CHAPTER VI
CONCLUSION AND RECOMMENDATION

This chapter contains the final conclusion of the research and recommendation of this research and further research.

6.1 Conclusion

Based on the analysis, the final conclusion to answer the research objective can be stated as below:

1. The morning shift has the initial total workload of 724.24% for 10 workers which the average workload is 72.42% with the workload deviation of 0.263. The evening shift has the initial total workload of 410.41% for 7 workers which the average workload is 58.63% with the workload deviation of 0.0898.

2. The current work system is not an ideal work system, marked by the low average workload and significant workload deviation.

3. The proposed new work system gives the optimization of workload and workforce. For the morning shift the initial average workload of 72.42% is increased to 91.04%, while the workload deviation reduced from 0.263 to 0.146, and the number of workforce is reduced from 10 workers to 8 workers.

As for the evening shift the initial average workload of 58.63% is increased to 94.30%, while the workload deviation reduced from 0.0898 to 0.041, and the number of workforce is reduced from 10 workers to 8 workers.

6.2 Recommendation

As for the recommendation for this research can be stated as:

1. Madusari should revise the current workforce allocation to obtain the optimal number of workload and the optimal number of workforce needed per shift.
2. This research would give more significant result if this research can capture the entire working shift, regarding this research is only capture morning shift and evening shift while the night shift can’t be captured due to permittal problem. If the night shift can be captured, all of the traits of each shift can be identified and analyzed, regarding the two shift that been captured has unique anomalies and problems on their own.

3. Further research analysis should consider the impact and effect of worker’s movement and the requirement of work equipment.
References


