ABSTRAK

Khairul Anwar Nasution, NIM 5173122011 (2022). ***Pengembangan Media Pembelajaran Interaktif Mata Pelajaran Teknologi Dasar Otomotif Berbantuan Powtoon Untuk Siswa Kelas X TKR di SMK Swasta Bima Utomo BS Batang Kuis Tahun Ajaran 2021/2022*****. Skripsi. Fakultas Teknik, Universitas Negeri Medan. 2022.**

Penelitian ini bertujuan untuk mengetahui: (1) kelayakan media pembelajaran interaktif berbantuan *powtoon* pada materi *bearing, seal* dan *gasket* (2) efektivitas media pembelajaran interaktif berbantuan *powtoon* pada materi *bearing, seal* dan *gasket*. Penelitian dilaksanakan pada siswa kelas X TKR di SMK Swasta Bima Utomo BS Batang Kuis. Jenis penelitian ini adalah *Research and Development* menggunakan model ADDIE. Hasil penelitian yang diperoleh untuk kelayakan desain tampilan 100%, kebahasaan 95%, pengoperasian media 90%, kelayakan isi 82,14%, penyajian 75%, panduan informasi 100%, konten bahan ajar 84,09%, dan kelayakan media pembelajaran interaktif berbantuan *powtoon* pada materi *bearing, seal* dan *gasket* secara keseluruhan 89% dengan kategori sangat layak. Sampel penelitian uji efektivitas terdiri dari 40 siswa kelas X TKR. Uji efektivitas media pembelajaran interaktif berbantuan *powtoon* pada materi *bearing, seal* dan *gasket* dapat diketahui dengan membandingkan hasil belajar siswa yang diukur dengan *pre-test* diawal proses pembelajaran dan *post-test* diakhir proses pembelajaran dengan menggunakan media pembelajaran yang dikembangkan. Hasil penelitian yang diperoleh untuk uji efektivitas media pembelejaran berbantuan *powtoon* terjadi peningkatan hasil belajar siswa sebesar 76,84%.

Kata kunci : Media pembelajaran, interaktif, *powtoon, bearing, seal, gasket*

ABSTRACT

Khairul Anwar Nasution, ID 5173122011 (2022). ***Development of Interactive Learning Media for Basic Automotive Technology Subjects with Powtoon Assisted for Class X TKR Students at Bima Utomo Private Vocational School BS Batang Kuis Academic Year 2021/2022*****. Thesis. Faculty of Engineering, University of Medan. 2022.**

This study aims to determine: (1) the feasibility of interactive learning media assisted by *powtoon* on bearing, seal and gasket materials (2) the effectiveness of interactive learning media assisted by *powtoon* on bearing, seal and gasket materials. The research was conducted on students of class X TKR at Bima Utomo Private Vocational School BS Batang Kuis. This type of research is Research and Development using the ADDIE model. The results obtained for the feasibility of display design 100%, linguistics 95%, media operation 90%, content feasibility 82.14%, presentation 75%, information guide 100%, teaching material content 84.09%, and the feasibility of assisted interactive learning media. *Powtoon* on bearing, seal and gasket materials overall 89% with a very decent category. The research sample for the effectiveness test consisted of 40 students of class X TKR. Test the effectiveness of interactive learning media assisted by *powtoon* on bearing, seal and gasket materials can be known by comparing student learning outcomes as measured by the pre-test at the beginning of the learning process and the post-test at the end of the learning process using the developed learning media. The results obtained for testing the effectiveness of the *powtoon* assisted learning media there was an increase in student learning outcomes by 76.84%.

Keywords : Learning media, interactive, powtoon, bearing, seal, gasket