

ABSTRAK

Maya Lestari: *Efektivitas Penerapan Multimedia Interaktif Model Hybrid Pada Mata Pelajaran Instalasi Penerangan Listrik Kelas XI TITL SMK N 1 Percut Sei Tuan*. Skripsi. Fakultas Teknik Universitas Negeri Medan. 2022.

Penyampaian materi pelajaran Instalasi Penerangan Listrik dilakukan oleh guru SMK N 1 Percut Sei Tuan dengan menggunakan media papan tulis dan sesekali menggunakan *powerpoint*. Pembelajaran berjalan kurang efektif dikarenakan penyampaian yang monoton dan guru lebih dominan dalam kegiatan belajar. Oleh karena itu dibutuhkan media pembelajaran untuk dapat meningkatkan hasil belajar pada siswa kelas XI SMK N 1 Percut Sei Tuan. Penelitian ini bertujuan Untuk mengetahui efektivitas penerapan multimedia interaktif model *hybrid* pada mata pelajaran instalasi penerangan listrik apabila dibandingkan dengan multimedia *powerpoint* di SMK N 1 Percut Sei Tuan.

Metode penelitian yang digunakan dalam penelitian ini adalah metode penelitian *quasy eksperimen* dengan sampel penelitiannya adalah kelas XI TITL 1 dan XI TITL 2 SMK N 1 Percut Sei Tuan. Adapun desain penelitian yang digunakan adalah *pretest-posttest control group design*. Analisis data dilakukan dengan analisis deskriptif dan uji *Independent sample t test*. Uji efektivitas dilakukan untuk mengukur perbedaan efektivitas multimedia interaktif model *hybrid* dan multimedia *powerpoint* berdasarkan kriteria hasil belajarnya.

Hasil penelitian menunjukkan: (1) hasil belajar kelas multimedia interaktif model *hybrid* ($mean = 86,48$; $g = 0,64$) lebih tinggi dibandingkan hasil belajar kelas multimedia *powerpoint* ($mean = 72,91$; $g = 0,29$). (2) Efektivitas penerapan multimedia interaktif model *hybrid* (94,28%) dikategorikan lebih tinggi dibandingkan dengan penerapan multimedia *powerpoint* (33,33%). Berdasarkan hasil uji *t* dari nilai rata-rata *posttest* diperoleh $t_{hitung} > t_{tabel}$ ($6,593 > 1,996$), serta nilai *signifikansi* (P) adalah $0.00008 < \alpha$ (0.05), dengan demikian H_0 ditolak dan H_a diterima. Ini membuktikan bahwa multimedia interaktif model *hybrid* efektif untuk meningkatkan hasil belajar siswa pada mata pelajaran Instalasi Penerangan Listrik Kelas XI SMK N 1 Percut Sei Tuan.

Kata kunci : Efektivitas, Multimedia interaktif model *hybrid*, multimedia *powerpoint*.

ABSTRACT

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The delivery of the subject matter for the Electrical Lighting Installation was carried out by the teachers of SMK N 1 Percut Sei Tuan using whiteboard media and occasionally using powerpoint. Less effective learning is due to monotonous delivery and the teacher is more dominant in learning activities. Therefore, learning media is needed to be able to improve learning outcomes in class XI students of SMK N 1 Percut Sei Tuan. This study aims to determine the effectiveness of the application of interactive multimedia hybrid model in electric lighting installation subjects when compared to multimedia powerpoint at SMK N 1 Percut Sei Tuan.

The research method used in this study is a quasi-experimental research method with the research sample being class XI TITL 1 and XI TITL 2 SMK N 1 Percut Sei Tuan. The research design used was a pretest-posttest control group design. Data analysis was done by descriptive analysis and Independent sample t test. The effectiveness test was conducted to measure the differences in the effectiveness of the hybrid interactive multimedia model and the multimedia powerpoint model based on the learning outcomes criteria.

The results showed: (1) the learning outcomes of the hybrid interactive multimedia class (mean = 86.48; $g = 0.64$) were higher than the learning outcomes of the multimedia powerpoint class (mean = 72.91; $g = 0.29$). (2) The effectiveness of the implementation of interactive multimedia hybrid model (94,28%) is categorized as higher than the application of multimedia powerpoint (33.33%). Based on the results of the t-test of the posttest average value obtained $> (6.593 > 1.996)$, and the significance value (P) is $0.00008 < (0.05)$, thus H_0 is rejected and H_a is accepted. This proves that the interactive multimedia hybrid model is effective for improving student learning outcomes in the subject of Electrical Lighting Installation Class XI SMK N 1 Percut Sei Tuan.

Keywords: Effectiveness, interactive multimedia *hybrid* model, multimedia *powerpoint*.

