

***Quality Control Analysis Of Cometa Canned Tuna
603×408 Using Statistical Process Control Method
At PT. Bali Maya Permai Food Canning Industry***

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ABSTRACT

PT Bali Maya Permai is a tuna canning company in Jembrana, Bali, experiencing defect problems in its Cometa brand canned tuna, specifically seaming process failures and dented cans. The research employed Statistical Process Control methods with Pareto diagrams, cause-and-effect diagrams, p control charts, and process capability analysis. The study was conducted over 23 sampling periods and revealed that the largest proportion of defects was caused by seaming process failures, reaching 299 defects (57.39%). The p control chart showed points outside the control limits, indicating an unstable process influenced by human factors, raw materials, machinery, and methods. Process capability calculations yielded 99.87% for seaming defects and 99.90% for dented cans. Based on these findings, recommended improvements include increasing surveillance intensity, implementing regular machine calibration, and improving can handling methods to reduce product defects.

Keywords: *Cometa Canned Tuna, Statistical Process Control, Quality Control*