

Pengembangan Model Running Maintenance Pada Proses Pemesinan di Jurusan Mesin SMK Rumpun Teknologi se – DIY

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ABSTRAK

Tujuan penelitian ini adalah untuk mendapatkan model pembelajaran praktik pemesinan dengan muatan running maintenance beserta pedoman pelaksanaannya di di Jurusan Mesin SMK Rumpun Teknologi se – DIY..

Metode penelitian yang digunakan adalah penelitian dan pengembangan (Research and Development) yang dikembangkan oleh Borg & Gall (1989). Tahap pertama penelitian melakukan riset pendahuluan guna mendapatkan model running maintenance beserta pola pelaksanaannya. Tahap kedua melakukan penerapan model running maintenance dan panduan pelaksanaannya di bengkel kerja praktik pemesinan. Sebagai populasi dan sampel dalam penelitian ini adalah siswa Jurusan teknik mesin SMKN 2 Pengasih, SMKN 2 Wonosari, SMKN 2 Depok, SMKN 2 Yogyakarta, SMKN2 Sedayu, dan SMK Muhammadiyah Prambanan. Data tentang model running maintenance diambil dengan menggunakan metode angket, data intensitas pendampingan dan kelayakan mesin diambil dengan observasi. Data hasil riset untuk mendapatkan informasi pelaksanaan maintenance di SMK se DIY dilakukan dengan menggunakan pendekatan kualitatif model Taylor - Powell (2003: 2-7) dan pendekatan deskriptif kuantitatif..

Hasil penelitian pada tahap pertama didapatkan model rencana pelaksanaan pembelajaran bermuatan running maintenance yang dapat digunakan pada praktik pemesinan. Aspek running maintenance tersebut meliputi tiga kegiatan utama yaitu pemeriksaan (Inspection), penyelarasan komponen (Alignment), dan penyetelan (Adjustment). Model ini sifatnya model analisis artinya belum teruji di lapangan, rencana implementasinya akan dilaksanakan pada tahap dua.

Kata kunci: pembelajaran praktik, running maintenance

Development of Running Maintenance Model On Machining Processes at the Department of Machine SMK clumps of technology in- DIY

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ABSTRACT

The purpose of this research is to obtain a model of practice learning machining with running maintenance program along with guidelines on its implementation in the Department of Engineering Technology as vocational Clumps in DIY.

The research method used is a Research and Development by Borg and Gall (1989). The first phase of the study conduct preliminary research in order to get the model running maintenance and its implementation patterns. The second phase model implementations running maintenance and implementation guidance in practical machining workshop. As populations and samples in this study were undergraduate engineering Department SMKN 2 Pengasih, SMKN 2 Wonosari, SMKN 2 Depok, SMKN 2 Yogyakarta, SMKN2 Sedayu, and SMK Muhammadiyah Prambanan. Data about models running maintenance is taken by using the questionnaire method, the intensity of mentoring and machine appropriateness of data taken by the observation. Research data to obtain information on the implementation of maintenance is done by using a qualitative approach models Taylor - Powell (2003: 2-7) and quantitative descriptive approach.

The results obtained in the first stage of lesson plan model of running maintenance can be used in practical machining. Aspects of running maintenance covers three main activities namely inspection, coordination of components (Alignment), and adjustment. This model means that its analysis model untested in the field, the implementation plan will be implemented at the second phase.

Keywords: instructional practices, running maintenance