

ABSTRAK

Nama : Achmad Sulaeman
Nama Pembimbing : Mega Bagus H, ST, MT, Ph. D
Program Studi : Teknik Industri
Judul : *Business Process Reengineering (BPR) Untuk Mempercepat Implementasi Sistem Enterprise Resource Planning (ERP) Dijaringan PT.XYZ*

Tugas Akhir ini membahas langkah-langkah perbaikan bisnis proses menggunakan kerangka kerja *Business Process Reengineering (BPR)*. Bisnis proses yang dijadikan objek pengamatan ini pada bisnis proses persiapan material (*Production Supply*). Kondisi perusahaan PT.XYZ dalam proses pemenuhan kebutuhan material pada proses produksi, yaitu terlalu rumitnya sistem yang digunakan perusahaan saat ini untuk melayani kebutuhan material pada proses produksi menimbulkan waktu tunggu pada proses produksi. Ketidaksiharian jenis material yang dipesan sesuai *bill of material (BOM)* membuat tim produksi harus mengembalikan material tersebut dan menunggu kembali untuk dikirimkan ulang. Hasil dari pengamatan ini adalah sebuah solusi menyeluruh untuk melakukan BPR pada empat komponen yaitu *Master Requirement Planning (MRP)*, *Purchasing Business Process, Finance & Accounting (FI/CO)*, dan *Point of Sale (POS)*. Hasil penelitian menunjukkan efisiensi kerja dengan terjadinya pengurangan waktu tunggu sebesar 26.16 jam, peningkatan output produksi sebesar 50.970 dan penurunan biaya produksi sebesar Rp 32.366.065,-. Sehingga metode BPR ini dapat mempercepat implementasi sistem *Enterprise Resources Planning (ERP)* di PT XYZ dengan meminimalisir pemborosan dan kesenjangan (*gap*) pada bisnis proses *Production Supply* dengan menghilangkan fungsi operasional yang tidak tepat, memperjelas tugas dan tanggung jawab pada tiap-tiap department.

Kata Kunci : *Business Process Reengineering, Production Supply, Enterprise Resources Planning*

ABSTRACT

Name : Achmad Sulaeman
Name of Mentor : Mega Bagus H, ST, MT, Ph. D
Study Program : Industrial Engineering
Title : Business Process Reengineering (BPR) To Accelerate Implementation of Enterprise Resource Planning (ERP) Systems in the PT.XYZ Network

The focus of this study is to conduct the steps of business process improvement using the Business Process Reengineering (BPR) framework. The business process that is used as the object of this observation is in the business process of material preparation (Production Supply). The condition of the company PT.XYZ in the process of meeting material needs in the production process, which is too complicated a system that is currently used by the company to serve material needs in the production process, causes waiting times in the production process. The mismatch of the type of material ordered according to the bill of material (BOM) makes the production team have to return the material and wait for it to be re-sent. The result of this observation is a comprehensive solution for conducting BPR on four components, namely Master Requirement Planning (MRP), Purchasing Business Process, Finance & Accounting (FI/CO), and Point of Sale (POS). The results showed work efficiency with a reduction in waiting time of 26.16 hours, an increase in production output of 50,970 and a decrease in production costs of Rp. 32,366,065, -. So that this BPR method can accelerate the implementation of the Enterprise Resources Planning (ERP) system at PT XYZ by minimizing waste and gaps in the Production Supply business process by eliminating inappropriate operational functions, clarifying the duties and responsibilities of each department.

Keywords : *Business Process Reengineering, Production Supply, Enterprise Resources Planning*