

Penerapan SPC (*Statistical Process Control*) Dalam Pengendalian Kualitas Kopi Bubuk Blended (Studi Di Pusat Penelitian Kopi Dan Kakao Indonesia, Jember). *The Implementation of SPC (Statistical Process Control) in Controlling the Quality of Blended Coffee Powder (A Study in Indonesia Coffee and Cocoa Research Center, Jember)*

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ABSTRACT

One of the most distributed product of processed coffe all around the market and the most admirable product is coffee powder. Indonesia Coffee and Cocoa Research Center (Puslitkoka) is one of company producing coffee powder. Puslitkoka also produces blended coffe powder one of its kind is blending. The selling of coffee powder is necessarily be added by an effort of improving the qulaity of product. This research aims at knowing the quality control on the blended coffee powder of blendingtype by implementing SPC (Statistical Process Control) method with analysis tools namely control chart, process capability, pareto diagram and cause-effect diagram. The research result showed that, according to the X-bar of the control chart on the observation of water content, there were dots which was were out of contro limit so that it can be stated that the production process had not fill the quality controlling statistically whilst its value on process capability (Cp) was very good that is 8,11. Based on the X-Bar of controlling map on the observed ash content, there were dots which were out of the control limit so that it can be stated that the production process had not fill the quality controlling statistically whilst its value on process capability (Cp) was very good that is 1,77. Relying to the X-Bar of controlling map on the observed pollen level, there were dots which were out of the control limit so that it can be stated that the production process had not fill the quality controlling statistically whilst its value on process capability (Cp) was very good that is 4.31. On the analysis step, pareto diagram showed that the characteristics of water level were mostly inappropriate. On the stage of cause-effect diagram, it was found that general factors causing the inappropriateness was related to raw materials, human resource,method, and engines.

Keywords: *Quality controlling, Blended Coffee Powder, Control Chart, Process Capability, Pareto Diagram, Cause-Effect Diagram.*