

***EFFECTIVE COMBINATION OF CONNECTION AND
MAINTENANCE TECHNIQUES ON CONVEYORS USING THE
RELIABILITY CENTERED MAINTENANCE (RCM) METHOD
OF PT. IKPP PERAWANG***

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ABSTRACT

Conveyors play an important role in supporting the smooth production process at PT. Indah Kiat Pulp & Paper, especially as a means of transporting material. However, the high frequency of damage to the conveyor system often causes significant production downtime. This study discusses the combination of effective splicing and maintenance techniques to improve the reliability and efficiency of conveyor work at PT. Indah Kiat Pulp & Paper Perawang. By combining the right splicing method and a maintenance strategy based on Reliability Centered Maintenance (RCM), this study determines that the implementation of routine preventive maintenance, periodic inspections, and optimal joint repairs can reduce the number of damages and minimize machine downtime. The results of the analysis also show that scheduled inspection intervals and proactive component replacement can extend the life of the conveyor and support the achievement of the company's production targets.

Keywords: *Downtime, Maintenance, RCM, Splicing, Conveyor*