THE APPLICATION OF APPROACH LEAN SIX SIGMA TO IMPROVE THE QUALITY OF CAKE MALKIST IN PT.X

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ABSTRAK

Improved market snacks and also increase the level of public consumption make snacks sales some companies in the country increased further. It makes PT.X must increase efficiency food production to more competitive in global markets especially for discharging resources exist. Criteria the production efficiency closely related to the extravagance occurring in any the production process. The amount of extravagance happens to be causing disruption of physical activity and the flow of information would then impact on high operational cost and timing fulfillment of consumer demand and product quality was in conformity with expectation consumers. Because of that required a approach to eliminate waste happened and doing quality improvements by using approach six sigma.

This research aims to find a solution that can reduce the number of defects Malkist cake going, lowering the amount of waste that occurs in the production and improve the performance of the quality of the cake Malkist. Using Lean Six Sigma methodologies namely DMAIC (Define, Measure, Analyze, Improve and Control). In the Define was done using Value Stream waste identification Analysis Tools (VALSAT).

In this research PT.X the performance of producing cake obtained performance with the level of sigma Malkist 4.35 sigma improvement is before, this is where the value in international industry performance standards. Often occurring in the area waste is waste production that often happens is Defect (22.75%), Transportation (20.68%) and Waiting (13.10%). The main cause the problem of the quality of the cake is charred and many there are waiting in process (WIP) that having no value added for the product. Value added ratio (VAR) before improvement is 7.67% with a total improvement of the whole process of 376.75 minutes while after the application of the improvement of the value of VAR increased by 252.73% and 332.25 minutes with a total of the whole process.

Keywords: Lean Six Sigma, Valsat, Waste, Malkist