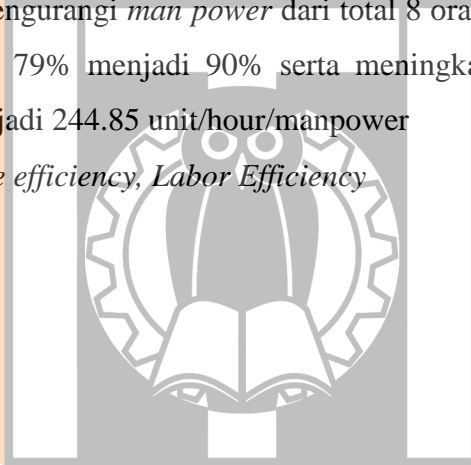


## ABSTRAK

Nama : Muhammad Reza Qasmal  
Program Studi : Teknik Industri  
Judul : Penerapan Metode Line Balancing Untuk Meningkatkan Produktivitas Line Produksi Sabun Bayi di PT XYZ

PT XYZ yang berlokasi di Cikande merupakan salah satu industri yang bergerak di bidang kosmetik. Perusahaan ini memproduksi berbagai macam kosmetik mulai dari *skin care*, *hair care*, hingga produk dekoratif. Perusahaan memiliki target melakukan 2 kegiatan improvement demi meningkatkan efektifitas serta efisiensi pada proses produksi sehingga dapat meningkatkan produktivitas perusahaan. Tujuan penelitian adalah untuk melakukan improvement di bagian produksi di PT. XYZ dengan pendekatan *line balancing*. Berdasarkan hasil analisis didapatkan rekomendasi perbaikan untuk mengurangi *man power* dari total 8 orang menjadi 7 orang dengan peningkatan *line efficiency* dari 79% menjadi 90% serta meningkatkan *labor efficiency* dari 214.25 unit/hour/manpower menjadi 244.85 unit/hour/manpower

Kata Kunci: *Line balancing, Line efficiency, Labor Efficiency*



## ABSTRACT

Name : Muhammad Reza Qasmal  
Study Program : Industrial Engineering  
Title : Implementation of Line Balancing Methode to Increase Productivity for Production Line of Baby Wash at XYZ Company Ltd,

XYZ Company Ltd that located at Cikande is one of the many industries that produce in cosmetics section. This company produces many variant of cosmetics such as skin care, hair care, and decorative products. This company has target to do 2 improvement activities to increase the efectivity and efficiency in production process to make the company can increase the productivity of their production line. The purpose of this research to do the improvement in production section in the XYZ Company with the method of Line Balancing. Based on the analysis results, the recommendation of improvement to reduce man power from 8 man power become 8 man power with the increase of line efficiency from 79% become 90% also increase the labor efficiency from 214.25 unit/hour/manpower become 244.85 unit/hour/manpower

Key Words: *Line balancing, Line efficiency, Labor Efficiency*

