ABSTRAK

Siti Zubaidah, NIM 4191151019 (2023), Pengembangan Ensiklopedia Materi Peralatan di Laboratorium IPA SMP/MTs Sebagai Sumber Belajar di Kelas VII MTsN 2 Medan T.P.2023/2024.

Penelitian ini bertujuan untuk menghasilkan Ensiklopedia materi peralatan di laboratorium IPA di kelas VII MTsN 2 Medan. Subjek dalam penelitian ini adalah peserta didik kelas VII-5 MTsN 2 Medan yang berjumlah 32 orang peserta didik. Jenis penelitian ini merupakan penelitian pengembangan atau *Research and Development* (R&D) yang menggunakan model 4D (*Define-Design-Development-Disseminate*). Instrumen yang digunakan dalam penelitian ini terdiri angket validasi ahli materi, ahli media, ahli desain instruksional, angket respon guru, angket respon peserta didik dan instrument test. Teknik analisis data yang digunakan dalam penelitian ini adalah kuantitatif dan kualitatif. Hasil penelitian menurut para ahli yaitu ahli materi diperoleh persentase rata-rata sebesar 91% dengan kategori sangat layak. Ahli media dan ahli desain instruksional diperoleh persentase rata-rata sebesar 74%, 74% dengan kategori layak. Hasil respon guru dan peserta didik terhadap ensiklopedia diperoleh persentase rata-rata sebesar 98% dan 90,42% dengan kategori sangat layak. Hasil belajar peserta didik diperoleh dengan rata-rata N-*gain score* sebesar 0,649 dengan kriteria sedang. Hal ini menunjukkan bahwa Ensiklopedia efektif dalam meningkatkan hasil belajar.

Kata kunci : Ensiklopedia, Model 4D, Peralatan di Laboratorium IPA

ABSTRACT

Siti Zubaidah, NIM 4191151019 (2023), Development of an Encyclopedia of Equipment Material in the Science Laboratory of SMP/MTs as a Learning Resource in Class VII MTsN 2 Medan T.P. 2023/2024.

This research aims to produce an Encyclopedia of equipment material in the science laboratory in class VII MTsN 2 Medan. The subjects in this research were students in class VII-5 MTsN 2 Medan, totaling 32 student. This type of research is development research or Research and Development (R&D) which uses the 4D model (Define-Design-Development-Disseminate). The instruments used in this research consisted of validation questionnaires for material experts, media experts, instructional design experts, teacher response questionnaires, student response questionnaires and test instrument. The data analysis techniques used in this research are quantitative and qualitative. The research results according to experts, namely material experts, obtained an average percentage of 91% with a very feasible category. Media experts and process design experts obtained an average percentage of 74%, 74% in the feasible category. The results of teachers' and students' responses to the encyclopedia obtained an average percentage of 98% and 90.42% in the very appropriate category. Student learing outcomes were obtained with an average N-gain score of 0.649 with medium criteria. This shows that the Encyclopedia is effective in improving learning outcomes.

Keywords : Encyclopedia, 4D Model, Equipment in the Science Laboratory