

ABSTRACT

With the rapidly growing industrial development and also the existence of manufacturing industry more and more then the consumer is increasingly selective in determining the choice in buying goods or quality products. To respond to this, the company must be able to improve the quality of its products in order to compete with similar companies. To improve the quality and trust of customers to the company need a certification that is ISO 9001: 2015 on Quality Management. This is very important for companies to get ISO certification because it can help improve customer satisfaction through quality improvement. Many things that must be considered to get the certification of ISO 9001: 2015 one of the most important thing is the risk management mentioned in clause 6.1 is the action to address risks and opportunities. PT. Kharisma Printex is a manufacturing company engaged in the field of textile especially dyeing (Dyeing), printing (Printing) and finishing (Finishing). Many things that cause the production process at PT Kharisma Printex is hampered because of the handling of risk that has not been good. PT Kharisma itself is currently trying to get the certification of ISO 9001: 2015, where at ISO 9001: 2008 there is no risk management so that PT Kharisma does not have good risk management so as not to cause harm and bad impact for the company. Therefore the researcher performs risk assessment on the production process of printing cloth in PT. Kharisma Printex by identifying the risk, after the risk is known, then identification objective, hazard, risk dampak against objective, risk statement and also object affected because of the risk. Then the next risk analysis to determine how severe impact will be generated and also how big the probability of risk by determining severity and likelihood. The next stage is risk evaluation at this stage the risk will be in value and grouped into low risk, medium risk, and high risk by performing score calculations on risk based on the severity score and likelihood each risk. If the risk is high risk then the risk is necessary to do risk treatment because of the high level of urgency and is a high potential risk. The next stage is the risk treatment is after knowing the risk, the risk is categorized as low risk, medium risk or high risk in the previous stage of risk evaluation. Risk treatment is done only on the risk of risk in the red column or categorized as high risk because the urgency and impact will be very severe if not immediately handled and

managed. From the risk treatment is proposed risk management that will be used to reduce and minimize the impact and the probability of risk occurrence

Key words: ISO 9001:2015, ISO 31000:2009, Risk, Risk Management, Risk Assessment, Severity, Likelihood