

Perancangan Sistem Informasi Untuk Monitoring Produksi Pompa Air PT PMI = Information System Design For Water Pump Production Monitoring

Ivonny Aqiila Filza Adinda, author

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Abstrak

Penelitian ini bertujuan untuk mempercepat proses pelaporan hasil produksi dengan mengimplementasikan sistem informasi monitoring proses produksi dalam pencatatan hasil produksi sehingga dapat memenuhi faktor akurasi, integrasi, dan real time. Data diambil dari salah satu perusahaan elektronik di Indonesia dengan cara observasi dan wawancara. Berdasarkan hasil penelitian ini, didapatkan rancangan 1 Entity Relationship Diagram, 1 tabel Relational Database, 4 Use Case Diagram, 11 Data Flow Diagram, dan 4 Activity Diagram untuk 4 skenario dalam pengembangan kerangka dari sistem informasi monitoring produksi pompa air. Sistem informasi yang dirancang dapat mencapai 3 tahap pengembangan teknologi pada transformasi digital proses pelaporan produksi, yaitu digitalisasi, integrasi data, dan otomatisasi proses.This study aims to expedite the process of reporting production results by implementing an information system monitoring the production process in recording production results so that it can meet the accuracy, integration, and real time factors. The data was taken from an electronics company in Indonesia by means of observation and interviews. Based on the results of this study, it was obtained the design of 1 Entity Relationship Diagram, 1 Relational Database table, 4 Use Case Diagrams, 11 Data Flow Diagrams, and 4 Activity Diagrams for 4 scenarios in developing the framework of an information system monitoring water pump production. The designed information system can achieve 3 stages of technology development in the digital transformation of the production reporting process, namely digitization, data integration, and process automation.