

ABSTRACT

The research paper targeted to investigate and analyze quality losses from the industry which tuna cannery company. The analysis will be using quality control tools to analyze and investigate the data. The analysis from this paper expected to help figure the value of Sigma from the company. From data collected, value such as central line as a reference, proportion of defect, upper control and lower control limit from production can be determined. Trend line from central line and defect proportion can be compared with control chart, where central line will be the mean value between sum of production and sum of defect. Then, value of defect per million opportunities can be determined to show Sigma value of the company.

Through statistics evaluation and on-site observation, suggesting company could adopt the Six Sigma principle to increase efficiency and effectiveness.