MAINTENANCE MANAGEMENT FOR OPERATIONAL COMPONENT SYSTEM USING SYSTEM DYNAMICS MODELLING (CASE STUDY PREFRACTIONATION UNIT PT. TRANS PACIFIC PETROCHEMICAL INDOTAMA)

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Abstract

Maintain a target on a company's achievement is not something easy to achieve. It needs a strategy to maintain attainment of these targets. Strategies are needed to achieve and maintain something that is to be achieved, in this case is a strategy for optimizing system operational oil refineries in order to keep the products produced in accordance with the target. An oil refinery system especially here Prefractionation unit will operate optimally if the entire system is backed by the powerful components inside. Components is very impotant role on the performance of operational in Prefractionation unit. The entire system can fail Prefractionation unit if the component failure. This would be a risky business where the company wants optimum results from the refinery system that works. Therefore the importance of maintenance management in regulating all matters relating to the care component or system failure. This has become an important topic given the company's balance sheet must balance between the costs to be incurred for the care component or system failure with revenue costs of the final products of economic value. With
the methods of dynamical systems will be analyzed for the impact of component failures on the overall operational system and the oil refineries of the company itself. So that the importance of maintenance management itself in order to be able to plan and optimization for maintenance strategies that will benefit the company as possible.