SKRIPSI
SISTEM PAKAR DETEKSI DAN SOLUSI KERUSAKAN MESIN SHOWCASE MENGGUNAKAN METODE FORWARD CHAINING DI CV BERKAH MAKMUR SENTOSA

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ABSTRAK

Saat memperbaiki mesin Showcase terkadang seorang teknisi ahli atau senior adalah seorang dianggap paling mengerti dan berpengalaman, sehingga para teknisi baru yang mengalami kendala saat melakukan perbaikan Showcase yang dikerjakan akan bertanya kepada teknisi ahli atau senior. Oleh karena itu dibutuhkan sebuah sistem cerdas berbasis komputer (sistem pakar) yang dapat membantu, mempermudah dan mempercepat kinerja seorang teknisi dalam pengerjaan kerusakan showcase.

Metode penelitian yang digunakan dalam sistem pakar deteksi dan solusi kerusakan mesin showcase adalah Research and Development (R&D) pada penelitian ini hanya sampai tahap implementasi produk. Keenam langkah tersebut adalah Research and information collecting, Planning, Develop preliminary form of product, Preliminary field testing, Main product revision dan Main Field Testing.

Metode Forward Chaining untuk melakukan proses diagnosa kerusakan yaitu dengan memasukkan beberapa kriteria kerusakan. Aplikasi ini menggunakan pemrograman Microsoft Visual Basic.Net14 dan database menggunakan Microsoft Access 2016.

Kata Kunci : Sistem Pakar Deteksi dan Solusi Kerusakan Mesin Showcase, Forward Chaining, Research and Developmnt (R & D)

EXPERT SYSTEM DETECTION AND DAMAGE SOLUTIONS SHOWCASE MACHINE USING FORWARD CHAINING METHOD IN CV BERKAH MAKMUR SENTOSA

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ABSTRACT

When repairing a Showcase machine sometimes an expert or senior technician is considered the most understood and experienced, so new technicians who experience difficulties while performing a repair of a performed Showcase will ask an expert or senior technician. Therefore we need a computer-based intelligent system (expert system) that can help, simplify and speed up the performance of a technician in the work of damage showcase.

The research method used in expert detection system and showcase machine damage solution is Research and Development (R & D) in this research only until product implementation stage. The six steps are Research and information collecting, Planning, Develop preliminary form of product, Preliminary field testing, Main product revision and Main Field Testing.

Forward Chaining Method to perform the process of diagnosing the damage is to include some criteria of damage. This application uses Microsoft Visual Basic.Net14 and database programming using Microsoft Access 2016.

Keyword : Expert System Detection and Damage Solution Machine Showcase, Forward Chaining, Research and Development (R & D)