ABSTRACT

The 260 Wp Monocrystaline solar module is a product of PT XYZ which is produced annually. Based on production data of 2017, it was found that PT XYZ was unable to achieve production targets so that module delivery to customers was delayed. Based on company data, the number of products reached only 664 units. It is suspected to occur due to the waste. Therefore, the purpose of this research is to identify the root cause of waste motion so that it can give proper improvement proposal to minimize waste motion. This research uses Lean Manufacturing approach to solve waste problem. The result of this research is the decrease of lead time 354,99 second from 6824,04 second to 6469,042 second and decrease of non value added time equal to 155 second and value added time decrease equal to 200 second. This proves with Lean Manufacturing approach on PT XYZ can eliminate waste motion so that lead time is faster.

Keyword: *Lean Manufacturing, waste motion, value stream mapping, process activity mapping*