

MODEL OF COMPETENCY ASSESSMENT ON ELECTRICAL INSTALLATION SKILL

Djoko Laras BT., Basrowi.
State University of Yogyakarta
djoko_laras@yahoo.com

ABSTRACT

This study aims to: (1) acquire skills competency assessment models used to test the competence and external certification for vocational students include the construct and its characteristics, and (2) analyze the results of the application of the model. This study refers to the model of Research & Development Borg & Gall. Subjects were students, teachers and assessors. Testing models include content validity, construct, reliability, feasibility, and effectiveness. The results of this study are: (1) obtained competency assessment models PRATUWA skill to external competency test and certification program for vocational students Installing Electric Power Engineering skill that has: (a) the construct of competency assessment instruments dimensional domains of cognitive, affective, and psychomotor (b) characteristics of the model include: (i) integrated assessment method of performance assessment, write (paper pencil), and interviews (PRATUWA), (ii) the determination of the assessment results obtained from the joint assessment of performance and writing, the results of interviews as part of determining competent or not yet competent, and there is a chance objection, and (2) model of assessment has qualified the validity, reliability, feasibility, and effectiveness based on teacher assessment, the industry, and empirical assessment.

Keywords: competency assessment, assessment methods, external certification.

MODEL ASESMEN KOMPETENSI KEAHLIAN PADA KOMPETENSI INSTALASI LISTRIK

Djoko Laras BT., Basrowi.
Universitas Negeri Yogyakarta
djoko_laras@yahoo.com

Abstrak

Penelitian ini bertujuan: (1) mendapatkan model asesmen kompetensi keahlian yang digunakan pada uji kompetensi dan sertifikasi eksternal bagi siswa SMK meliputi konstruk dan karakteristiknya; dan (2) menganalisis hasil penerapan model. Penelitian ini mengacu pada model *Research & Development* Borg & Gall. Subjek penelitian adalah siswa, guru, dan asesor. Pengujian model meliputi uji validitas isi, konstruk, reliabilitas, keterlaksanaan, dan efektivitas. Hasil penelitian ini adalah: (1) didapatkan model asesmen kompetensi keahlian PRATUWA untuk uji kompetensi dan sertifikasi eksternal bagi siswa SMK program keahlian Teknik Instalasi Tenaga Listrik yang memiliki: (a) konstruk instrumen asesmen kompetensi berdimensi domain kognitif, afektif, dan psikomotorik (b) karakteristik model diantaranya: (i) metode asesmennya terintegrasi dari asesmen unjuk kerja, asesmen tulis, dan wawancara (PRATUWA), (ii) penetapan hasil asesmen diperoleh dari gabungan asesmen unjuk kerja dan tulis, hasil wawancara sebagai bagian penentu kompeten atau belum kompeten, dan ada kesempatan sanggah; dan (2) model asesmen telah memenuhi syarat validitas, reliabilitas, keterlaksanaan, dan efektivitasnya berdasarkan penilaian guru, pihak industri, dan penilaian secara empirik.

Kata kunci: asesmen kompetensi, metode asesmen, sertifikasi eksternal.