

PEERAPONG PIMUP : DEVELOPMENT OF THE ONLINE CONDITION -
BASED MAINTENANCE USING WEB - BASED APPLICATION.

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108 PP.

INTERNET OF THINGS/MAINTENANCE/VIBRATION/MONITORING

At present, the goals of the industry are producing products with lower production costs, more standardized product quality and delivering the product on time. Production factors include raw materials, labor, and machinery used in the production process. Selection of machines that are durable and Accuracy all the time. When using the machine for a long time, the machine will deteriorate over time such as wear and tear, failure. Therefore, a machine that has been used for a long time it needs to be maintained properly. Maintenance method is Breakdown Maintenance (BM), Preventive Maintenance (PM), Predictive Maintenance (PdM) and Proactive Maintenance. The target of maintenance is to maintain the machines performance and extend the service life to be longer and no machine breakdown. The researchers realized that implementing condition-based predictive maintenance to help in the maintenance work to keep the machines working efficiently. By using the machine vibration technique. The vibration in the machine is unique in any vibration failure. The vibration analysis technique able to identify machine failures, suitable to check machine working conditions. And there is a display of the vibration status of the machine through a web application to monitor machines that are important to the production line in factory.

School of Mechanical Engineering

Academic year 2020

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