness through Batak culture based cooperative learning models and to know the improvement of generic science skills and student's teamwork by applying learning tools through Batak culture based cooperative learning models. This research is a Research and Development (R & D) using the 4-D model that includes define, design, develop, and disseminate. This research was conducted at the school of SMA Negeri 1 Tambangan with a population of 21 students in class X MIA I. Instruments and techniques of data collection using learning device validation sheets, namely validation sheets of lesson plan (RPP), validation sheets for student worksheets (LKS), validation sheets for generic science skills instruments and student's teamwork, sheets of learning practicality assessment, learning effectiveness sheets, learning activity instruments, instruments generic science skills and student's teamwork questionnaires. Improved generic science skills and student's teamwork using analysis with N-gain test. The results showed that the learning materials through Batak culture based cooperative learning models had met the criteria of valid, practical and effective. Students generic science skills increase to the medium category and there is an increase in student's teamwork with the medium category.

Keywords: *Lesson Plan, Cooperative based on Batak Culture, Generic science skills, Teamwork.*