ABSTRACT

PT. Multi Altek Drumindo is a make to order company that produce drum and general can. The drum is usually used as a oil place so that needs a good quality in order not to be happened the leakage causing loss at customer and company. Pursuant to environmental observation have been found that the defect at process of assembly body drum is very high equal to 12.08 %. Improvement have been conducted by company to depress the defect, but the defect goes up again brief during with many kinds of cause. Company don’t have the potential document of failure with its cause, and system priority to plan improvement which can reduce or prevent the defect. Failure Mode and Effect Analysis Process (FMEAP) represent a method identifying possible potential deviation from each specification and eliminate or minimize the deviation through detecting and or preventing the changes of variable process. Supported appliance for identify the value severity, occurrence and detection is fishbone diagram and Measurement System Analysis (MSA) that result the Risk Priority Number (RPN). Value of RPN become the reference of improvement priority. After Implementation FMEAP and conduct improvement, company experiences a decreasing of defects amount as much as 5.54 %. This research can prove that FMEAP can be the appliance to conduct continuous improvement for company to increase quality.

Keywords: Failure Mode and Effect Analysis Process (FMEAP), Continuous Improvement.