

**Analysis Of Quality Control Of Raw Soybean Crackers
by Using Statistical Process Control (SPC)
at UD. Bintang Mulia in Kabupaten Jember**

Dina Indi Lorensa
Agroindustry Management Study Program
Department Of Agribusiness Management

ABSTRACT

UD. Bintang Mulia is one of the raw cracker producers in Jember Regency. UD Bintang Mulia was founded in 2017 and produces raw soybean crackers. Raw soybean crackers are the crackers most liked by consumers. Bintang Mulia so that in the process of producing raw soybean crackers quality control is required to minimize the occurrence of product defects. This research is to analyze the application of control charts, analyze the value of process capabilities, and determine the improvement efforts made by UD Bintang Mulia. The analysis techniques used in this research include control charts, Pareto diagrams, cause-and-effect diagrams, and process capabilities. Based on the results of research carried out 25 times, it is known that when applying the control chart, it was found that there were 2 points outside the control limits; in the integrity attribute, there were 2 points; and there were 2 points for color uniformity. Based on the analysis of the cause-and-effect diagram, there are factors that influence the implementation of SPC, namely humans, methods, machines, and the environment.

Keywords : *Quality Control, Soybean Crackers, Statistical Process Control*