

**DESIGN OF LIGHTING INSTALLATION TRAINER AS A MEDIUM FOR
DEVELOPING ELECTRICAL INSTALLATION CLASS XI TITL
SMK TR SINAR HUSNI**

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ABSTRACT

This study aims to determine; (1) Knowing the process of developing learning media for electric lighting installation trainers using the R&D development model. (2) Knowing the results of validity (feasibility) of learning media for electric lighting installation trainers. The type of research used is research and development (Research & Development). The procedure for making this media includes; 1) Potential and Problems, 2) Data Collection, 3) Product Design, 4) Media Validation, 5) Trainer Product Revision. The validity test of the trainer was carried out by 4 expert lecturers and teachers, namely 2 material experts and 2 media experts. The validation results obtained are material validation 1 with a percentage of 78.75%, material validation 2 with a percentage of 81.25%. The results of media expert validation 1 with a percentage of 73.75%, media expert validation 2 with a percentage of 85%. The average validation results of material experts with a percentage of **80% (very feasible)**, media experts with a percentage of **79.37% (very feasible)**. So it can be concluded that the electrical lighting installation trainer developed is valid (feasible) to be used in electrical lighting installation subjects at SMK TR Sinar Husni.

Keywords : *Development, Media Trainer, Electrical Lighting Installation*

**PERANCANGAN TRAINER INSTALASI PENERANGAN SEBAGAI MEDIA
PENGEMBANGAN INSTALASI LISTRIK KELAS XI TITL
SMK TR SINAR HUSNI**

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui; (1) Mengetahui proses pengembangan media pembelajaran *trainer* instalasi penerangan listrik menggunakan model pengembangan R&D. (2) Mengetahui hasil validitas (kelayakan) media pembelajaran *trainer* instalasi penerangan listrik. Jenis penelitian yang digunakan adalah penelitian dan pengembangan (*Research & Development*). Prosedur pembuatan media ini meliputi ; 1) Potensi dan Masalah, 2) Pengumpulan Data, 3) Desain Produk, 4) Validasi Media, 5) Revisi Produk Trainer. Adapun uji validitas *trainer* dilakukan oleh 4 orang ahli Dosen dan Guru, yaitu 2 ahli materi dan 2 ahli media. Hasil validasi yang diperoleh yaitu validasi materi 1 dengan persentase 78,75 %, validasi materi 2 dengan persentase 81,25 %. Adapun hasil validasi ahli media 1 dengan persentase 73,75 %, validasi ahli media 2 dengan persentase 85 %. Rata rata hasil validasi ahli materi dengan persentase **80% (Sangat Layak)**, ahli media dengan persentase **79,37% (Sangat Layak)**. Maka dapat disimpulkan bahwa *trainer* instalasi penerangan listrik yang dikembangkan valid (layak) digunakan pada mata pelajaran instalasi penerangan listrik di SMK TR Sinar Husni.

Kata Kunci : Pengembangan, Media Trainer, Instalasi Penerangan Listrik