

CHAPTER VI

CONCLUSION & RECOMMENDATION

This chapter contains the conclusions based on the research that has been carried out and the suggestions given for further research.

6.1 Conclusion

Based on the research that has been done, it can be concluded that the results of this study are as follows:

1. The results of problem identification show that there are four types of defects in the production process that cause malfunction in the 10 x 80 cm busbar product, namely bent busbar, scratched visual, oxidized visual, cracked visual during bending test. Based on the calculation, obtained two Critical To Quality (CTQ) of the four quality characteristics, namely bent busbar and scratched visual which are used as research objects.
2. The product quality for the 10 x 80 cm busbar produced by PT Sutrakabel Intimandiri still needs to be improved. This can be seen from the sigma level value obtained by the company from the calculation, which is 3.607.
3. Proposals for priority improvements to the quality of 10 x 80 cm busbar products that can be made by PT Sutrakabel Intimandiri

Improvement of Scratched Visual:

- Proposing filter installation and filter replacement once a month
- Proposing to check the lubricant water before doing the production process in work instruction

Improvement of Scratched Visual:

- Proposing Work Instruction of drawbench machine for bent busbar repair

6.2 Recommendation

The suggestions given to further researchers in this study are as follows:

1. It is recommended to carried out on all products produced by PT Sutrakabel Intimandiri, so that the results obtained describe the overall product quality of PT Sutrakabel Intimandiri.
2. It is better if further research is carried out until the control stage (implementation), so that it can be seen that the proposed improvement can reduce the number of defective products.
3. It is recommended that the cost factor be calculated for further research, in order to find out the losses suffered by the company.
4. It is recommended to do further research on the strength of straightening copper in drawbench machine

