

**Penerapan SPC (Statistical Process Control) Sebagai Pengendalian
Kualitas Produk Tahu di UD Mega Jaya Kabupaten Gresik**
*(Implementation of SPC (Statistical Process Control) as Quality Control of Tofu
Products in UD Mega Jaya district of Gresik)*

Rima Qurrota A'yun
*Agroindustry Management Study Program
Majoring in Agribusiness Management*

ABSTRACT

Indonesia has an extensive farmland, one of which is made of soybeans. Tofu a lot consumed by Indonesian people of all ages. One of the manufacturing industries is tofu to be UD Mega Jaya which is located in Jalan Raya Domas RT. 06 RW. 02, Kecamatan Menganti, Gresik district. The research is aimed at analyzing product quality control, application of control charts and application of process capabilities in the control of product quality at UD Mega Jaya uses the method Statistical Process Control (SPC) with the tool analysis diagram cause effect, map control np, pareto diagram and process capability. Based on the results of the research obtained quality control results on UD Based on the results of the application of the NP control map, the results were obtained that the quality control of the variable shape imperfection, smooth texture and the presence of sticky dirt is within the statistical control limits. The process capacity (Cp) of the UD Mega Jaya was achieved for the shape integrity variable of 0.96, the texture integrity variant of 0.97 and the cleanliness variable is 0.98. Based on these results, the company is expected to continue to maintain and improve the quality control of the product, as well as to evaluate the factors causing the occurrence of product defects in order to produce products that meet the company's standards and quality.

Keywords: Tofu, Quality Control, Statistical Process Control (SPC)