The Analysis of Boiled Mackarel Tuna (Euthynnus Affinis) Quality Control with SPC (Statistical Process Control) Method at UD Duta Perdana in Puger District Jember Regency

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ABSTRACT

Boiled mackarel tuna is a product of processed fish by boiling and salting. This boiled mackarel tuna product is widely consumed by the people of Indonesia to meet the needs of omega 3 in the body so that the opportunity to establish a fish processing business is very large. UD Duta Perdana is one of the fishery product processing companies by transfer. Intense industrial competition requires UD Duta Perdana to always maintain the quality of the pindang fish products it produces. This study aims to determine the application of quality control of boiled mackarel tuna and the causes of problems related to the integrity body of boiled mackarel tuna, and the cleanliness of boiled mackael tuna at UD Duta Perdana. This research is an experimental research with a quantitative approach using analysis in the form of Pareto diagrams, causal diagrams, p control charts, and process capability (Cp). Based on the results of the p control chart research, the results for the criteria for the integrity body of boiled mackarel tuna are statistically uncontrolled so that it requires improvement in control / control of the production process, and for the cleanliness criteria of boiled mackarel tuna is statistically controlled so that it shows the quality control process is under control. Factors that cause errors in the criteria for the integrity body of boiled mackael fish are obtained from human factors, materials, methods, and the environment while the causes of defects in the cleanliness criteria of pindang fish are obtained from human factors, methods, environment, and equipment. The value of the process capability for each attribute which includes the integrity body of the boiled mackarel tuna and the cleanliness of the boiled mackarel tuna indicates that the process capability can be stated as good.

Keywords: Boiled Mackarel Tuna, Quality Control, Statistical Process Control