

Defect Analysis AMDK pada Mesin Filling Cup 16Line Menggunakan Model FMEA di PT. Tirta Sukses Perkasa (Defect Analysis of AMDK on 16Line Cup Filling Machine Using FMEA Model at PT. Tirta Sukses Perkasa)
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ABSTRACT

The objectives of this study are 1. To identify the causes of packaging defects that often occur in the AMDK Cup production process, 2. To determine the factors causing the defects caused in the AMDK Cup manufacturing process, 3. To provide appropriate improvement proposals in order to reduce defects. on AMDK cup products using Failure Mode Effect Analysis (FMEA). This research uses quantitative descriptive by testing the hypothesis from the data collected so that the problems that occur and find the best solution. Data processing uses seven tools quality control and failure mode and effect analysis models. The results of the analysis are used to obtain a risk priority number and the highest ranking is carried out for improvement. The results of this study show that there are types of defects caused by the filling machine, namely: leaky cup, seal does not cut, double cup, dented, oval. The causes of product defects are caused by human factors, methods, machines, materials and the environment. Recommendations for improvements to be made are to do a thorough inspection or control of components and spare parts, especially on the heater, because it has the highest RPN value of 125.

Keywords: AMDK Packaging, AMDK Production Process, FMEA, Seven Tools