

ABSTRACT

PT. ABC is a company engaged in the textile industry in Indonesia located in Majalaya, Kab. Bandung. PT. ABC produces textile goods that is sarong. To produce sarongs, the production process is quite complex, but some processes still use human power for its manufacture. For the process that uses the machine that is weaving process, the machine used is Weaving Shuttle engine branded PRC and Suzuki. The process is selected by the most risky machines using the Risk Matrix method with engine output that has a high production amount among other processes so that the machine in the process must have a good performance and work optimally. For that need to do maintenance activities on machines that work in the process. The method used Risk Based Maintenance (RBM) to know the maintenance planning. Another method used is the method of Cost Of Unreliability (COUR) to determine the costs incurred due to the unavailability caused from the Weaving engine.