

ABSTRAK

Parningotan, NIM 4171121023 (2017). Pengembangan Bahan Ajar Interaktif Berbasis Pendekatan Saintifik Pada Materi Besaran dan Satuan di SMA Swasta HKBP Hutabayuraja

Penelitian ini bertujuan untuk (1) Mengetahui validitas bahan ajar interaktif berbasis pendekatan saintifik pokok bahasan besaran dan satuan di SMA Swasta HKBP Hutabayuraja, (2) Mengetahui kepraktisan bahan ajar interaktif berbasis pendekatan saintifik pokok bahasan besaran dan satuan di SMA Swasta HKBP Hutabayuraja. Subjek dalam penelitian ini adalah siswa kelas X MIA 1 SMA Swasta HKBP Hutabayuraja yang berjumlah 27 orang siswa. Jenis penelitian ini merupakan penelitian pengembangan atau *Research and Development (R&D)* menggunakan model pengembangan Sugiyono. Instrumen yang digunakan dalam penelitian ini terdiri dari angket validasi ahli materi, angket validasi ahli media, respon siswa dan respon guru terhadap bahan ajar interaktif berbasis pendekatan saintifik. Teknik analisis data yang digunakan dalam penelitian ini adalah deskriptif. Hasil penelitian ini adalah telah dihasilkan bahan ajar interaktif berbasis pendekatan saintifik yang valid digunakan sebagai media pembelajaran, ditinjau dari validasi ahli materi dengan persentase 91% dan ahli media 95%, tingkat kepraktisan bahan ajar interaktif berbasis pendekatan saintifik pokok bahasan Besaran dan Satuan di SMA yang telah dikembangkan adalah sangat praktis. Respon siswa pada uji coba terbatas dengan melibatkan 6 responden memperoleh persentase 86% termasuk dalam kriteria sangat praktis. Sedangkan pada uji coba luas dengan melibatkan 21 responden memperoleh persentase 86% dengan kriteria sangat praktis, dan untuk respon guru melibatkan 1 responden memperoleh persentase 98% dengan kriteria sangat praktis.

Kata-kata kunci: Pengembangan, bahan ajar interaktif, pendekatan saintifik, besaran dan satuan.



ABSTRACT

Parningotan, NIM 4171121023 (2017). Development of Interactive Teaching Materials Based on Scientific Approach on Materials of Quantities and Units at HKBP Hutabayuraja Private High School

This study is a study that aims to (1) determine the validity of interactive teaching materials based on a scientific approach to the subject of Quantities and Units in high school that have been developed, (2) to determine the practicality of interactive teaching materials based on a scientific approach to the subject of Quantities and Units in high school which has been developed. The subjects in this study were students of class X MIA 1 private High School HKBP Hutabayuraja, totalling 27 students. This type of research is a research development or Research and Development (R&D) using the sugiyono development model. The instruments used in this study consisted of a material expert validation questionnaire and media expert validation, teacher responses and student responses to interactive teaching materials based on a scientific approach. The data analysis technique used in this research is descriptive. The results of this study are valid scientific approach-based interactive learning materials used as learning media, in terms of the validation of material experts with a percentage of 91% and media experts 95%, the level of practicality of interactive learning materials based on scientific approaches on the subject of Quantities and Units in high school that has been developed is very practical. Student responses in a limited trial involving 6 respondents obtained a percentage of 86% including very practical criteria. Meanwhile, in the wide trial involving 21 respondents, the percentage was 86% with very practical criteria, and for teacher responses involving 1 respondent, the proportion was 98% with very practical criteria.

Keywords: *Development, interactive teaching materials, scientific approach, quantities and unit*

