

**PENGEMBANGAN MEDIA PEMBELAJARAN *TRAINER* AC
SPLIT INVERTER PADA MATA PELAJARAN TEKNIK
PENDINGIN DI SMKN 3 SINGARAJA**

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ABSTRAK

Belum tersedianya media pembelajaran *trainer* AC *split* dengan teknologi *inverter* pada materi teknik pendingin di SMK Negeri 3 Singaraja membuat siswa kesulitan dalam memahami sistem kerja AC dalam pembelajaran. Penelitian ini bertujuan untuk menguji proses rancang bangun, uji kelayakan dan uji kepraktisan media *trainer* AC *Split* dengan teknologi *inverter*. Metode pengumpulan data menggunakan kuesioner dan dianalisis dengan rumus persentase. Hasil analisis data menunjukkan bahwa hasil uji validitas isi instrumen berada pada kategori koefisien sangat tinggi. Hasil uji kelayakan menunjukkan kategori sangat layak pada uji desain dan uji manufaktur. Hasil uji kepraktisan menunjukkan kategori praktis pada uji kelompok kecil dan uji kelompok besar. Di akhir penelitian media *trainer* AC *split* dengan teknologi *inverter* ini dapat sangat layak dan praktis digunakan pada materi teknik pendingin di SMK Negeri 3 Singaraja.

Kata kunci: Media Pembelajaran, *Trainer* AC *Split*, Teknologi *Inverter*.

***DEVELOPMENT OF A SPLIT INVERTER AC TRAINING
MEDIA FOR THE REFRIGERATION ENGINEERING SUBJECT
AT SMKN 3 SINGARAJA***

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ABSTRACT

The unavailability of a learning media in the form of a Split AC trainer with inverter technology in the refrigeration engineering subject at SMK Negeri 3 Singaraja has made it difficult for students to understand the working system of air conditioners during lessons. This study aims to evaluate the design and development process, feasibility testing, and practicality testing of the Split AC trainer with inverter technology as a learning media. Data collection was conducted using questionnaires and analyzed using percentage formulas. The data analysis results show that the instrument content validity test falls under the very high coefficient category. The feasibility test results indicate that the design and manufacturing tests are in the "highly feasible" category. The practicality test results show that the media falls into the "practical" category based on small group and large group tests. At the end of the study, the Split AC trainer media with inverter technology was found to be highly feasible and practical for use in the refrigeration engineering subject at SMK Negeri 3 Singaraja.

Keywords: Learning Media, Trainer Split AC, Inverter Technology