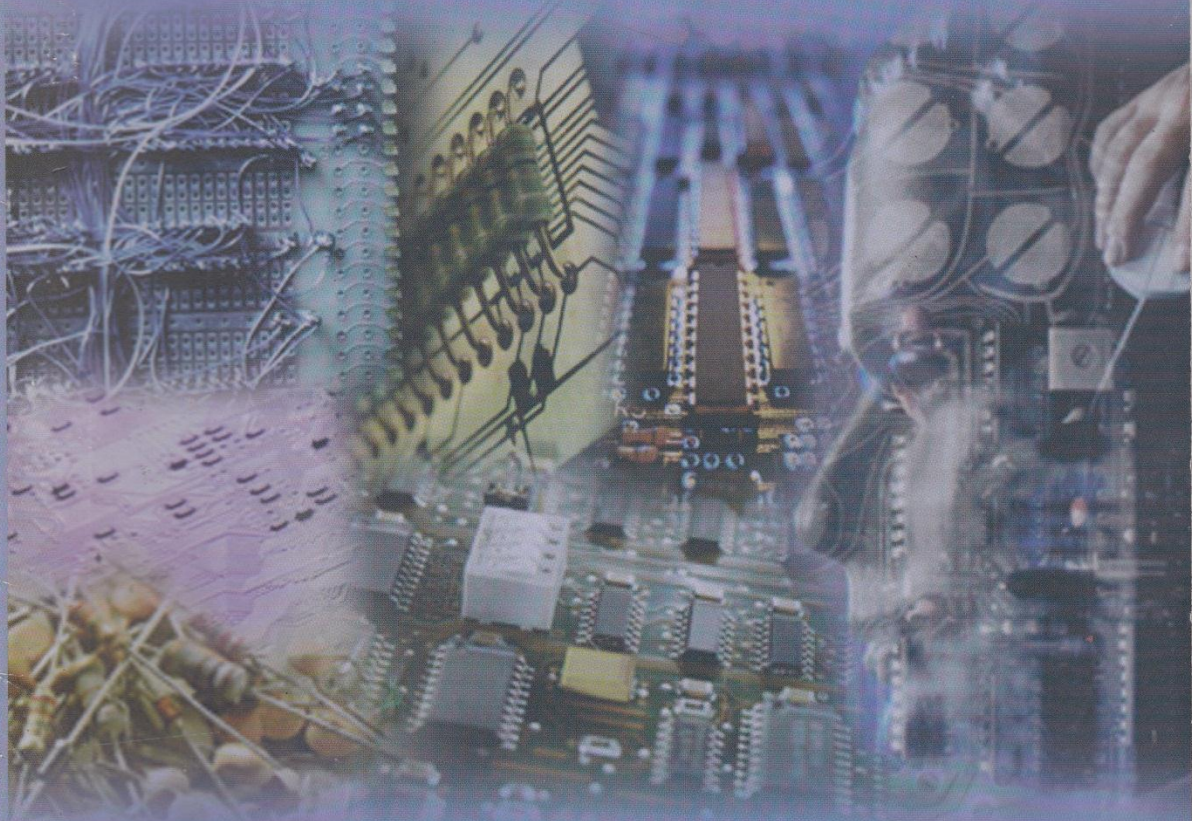


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DAFTAR ISI

Peningkatan Kualitas Kerjasama Jurusan Pendidikan Teknik Elektro FT UNY dengan SMK <i>Hartoyo, Edy Supriyadi (Universitas Negeri Yogyakarta)</i>	71 - 79
Pengembangan dan Implementasi Sistem E-Learning untuk Meningkatkan Kualitas Pembelajaran di Jurusan Pendidikan Teknik Elektro FT UNY <i>Muhamad Ali, Ariadie Chandra Nugraha, KI Ismara (Universitas Negeri Yogyakarta)</i>	80 - 86
Evaluasi Pembelajaran Program Produktif dalam Implementasi Kurikulum Berbasis Kompetensi <i>Istanto W. Djatmiko, Marwanti (Universitas Negeri Yogyakarta)</i>	87 - 93
Hazardous In Automation Industry <i>KI Ismara (Universitas Negeri Yogyakarta)</i>	94 - 101
Upaya Peningkatan Prestasi Belajar dan Kompetensi Mahasiswa Mata Kuliah Perencanaan Instalasi Listrik melalui Pembelajaran Model <i>Experience-Based Carrier Education(EBCE)</i> <i>Zamtinah, Djoko Laras BT (Universitas Negeri Yogyakarta)</i>	102 - 114
Peranan Teknologi Informasi dalam Sistem Pembelajaran di Jurusan Pendidikan Teknik Elektro Fakultas Teknik UNY <i>Nurhening Yuniarti, Muhamad Ali (Universitas Negeri Yogyakarta)</i>	115 - 119
Penilaian Kelas sebagai Mekanisme Umpan Balik untuk Meningkatkan Mutu Pembelajaran <i>Edy Supriyadi (Universitas Negeri Yogyakarta)</i>	120 - 129
Pembelajaran Sistem Modulasi Berbantuan Simulasi Komputer Berbasis LabVIEW <i>Sigit Yatmono (Universitas Negeri Yogyakarta)</i>	130 - 140

**UPAYA PENINGKATAN PRESTASI BELAJAR DAN
KOMPETENSI MAHASISWA MATA KULIAH PERENCANAAN
INSTALASI LISTRIK MELALUI PEMBELAJARAN MODEL
EXPERIENCE-BASED CARRIER EDUCATION(EBCE)**

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Abstract: This research is aimed to develop the learning model which is suitable for competency based curriculum implementation, that is the experience based career education (EBCE), to know student's behavior and learning effectivity model EBCE is look from achievement and competence that has reached by students, and obstacle of learning implementation model. This research represent of Research and Development which developed by Borg & Gall. Subject research is student of electrical engineering taking subject of electrical design at semester 5 in 2006 in Technical Study Program Of Electrical D3; Technical Faculty of Yogyakarta State University. This research is consisted of pre-research, implementation and evaluation. Research evaluated from two place, that is laboratory of computer and data communication of technical of technical education of engineering FT UNY, and industry as Community Resources/ Resources Person & Resources Organization. The result of research give the image that study model the EBCE will give the result which significant if is done proportional is evaluated from learning process duration. This research is time comparison between learning process campus and industry is 3:1 or learning process campus 12 times look in the face and in industry 4 times look in the face, with the assumption that after given the basic knowledge enough in area of electrical design, student will ready to degraded in industry as Community Resources. Student behavior to EBCE learning model, 60% expressing goodness and 40% expressing enough. Meanwhile seen from its effectivity, student following study model the EBCE achievement and its competence is better (23% pass and competence) compared to which not follow the EBCE (14% expressed to pass and competence) as for execution obstacle model the EBCE is: attitude student less support (the ethos work, discipline, less self confidence); very short time, student basic ability still low.

Kata kunci: Kompetensi, Experience-Based Career Education (EBCE).

Proses belajar mengajar yang dilaksanakan di kelas maupun di laboratorium, bengkel, dan studio mempunyai tujuan utama mengalihkan kemampuan milik pendidik kepada mahasiswa sehingga kemampuan atau kompetensi itu benar-benar menjadi milik mahasiswa. Cara atau model untuk melaksanakan alih kemampuan ini bermacam-macam, namun maksudnya sama yaitu agar mahasiswa berhasil memiliki kompetensi sesuai dengan patokan yang telah ditetapkan.