

BAB V

CLOSING

This chapter presents the conclusions drawn from the conducted research and offers recommendations to Sanjai Anna upon implementing the proposed suggestions. Additionally, it includes recommendations for the future research.

5.1 Conclusion

Based on data processing and analysis of the obtained results, it can be concluded that:

1. The identified potential wastes at Sanjai Anna include: delay of cassava arrival, defect product (crack, burnt, hard, redness at the edge of sanjai and expire product), activity searching for tools at cassava skin peeling station, and last employees who pause their activities to facilitate access for other employees. Addressing waste provides opportunities for companies to increase competitiveness, add value to customers, and ensure long-term business continuity. It's not just about better operations but also creating a strong foundation for company growth and success.
2. Based on Fuzzy AHP calculations and pareto diagram, it was found that the highest and critical priority for waste delay of cassava as raw material arrival (W1), employees who pause their activities to facilitate access for other employees In Production House 2 (M2), crack product (D1) and redness at the edge of sanjai (D4) with a cumulative percentage up to 77%. Pareto diagrams make identifying and prioritizing key risks easier by involving cumulative probabilities. This allows companies to allocate resources efficiently, avoiding wasting on risks with lower impact or probability.
3. The proposed improvement suggested to Sanjai Anna are: create standardization for ordering and scheduling, establish contract with the

supplier, conduct an evaluation to the current production layout, guide the employees to disciplinedly adhere to existing work rules and procedures, the last provide tool for measuring the oil temperature and create oil temperature standard. These proposed improvements create a holistic strategy that addresses multiple aspects of waste, demonstrating a comprehensive and effective approach to improving operational efficiency.

5.2 Suggestion

The research conducted at Sanjai Anna can minimize the occurrences of waste, but this requires precise implementation. Therefore, Sanjai Anna needs to be disciplined if Sanjai Anna want to adopting suggested solution. Sanjai Anna is required to establish and allocate the necessary resources to implement the propose improvement.

In this study, the DMAIC analysis process was only carried out up to the improve stage. Therefore, in future research, it is expected that the study will progress to the control stage. This is essential to assess whether the previously proposed system can reduce or eliminate the waste occurring at Sanjai Anna.

