ABSTRACT

PROPOSED INCREASE IN PRODUCT QUALITY CONTROL WITH A FORMAL SHIRT USING SIX SIGMA METHOD IN PT. DEWHIRST MENSWEAR

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In situations of an increasingly competitive global competition, product quality issues become a central issue for every company. Company's ability to provide quality products that will be a weapon to win the competition, because by providing quality products that consumer satisfaction is achieved. Therefore attention to a quality product can give positive impact to the company itself, this condition requires that a company should treat all resources in the optimal and conduct intensive improvements to the existing system work effectively and efficiently.

The research was conducted at PT. Dewhisrt Menswear. Issues raised in this study is to improve product quality shirt for the still high level of disability in the production of shirts, where pengkontrolan quality is still emphasized in the final product is done manually and not equipped with a method of managing quality, so it needs to be a method that can used for process control and product quality

This study uses six sigma method that aims to identify all types of existing defects in the product's shirt, looking for the cause of the disability that occurs in the product's shirt. And can be used as a measure of performance that enables industrial systems to improve the quality superb with setrategi an actual breakthrough. Stages of the implementation of six sigma is define, measure, analyze, improve and control (DMAIC) at the end of the task is done four of the five stages in the six sigma method is define, measure, analyze and Improve.

From research conducted at PT. Dewhisrt Menswear using Six Sigma methods can be known DPMO lowest process is August 2010 with DPMO sigma levels for 6897 with 4. After analyzing the causes of defects using a fishbone which consists of factors machines, materials, methods, people and a question by using the 5W +1 H then the proposed improvements to the company expected the company to find out the cause of disability and able to take remedial action the better.

Keywords: six sigma, defects per million opportunities (DPMO), fishbone, 5W + 1 H.