

CHAPTER 5. CLOSING

5.1 Conclusions

Based on the experimental study, the following conclusion can be drawn :

- a. Wear mechanism that occurred on both the inner race and outer race of ball bearing lubricated by corn oil, sunflower oil and olive oil was abrasive wear type
- b. The wear pattern of inner race and outer race of ball bearing lubricated by corn oil was the roughest and the wear pattern of inner race and outer race of ball bearing lubricated by olive oil was the smoothest
- c. The scar width of ball bearing lubricated by corn oil were wider than scar diameter occurred on ball bearing lubricated by sunflower oil, and scar diameter of ball bearing lubricated by sunflower oil were wider than scar diameter occurred on ball bearing lubricated by olive oil
- d. The increasing of viscosity made the scar width become lower.

5.2 Recommendation

In order to know the influence of other physic characteristic of biolubricant on the scar diameter and wear pattern of ball bearing, various velocities are needed to be investigated.

