

CHAPTER VI

CONCLUSION

This chapter contains several conclusions and suggestions obtained based on the results of the research conducted.

6.1 Conclusions

The suitable inventory planning that will be proposed according to the previous processing and analysis process starts with classifying the consumable items using ABC-FSN analysis. The result of the classification is 9 types of item, in terms AF, AS, AN, BF, BS, BN, CF, CS, and CN. After that, the 9 types are grouped into three different categories, which are Category I (AF and AS) consists of 9 items, Category II (BF and BS) consists of 24 items, and 159 items in Category III (AN, BN, CF, CS, and CN). The inventory policy will be chosen based on those categories. Category I will be managed using continuous review system, Category II will be managed using periodic review system, and Category III will be managed based on when the items is needed or not using specific inventory planning. The results obtained from the proposed inventory policy are the total cost of the proposed inventory is Rp4.470.049.559,74. The cost is 26,56% lower than the current policy that applied, which is Rp6.086.880,56

6.2 Suggestions

Several recommendations for improving future research include

1. Further research is recommended to use additional classification methods other than ABC-FSN so that the classification of items is more accurate.
2. Further research is recommended to know about the opportunity cost to the production process when there is a stockout an item.