

CHAPTER V

CONCLUSIONS AND RECOMMENDATIONS

Conclusions

The following conclusions are drawn from the study:

1. The rates of demulsification of every medium were higher than that of gravity demulsification.
2. Increasing flow velocity resulted in an increase in the rate of demulsification for palm fiber but it had a slight effect on synthetic fiber and pumice stone.
3. Increasing operating temperature tended to reduce the rate of demulsification.

Recommendations

Recommendations for future studies and research are as follows:

1. The pressure drop is one of the most important factors that should be considered in design of the coalescing beds. The future study should be examining the effects of pressure drop on the coalescence performance too.
2. The available data were not sufficient for reliable design of practical coalescers. Drop diameter, grain diameter, wettability, and fluid properties, some of these variables on coalescer performance should be examined to optimize the condition of practical operating.

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย