

CHAPTER VI

CLOSING

This chapter contains conclusions from the processing and analysis that has been done. In addition, it contains suggestions for further research.

6.1 Conclusion

The conclusions of this final project research are as follows:

1. Work methods improvement was carried out by identifying work elements that were not aligned with efficient motions. The unnecessary work elements were eliminated, combined, and simplified to produce effective motions. Based on the calculation, the standard time obtained was 196,28 seconds. This improvement successfully reduced 93,76 seconds from the current time. With this improvement, the transferring to the pressing station process could be carried out immediately with a very small delay of only 8,26 seconds. It was successfully reduced the delay to 2,25% and the process time at workstation IV was reduced by 93,76 seconds, from 460,85 seconds to 367,09 seconds.
2. Workload balancing was carried out by transferring several tasks from workers with heavier workloads to those who still had idle time/delay. This workload balancing successfully reduced 41,48 minutes/shift, equivalent to 1 hour and 22,96 minutes/day. The balancing also increased production capacity by 3.640 units of tofu/day, or about 12,5% of the current tofu production. The additional capacity is expected to meet future consumer demand without the need to purchase additional machines or hire more workers.

6.2 Suggestion

Suggestions for future research are expected to continue the study related to product quality analysis as a result of the changes made, by examining whether the increase in capacity affects the quality of the tofu produced, as well as how to maintain consistency of quality amid the increase in production volume.

