

**PENGEMBANGAN MEDIA FILM PENDEK MATA KULIAH
PEMELIHARAAN MESIN PENDINGIN/AC DI PRODI PENDIDIKAN
TEKNIK MESIN**

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ABSTRAK

Penelitian pengembangan ini bertujuan untuk (1) mengetahui tahapan pengembangan media film pendek yang akan dikembangkan yaitu pengembangan media film pendek mata kuliah pemeliharaan mesin pendingin/AC, (2) mengetahui kelayakan/validitas produk pengembangan media film pendek pemeliharaan mesin pendingin/AC berdasarkan ahli media dan ahli materi, (3) mengetahui kelayakan/validitas produk pengembangan media film pendek pemeliharaan mesin pendingin/AC terhadap pengguna. Penelitian ini menggunakan jenis penelitian (R&D) *Research and Development dengan Model pengembangan Hannafin & Peck*. Data dalam penelitian ini dikumpulkan dengan metode wawancara dan penyebaran kuesioner. Instrumen yang digunakan dalam pengumpulan data yaitu angket/kuesioner dan dokumentasi. Penelitian ini sudah di validasi meliputi validasi dari para ahli isi/materi, ahli media dan uji coba lapangan yaitu uji coba kelompok kecil dan uji coba kelompok besar. Dari hasil validasi diperoleh: (1) ahli isi/materi memperoleh prosentase 88,67% dengan kriteria sangat layak (2) ahli media memperoleh prosentase 84,67% dengan kriteria sangat layak (3) uji lapangan kelompok kecil memperoleh prosentase sebesar 85% dengan kriteria sangat layak (4) uji coba kelompok besar memperoleh prosentase 91,20%. Jadi berdasarkan analisis validitas ahli isi, ahli media, uji kelompok kecil dan uji kelompok besar tersebut dapat disimpulkan pengembangan media film pendek pada pemeliharaan mesin pendingin/AC sangat layak digunakan sebagai media pembelajaran pada materi mata kuliah pemeliharaan mesin pendingin/AC dan dapat dijadikan pedoman/panduan pada pemeliharaan mesin pendingin/AC bagi pengguna.

Kata Kunci : Film Pendek, Media, Mesin Pendingin/AC, Pengembangan.

**MEDIA DEVELOPMENT SHORT FILM COOLANT/AC
MAINTENANCE COURSES IN MECHANICAL ENGINEERING
EDUCATION PROGRAM**

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ABSTRACT

This development research aims to (1) know the stages of development of short film media to be developed namely the development of short film media courses maintenance cooling machine / AC, (2) knowing the feasibility / validity of the product development of short film media maintenance cooling machine / AC based on media experts and materials experts, (3) knowing the feasibility / validity of the product development of short film media maintenance cooling machine / AC against the user. This research uses this type of research (R&D) Research and Development with Hannafin & Peck development model. The data in this study was collected by interview methods and the dissemination of questionnaires. Instruments used in data collection are questionnaires and documentation. This research has been validated including validation from content/material experts, media experts and field trials namely small group trials and large group trials. From the validation results proleh: (1) content/material experts obtained a percentage of 88.67% with very decent criteria (2) media experts obtained a percentage of 84.67% with very decent criteria (3) small group field tests obtained a percentage of 85% with very decent criteria (4) large group trials obtaining a percentage of 91.20%. So based on the analysis of the validity of content experts, media experts, small group tests and large group tests can be concluded the development of short film media on the maintenance of cooling machine / AC is very feasible to be used as a learning medium on the material of the maintenance of cooling machine / AC and can be used as a guide /guide on the maintenance of cooling machine / AC for users.

Keywords : Short Film, Media, Cooling Machine/AC, Development.