

SUMMARY

NOVIANA ULFA. 11504050100111166. Analysis of Natural Rubber Quality Control in order to Improve The Product Competitiveness in PTPN XII Kalirejo Glenmore. Under the Guidance of Wisynu Ari Gutama, SP. MMA as Main supervisor.

The existence of a free market in the era globalization, it requires each country to competitiveness. Indonesia is the second producer of natural rubber after Thailand. Indonesia is producer of rubber commodity which has strategic role in improving the national economy. One way to do that is improve the quality of natural rubber products. Improved product quality natural rubber is expected to increase the competitiveness of Indonesia.

PTPN XII (Persero) is a company based raw material of natural rubber. The products have been produced is light brown of rubber sheets with a thickness of 2.5-3 mm or Ribbed Smoked Sheet (RSS). The quality of material rubber to greatly of affect product. This research was conducted from rubber material observations to product of semi-finished rubber sheet that Ribbed Smoked Sheet (RSS). The purpose of this research is knowing quality control production, constraint of process production Ribbed Smoke Sheet, and the efforts to improvement quality control in PTPN XII Kalirejo Glenmore. The controlling have purpose for keep and supervise of process production in order to efficient and substract of low quality product or financial loss.

Quality control of rubber products is using the concept of Total Quality Management (TQM). Quality control of product is involving all organizations in the management. Quality control use description of qualitative data, it explain about process production of Ribbed Smoke Sheet from acceptance law material until product in PTPN XII Kalirejo Glenmore. Quantitative data have been use to know level of quality control from control chart analysis. The constraint of production process motivate low quality and the dominant problem have been knew by pareto chart. Fishbone chart have been use to know cause and effect of constraint from production process. Fishbone chart have been use to know improvement method of quality control from problem in PTPN XII Kalirejo Glenmore.

Quality control have not maximal in PTPN XII Kalirejo Glenmore. Result of qualitative analysis indicate that law material quality have inferio latex and sheet is repeating in fumigation process. PTPN XII Kalirejo Glenmore was producing 623.259 kg Ribbed Smoke Sheet in 2014. Highest of production RSS1 was 99,50 percent in October and lowest of production was 95,41 percent in July. RSS1 product that not definite have been effect RSS2, RSS3, cutting product. Result of control chart analysis have 9 point outside by quality control line and there is 3 point inside by quality control line in PTPN XII Kalirejo Glenmore. Result of Pareto chart indicate constraint of cutting product was highest just that other constraint. Cutting product have been caused bubble, fungus, and law sheet in Ribbed Smoke Sheet

product. Result of fishbone chart indicate low quality have been effect of process production, the factor was man, method, machine, and environment.

PTPN XII Kalirejo Glenmore did improvement of maximal quality control, it use to controlling labor in production process step, especially acceptance law material and labor must be discipline to change bamboo of fumigation process. A labor can take care and clean up machine, that was media production process, labor take care of temperature of room in order to not damp and it is not go down of quality product. As good as PTPN XII Kalirejo Glenmore give maximal coaching to labor, specially production section in order to maximal quality control and RRS1 product is advance.

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