

CHAPTER VI

CONCLUSIONS

This chapter contains the conclusions of the research results and suggestions for further research.

6.1 Conclusions

The conclusions obtained based on this research are:

1. Evaluate the TPM implementation on AM pillar in Indarung IV plant of PT Semen Padang is showed by performance index. Performance index is obtained based on the evaluation score and importance weight of each indicators of KPIs. Performance index for evaluation TPM implementation on AM pillar in Indarung IV plant of PT Semen in is 6.60. It is classified into yellow zone color in traffic light system. It means that that overall performance is quite good but needs to be improved at indicators based on their evaluation score, importance weight and value.
2. Proposed improvement suggestions to the indicators based on their evaluation score, importance weight and value consist of the existence standards for inspection, tightening, cleaning procedures, the existence of cleaning standard, the existence of checklist sheet inspection, autonomous maintenance (lubrication and cleaning) training conducted for operator, periodic inspection rate conducted, the existence of visual control for cleaning, tightening, inspection activities like banner, signs and notice board, the number of abnormalities that found, and the circle AM (SGA) meetings conducted.
3. Improvement suggestion to improve the existence of standards for inspection, tightening, cleaning procedures is the company conducts a GAP analysis of the gap between the standard specifications of each procedure and the implementation of the procedures by the operators. Improvement

suggestion to improve the existence of cleaning standard is making the cleaning standards list and checklist sheet. Improvement suggestion to improve the existence of checklist sheet inspection is education for operators to increase the operator morale about the importance of implementation of checklist sheet inspection. A qualified AM trainer should act as facilitator for the activity. Improvement suggestion to improve AM (lubrication and cleaning) training is top management takes the decision to implement maintenance program for operator. Improvement suggestion to improve periodic inspection rate conducted is education for operator to organize the schedule and realization of periodic inspection. Improvement suggestions to improve the existence of visual control for cleaning, tightening, inspection activities are making a list of visual inspection controls that must exist in Indarung IV plant and making a check list sheet. Improvement suggestions to reduce the number of abnormalities that found are development One Point Lesson (OPL) and development the tag of abnormalities. Improvement suggestion to improve circle AM (SGA) meetings conducted are make a permanent schedule of meetings every week and determine the duration only about 30-40 minutes in order to the meetings has time efficiency and effectively.

6.2 Suggestions

The suggestion based on the research conducted consists of suggestion for company and for future research are as follows:

1. Conduct the evaluation in Indarung II, III, IV, VI plants in order to obtain the comparison of performance between plants.
2. Design an instrument evaluation that can used to assess the implementation of all TPM pillars.