

ABSTRACT

PT. Bintang Jaya Proteina Feedmill is a company that produces feed with raw materials derived from agricultural products, livestock, and other materials suitable for use as feed ingredients, both processed and unprocessed. This study discusses the maintenance system in animal feed production using the lean maintenance approach. PT. Bintang Jaya Proteina Feedmill has problems with the maintenance system and is also related to the production process. The problem that still occurs is that there is still waste in maintenance activities and also the absence of planned maintenance which makes production machines experience damage which results in disruption of the production process. The purpose of this research is to determine the waste that occurs in production at PT. Bintang Jaya Proteina Feedmill and provide repair solutions so that the effectiveness of the machine can be increased. Data processing is carried out using Maintenance Value Stream Mapping (MVSM) to trace the causes of waste in maintenance activities which will then be deepened by Root Cause Analysis (RCA) and Why-Why Analysis to recommend improvements in an effort to eliminate the waste.

Keywords: Lean Maintenance, Maintenance Value Stream Mapping, Why-Why Analysis, Root Cause Analysis (RCA)