

***Quality Control of Cassava Chips Using Statistical Process Control (SPC)  
Methods at UD Tiga Putra of Patrang District, Jember Regency  
Naning Retnowati, S.TP, M.P as a chief concelor***

**Adelia Putri Siswanti**  
*Study Program of Agroindustry Management  
Majoring of Agribusiness Management*

**ABSTRACT**

*Cassava chips are a derivative product of agricultural commodities in the form of cassava. UD Tiga Putra is a producer of cassava chips in Patrang District, Jember Regency. This study aims to analyse the quality control of cassava chips and identify what factors are discrepancies in the production process. The use of Statistical Process Control (SPC) method is able to control the quality in producing cassava chips products with tools such as np control map, process capability, pareto diagram, and cause and effect diagram. Based on the np control map analysis, there are three variables that have been studied, namely shape integrity, product crispness and colour uniformity of cassava chips. The three variables are stated to be statistically controlled, because there are no points that are outside the upper control limit or lower control limit. The pareto diagram shows that the most common defect is the integrity of the shape with a frequency of 26,494 grams of cassava chips with a percentage of 55.27%. While the cause and effect diagram found the factors causing the problem include material, human, method and tool factors.*

**Key Words :** *Quality Control, Cassava Chips, SPC*