ABSTRACT

In Indonesia were known few cotton companies and one of them is PT. Kasa Husada Wira Jatim. Hard competition between similar companies in the same product made PT. Kasa Husada must keep quality of the product that they produce. To know where the production process is well, capability analysis for the production process is needed. Research is done to improve product result in quantity and also in quality that the company produce. Research is done with thorough company process capability in full filling product quality characteristics that customer feel important with SPC approach. Result from process capability analysis show that for quality characteristics reserve speed have process capability index CP 10.4297 (CP > 1) and CPK 0.4847 (CP < 1) from the index we can conclude that production process have low capability process because process happened not in the specification limit. While for the quality characteristics reserve capacity have process capability index 0.4204 (CP < 1) and 0.3120 (CPK < 1) this index are prove that the production process have low capability process because process happened not in the specification limit.

Key word : quality characteristics, SPC (Statistical Process Control), process capability analysis.