

**MINIMIZING VALUABLE SCRAP IN TRANSPARENT SOAP
CUTTING PROCESS TO INCREASE PRODUCTIVITY**

By

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

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The growth of the cosmetics industry in Indonesia is increasing year by year. This is proven by the high market demand. Many cosmetic companies are competing to create more quality cosmetic products at affordable prices. One of them is PT XYZ.

This company will be used as thesis research based on the case study especially in the transparent soap production process. The purpose of this thesis is to identify the problem that occur in the production. The problem is PT XYZ has not been able to achieve production loss with the target below 6%. This research will find out which process has the largest number of losses both in terms of defect, valuable scrap, and not valuable scrap. The research methodology of this thesis project is based on the root cause analysis. The analysis used is 5-whys. After analysis, there is an improvement step by standardizing the mold length and mold cover so that it can reduce the production loss. As a result, when production loss can be minimized, PT XYZ can save lots of cost.

Keywords: Root Cause Analysis, Production Loss, 7 Basic Tools of Quality, Standardization



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DEDICATION

*I dedicate this thesis to God, my strength,
to my beloved parents, sister, and friends.
And last but not least, for my future.*



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First of all, I thank my Almighty God who has given His bless for finishing this thesis entitled “Minimizing Valuable Scrap in Transparent Soap Cutting Process to Increase Productivity”. Because of His strength, I can do this thesis on time.

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