

**The Analysis of Quality Control Using Control Chart
at Uwins Tofu Factory in Jember Regency**
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ABSTRACT

The amount of industries nowadays makes the competition gets tighter therefore the industries need strategies to maintain and increase the quality of the products produced. Consumers choose products not only based on the taste and price but also the quality of the products so increasing the product quality is needed by an industry or business. Uwins Tofu Factory is one of the small and medium industries producing tofu. Tofu production process needs quality control to reduce the number of tofu damages and to increase the tofu quality. The aim of this research was to analyze the application of tofu quality control and the causes of problems related to the tofu wholeness, tofu cleanliness, and tofu cuts using p control chart device, process capability (Cp), Pareto Diagram, and cause-and-effect diagram. Based on the research, related to p control chart obtained that the result for tofu wholeness criterion there is a point existed on the outside of statistical border line so it shows that quality control process has not been controlled, for the tofu cleanliness is still existed on the statistical border line so it can be said that the quality control has been controlled, for tofu cuts criterion is still existed on statistical border line so it can be said that the quality control is controlled. The factors causing errors in tofu production are equipment factor, human factor, environment factor, and material factor. The main problem on the tofu produced is the tofu wholeness.

Key words: *Quality Control, Tofu, Control Chart*