

# Usulan penerapan metode six sigma pada proses assembly untuk meningkatkan kualitas sepatu di PT Pratama Abadi Industri

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## Abstrak

Nowadays, Industries in this world wide are very competitive. The increasing quality of a product is the main thing to satisfy the customer. One way to improve the quality of a product is by decreasing costs that came from the defect of a product. One methods which is used and succsed in big company in order to decreasing defects of a product is Six Sigma. SixSigma found by Motorola Cpmpany in about 1980. Six Sigma method describe step by step with Define Measure Improve Control (DMAIC) way to make company more focus to what their aim to.

In this observation, SixSigma is used in assembly process because many defecs are founded in this Process. The product that being observed are running Nike shoes which will be export to whole continent in this world. The aim of Six Sigma implemention in this Subcontractors Nike are decreasing the amount of defects with knowing the value of sigma and yields as a result of processing the quantitative data. Systematically and conlinously the calculation result the categorize of the company level as an average industiy. From the result of the calculation, analyzing by Six Sigma method will somuch helping to determine Risk Priority Number (RPN) from Failure Modes Electrict Analysis (FMEA) which resulted no quality and inspection standard PT. Pralama Abadi Industri.