

## CHAPTER V

### CONCLUSIONS

Base on the results obtained from this study, the following conclusions can be drawn.

1. A long mixing time in mixing process seems to greatly support pigment grinding in grinding process.
2. With relatively the low viscosity of mill base in different grinding conditions, fineness of mill base is decreased better and faster.
3. The flow rate of mill base in this study has insignificant effect to fineness of mill base.
4. Fineness of mill base is found to be inversely proportion to a period of grinding time.
5. In this experiment, the suitable grinding condition for 2500 kilograms of mill base to gain better efficiency of grinding process and higher productivity in manufacturing process is at 120 minutes of mixing time, 70 KU of viscosity, and 20 kg./min. of flow rate of grinding machine.