

ABSTRAK

DANIEL LEONARD SIMANJUNTAK, 5163111008. Pengembangan Materi Ajar Kontruksi Kontruksi Dan Utilitas Gedung Kelas XI SMK Negeri 5 Medan Berbasis Flipbook Maker. Skripsi. Fakultas Teknik Universitas Negeri Medan. 2023.

Penelitian ini bertujuan untuk: (1) Mengembangkan materi ajar berbasis flipbook maker (2) Untuk menguji kelayakan materi ajar Konstruksi Dan Utilitas Gedung melalui media *FlipBook Maker* bagi siswa di SMK Negeri 5 Medan. Penelitian ini menggunakan metode penelitian pengembangan dengan menggunakan model 4D (Four-D), tahapan yaitu: *Define, Design, Develop, dan Disseminate* yang yang dimodifikasi menjadi model 3D (Theree-D), dengan tahapan yaitu: *Define, Design, Develop*. Dalam proses pengembangan ada beberapa tahapan yang dilalui dimana tahapan tersebut yaitu: (1) *Define* yang meliputi analisis awal-akhir, analisis siswa, analisis tugas, analisis konsep dan spesifikasi tujuan pembelajaran. (2) *Design* meliputi tahap penyusunan tes, pemilihan media, pemilihan format, dan rancangan awal. (3) *Develop* yang meliputi validasi ahli materi dan media. Sedangkan untuk mengetahui kelayakan produk media pembelajaran menggunakan angket penilaian ahli media dan ahli materi. Berdasarkan hasil penelitian diketahui bahwa produk materi ajar kontruksi dan utilitas gedung berbasis flipbook maker yang telah dikembangkan sudah memenuhi kriteria kelayakan dan dapat digunakan dalam pembelajaran. Hal ini sesuai dengan hasil uji kelayakan oleh kedua ahli yaitu ahli materi dan ahli media. Adapun hasil dari ahli materi yaitu meliputi, kelayakan materi dan kelayakan penyajian dimana menghasilkan nilai 3,4 kategori (Cukup Layak). Sedangkan untuk hasil penilaian dari ahli media yaitu meliputi, Aspek kelayakan, kegrafikan yang mana menghasilkan nilai 3,7 termasuk kedalam kategori (Layak).

Kata Kunci: *Materi Ajar, Kontruksi Dan Utilitas Gedung, Flipbook Maker*



ABSTRACT

DANIEL LEONARD SIMANJUNTAK, 5163111008. Development Of Teaching Materials For Construction And Building Utilities For Grade XI Of SMK Negeri 5 Medan Based On Flipbook Maker. Thesis. Faculty Of Engineering, Universitas Negeri Medan. 2023.

This research aims to: (1) Develop teaching materials based on Flipbook Maker, (2) Test the feasibility of Construction and Building Utilities teaching materials through FlipBook Maker media for students at SMK Negeri 5 Medan. This research utilizes the development research method using the 4D (Four-D) model, with the stages being Define, Design, Develop, and Disseminate, which are modified into a 3D (Three-D) model with the stages being Define, Design, and Develop. The development process involves several stages, namely: (1) Define, which includes initial-final analysis, student analysis, task analysis, concept analysis, and learning objective specifications. (2) Design, which includes test preparation, media selection, format selection, and initial design. (3) Develop, which includes validation by content and media experts. To determine the feasibility of the instructional media product, assessment questionnaires are used by media and content experts. Based on the research results, it is known that the developed Construction and Building Utilities teaching materials based on Flipbook Maker meet the feasibility criteria and can be used in learning. This is in line with the feasibility test results by both content and media experts. The results from the content expert include material feasibility and presentation feasibility, resulting in a score of 3.4 in the category of "Sufficiently Feasible". Meanwhile, the assessment results from the media expert include feasibility aspects and graphics, resulting in a score of 3.7, which falls into the category of "Feasible".

Keywords: Teaching Materials, Construction and Building Utilities, Flipbook Maker.

