Problem Solving and Enhancing the Overall Equipment Effectiveness in Pharmaceutical Industries

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Abstract: **Overall Equipment Effectiveness (OEE) is a method to monitor and improve the efficiency of manufacturing processes. OEE is broken down into three measuring metrics; availability, performance, and quality. The aim of this research is to use these metrics to benchmark the efficiency and effectiveness, and categorize the key productivity losses that occur within a pharmaceutical production plant. During the research, OEE is measured by using different devices and monitored in packaging department of the plant. After that, data were analysed to propose different correction and improvement actions. Results have shown many problems that cause deterioration in OEE, such as using improper production parameters. By adopting some corrective actions, an OEE enhancement has been obtained and losses have been reduced.**

***Key words*— pharmaceutical industries, Problem solving, Overall Equipment Effectiveness.**

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