

ABSTRACT

Product quality control in a production process is a very important factor for the industrial world, one of which is PT. Sukorintex which implements quality control. The increasing progress of the production process, quality control is very important to be applied in order to ensure that the resulting product does not experience imperfections or defects in large quantities. PT. Sukorintex is one of the companies engaged in textile manufacturing that produces sarong products, namely wadimor, turban, sheets, and pillowcases. PT. Sukorintex quality control is mandatory in all departments of the glove manufacturing process. However, in every department there are still failures or defects in processes and products. Therefore, it is necessary to identify the risk of failure or defect in every process of sarong production in all departments. One way to identify the risk of failure or defects in the production process is by using the method of failure mode and effect analysis (FMEA). The data used in this study is secondary data provided directly by the company. The data collected are the number of productions made of wadimor sarongs and the number of product defects. Data processing is done by determining and identifying the values of severity, occurrence, and detection of failure modes in each department of the glove production process which is then used to determine the value of the Risk Priority Number (RPN). From the value of the RPN, it is possible to determine the proposed improvements to be made to minimize failures or defects in the production process.

Keywords: Quality Control, Identification of Risk of Failure or Defects, Failure Mode and Effect Analysis (FMEA), Severity, Occurrence, Detection, Risk Priority Number (RPN)