

**PENGEMBANGAN MEDIA PEMBELAJARAN REFRIGERATOR UNTUK
MATA PELAJARAN SISTEM DAN INSTALASI REFRIGERASI DI
JURUSAN TEKNIK PENDINGIN SMK NEGERI 1 DENPASAR**

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ABSTRAK

Penelitian ini bertujuan untuk membuat media pembelajaran *trainer* Refrigerator menjadi : 1) Sebagai sarana penunjang belajar dan pembelajaran pada mata pelajaran System dan Instalasi Refigerasi di Jurusan Teknik Pendingin SMK N 1 Denpasar. 2) Mempermudah dalam memahami cara kerja mesin pendingin (Kulkas). 3) Menambah ilmu pengetahuan terkait dengan system pendingin. Penelitian ini merupakan penelitian *Research and Development* (R&D). Hasil penelitian menunjukkan bahwa media pembelajaran *trainer* Refrigerator menghasilkan media yang layak digunakan pada mata system dan instalasi refrigerasi di kelas XI TP SMK Negeri 1 Denpasar dan mendapat respon baik dari siswa. Hasil uji validasi media persentase hasil yaitu 94,31% kategori sangat layak, persentase ahli materi 81,81% kategori sangat layak, hasil uji coba kelompok kecil di peroleh hasil persentase 91% kategori sangat layak dan hasil uji coba kelompok besar yang merupakan respons dari siswa di peroleh hasil presentase 84,2% kategori sangat baik.

Kata Kunci: pengembangan, media pembelajaran, *trainer* Refrigerator

**DEVELOPMENT OF REFRIGERATOR LEARNING MEDIA FOR
REFRIGERATION SYSTEM AND INSTALLATION COURSES IN THE
DEPARTMENT OF REFRIGERATION ENGINEERING SMK NEGERI 1
DENPASAR**

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ABSTRACT

This study aims to make Refrigerator trainer learning media to be: 1) As a means of supporting learning and learning in the subject of Systems and Refrigeration Installations in the Department of Refrigeration Engineering, SMK N 1 Denpasar. 2) Make it easier to understand how the cooling machine (Refrigerator) works. 3) Adding knowledge related to the cooling system. This research is a Research and Development (R&D) research. The results showed that the Refrigerator trainer learning media produced media that was suitable for use in the eyes of the refrigeration system and installation in class XI TP of SMK Negeri 1 Denpasar and received good responses from students. The results of the media validation test, the percentage of results is 94.31% in the very feasible category, the percentage of material experts in the 81.81% category in the very feasible category, the results of the small group trial, the percentage results are 91% in the very feasible category and the results of the large group trial which is a response from students obtained a percentage of 84.2% in the very good category.

Keywords: *development, learning media, Refrigerator trainer*