

## 10. FUTURE WORK

The significance of this research is its feasibility to implement opportunities for further investigations. It would be desirable to carry out manufacture of polyester resins with applying chemically recycled PET as a solutions for the plastic waste. Therefore it is suggested that similar studies should be undertaken with different type of plastics and polyester resins, so that comparison of studies could contribute to the development of the recycle technology of plastic waste.

The following suggestions would be made for further improvement of PET scrap application for surface coating industry.

1. To manufacture medium oil alkyd resin and short oil alkyd resin with applying PET scraps.
2. To manufacture long oil alkyd resins using different type of oil/fatty acids.
3. To study the affect of terephthalic salt on the properties of alkyd resins.

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