Chapter 5

CONCLUSION AND RECOMMENDATIONS

5.1. Conclusion

1. CMMS does all function in the same manner as manual work. CMMS has a major advantage – speed. While manual systems need large files and are subject to misplaced data and communication problem, CMMS are convenient packages. CMMS has several following advantages to user:
   - Improve maintenance efficiency
   - Reduce maintenance costs
   - Reduce equipment downtime by scheduling preventive maintenance
   - Provide historical records to assist in maintenance planning and budgeting
   - Provide maintenance report in a required format of the user.
2. CMMS will do many things for many companies. It is a tool for improving the way maintenance and other organization store, manipulating and retrieving data. Contrary, the CMMS will not replace good maintenance practice and management. The CMMS will not:
   - Replace a maintenance manager
   - Replace planners
   - Assign work
   - Bring order to chaos
   - Improve reliability and quality
3. After the author analyzes all variable of maintenance data, the author has conclusion that CMMS has positive influence. Based on 19 variable is tested, 12

variables have influence into maintenance performance, and 7 variables do not have influence into maintenance performance.

4. There is a reason to improve CMMS capability in this industry, because this analysis has proved that this system can improve productivity. Improving CMMS can increase better maintenance division performance than this time.

5.2. Recommendations

1. Maintenance Division should pay attention to critical variables as amount of trouble and downtime, because these variables are directly influenced to production process.
2. For overtime and labor cost, supervisor should control these variables, because these can reduce selectively. As example, if there is no urgent work, the worker should leave on time. For labor cost, supervisor should select the task using labor supply for maintenance job, because labor supply is more expensive than the worker itself.
3. Maintenance procedures should be improved according condition of the equipment. The procedures also should follow maintenance trend and technology, like using newest tool to get better result.
4. This CMMS condition can be improved to another application for more powerful application.