

## **Usulan Penerapan Six Sigma untuk mengurangi Cacat Appearance dan tingkat Pengerjaan Ulang Produk Pakaian Jadi di PT. X**

Erlinda Muslim, author

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### **Abstrak**

Six Sigma is a quality target of -3,4 Defect Per Million Opportunities- that allows quality characteristic being measured by perspective of total? defects compare to the total' opportunities of defect to occur. Six Sigma quality improvement methodology is coiled Six Sigma Improvement Framework which consist of 5 phases DMAIC (Define, Measure, Analyze, Improve, and Control. Sir Sigma focused on customer and oriented to the process which affect the final quality characteristic required on a product. This research analyzed the implementation of Six Sigma in a garment company PT X to reduced the number of appearance defect, and the high number of rework for the clothes product. Quantitative and qualitative data were processed by means of some Six Sigma tools for each phase ofDMA1C\_ This research focused on the product with style number 148 824 which has I I critical quality characteristic (CTQ). Metric value acquired : defect per unit (DPDQ = Q603974, and the sigma value = 3, 095. Throughput yield = 39, 1026%.