

Abstract

This study aims to analyze the quality control of EvaGrow liquid product packaging at PT Prosper Biotech Indonesia by applying the Statistical Process Control (SPC) method. The main problem identified is the number of defective products, such as damaged bottles, loose caps, and printing defects, which can reduce production efficiency and damage the product's image. This research adopts a mixed-methods approach by collecting data through direct site visits, interviews with four key employees, and production documentation over a three-month period. The SPC tools used include check sheets, Pareto diagrams, P-Charts, and fishbone diagrams. The results show that the most dominant defect is damaged bottles (60.00%) and that the entire production process remains within statistical control limits. However, fluctuations at certain production points, particularly during the 8th production occurred due to the absence of the operational head who had a comprehensive understanding of the production process. Based on these findings, it is recommended to provide intensive training for operators, enhance process supervision, and conduct regular machine maintenance to reduce packaging defects and continuously improve product quality.

Keywords: *Quality Control, Statistical Process Control (SPC), EvaGrow, Product Packaging*