IMPLEMENTATION OF FAULT TREE ANALYSIS AND FISHBONE DIAGRAM TO DERTEMINING THE GOOD QUALITY OF SHRIMP PASTE OVERVIEW ON PUGER VILLAGE IN JEMBER

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ABSTRACT

Recent developments which characterized by increasing global economy has had an impact on the change in orientation of the fish processing industry especially puger shrimp paste agro-industry in Jember, where consumer demand has intensified. Consumers today are not just buying a shrimp paste only, but they also need the quality, consistency and value. However, the factual conditions indicates that the shrimp paste industry is not yet well developed which demonstrated by the discovery of defective products, whereas the shrimp paste market share is still high. If it continues to happen, it will feared to lose puger shrimp paste market and will compete with other shrimp paste agro-industry.

One effort that can be done to overcome this problem is to identify and analyze the quality of shrimp paste puger by using Fault Tree Analysis and Fishbone Diagrams. Both of these analysis were able to identify the primary causes and secondary causes of product defects. It also provide solutions in the form of corrective actions to solve the possible shrimp paste defects and shrimp paste quality targets to produce the good quality of shrimp paste.

The results showed that the defective product is sourced from The 4M's factors, namely labor, tools, raw materials and production methods. Correction action that needs to be done is to repairs on the entire production system and appropriate the standard operating procedures of shrimp paste. Meanwhile, the quality targets include the overall dimensions of the product quality dimensions that is the taste, aroma, texture, color, packaging, shelf life, nutritional value and product safety according to the customer's expectations following the terms and provisions of SNI and BPOM.

Keywords: *Fault Tree Analysis, Fishbone Diagram*

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