

## **ABSTRACT**

*Centrifugal pumps often experience downtime due to damage so that the production process stops. By approaching the Overall Equipment Effectiveness (OEE) method, it is expected to identify the factors that cause decreased pump efficiency and formulate strategies and corrective actions that increase the operational efficiency of centrifugal pumps at PT. Permata Hijau Group in May 2024 - April 2025. From the results of the study, the OEE value was obtained above the JIPM standard of 85% with the highest value in February 2025 of 88.15% and the lowest value in July 2024, September 2024, January 2025 and March 2025 of 85.34%. The biggest influence occurred in reduce speed losses of 8.32%, idling and minor stoppages losses of 6.96%. Based on the fishbone analysis, the cause of the high breakdown time in the Hydrogenation division at PT. Permata Hijau Group is due to the lack of scheduled preventive maintenance, so the Company needs to rearrange the schedule.*

**Kata Kunci:** *Overall Equipment Effectiveness (OEE), Pompa Sentrifugal, Six Big Losses, reduce speed, efisiensi.*