

ABSTRACT

Mosquito nets are a means of protection against mosquitoes, flies, and other insects that carry disease, usually attached to the bed. Mosquito nets are also known as bed canopy, generally mosquito nets are used like a tent to cover the bed. PT.Family Sejati Textile is a company engaged in the textile industry, which is located on Jl. Raya Laswi No. 236, Majalaya, Kec. Majalaya, Bandung Regency, West Java. The company produces products such as mosquito nets, black netting, gauze – paranet – polynet and oversized polyester yarn. This company implements a make to order system.

PT. Family Sejati Textile in the period January – November 2021 experienced an unattainable production of mosquito nets that occurred almost every month. This happens because of several factors such as negligence of workers and damage to the machine, resulting in defects in the process of making the mosquito net product. The results of the percentage of factors causing the inability to produce mosquito nets at PT.Family Sejati Textile. Operator negligence resulted in a percentage of 52.6% and Machine Damage obtained a percentage of 47.4%.

Based on historical data for the period January 2021 to November 2021, mosquito nets were produced in a total of 201,185 pcs with a defect percentage of 2.1%, which exceeds the tolerance limit set by the company, which is 2%. At the time of observation, there were problems with the mosquito net product, namely there was a waste defect in the production process of PT.Family Sejati Textile mosquito nets, namely the surface is hollow, stains and stitches are not tight.

Based on the problems that are currently happening in the company in the mosquito net production process, this research will focus on helping companies reduce waste defects that occur in mosquito net products, using the Lean Manufacturing method, and some of its tools, namely VSM and PAM as a tool in perform data processing and the poka yoke method to provide appropriate improvement suggestions.

Keywords — Lean Manufacturing, Poka yoke, VSM, PAM, Defect