

REFERENCES

1. Freedman, B.; Pryde, H.E.; Mounts, L. T. Variables affecting the yields of fatty esters from transesterified vegetable oils. *Journal of American Oil Chemistry Society* 1984; 61: 1638-1643.
2. Freedman, B.; Pryde, H. E.; Kwolek, F. W. Transesterification kinetics of soybean oil. *Journal of American Oil Chemistry Society* 1986; 63: 1375-1380.
3. Saka, S.; Kusdiana, D. Biodiesel fuel from rapeseed oil as prepared in supercritical methanol. *Fuel* 2001; 80: 225-231.
4. Kusdiana, D.; Saka, S. Kinetics of transesterification in rapeseed oil to biodiesel fuel as treated in supercritical methanol. *Fuel* 2001; 80: 693-698.
5. Martin, M. Diesel fuel derived from vegetable oils, VI: Specifications and quality control of biodiesel. *Bioresource Technology* 1996; 56: p.7-11.
6. Perry, R. H., Green, D. W. *Perry's Chemical Engineering Handbook*. 7thed. The United States of America: R. R. Donnelly&Sons Company; 1997. p. 2.14-19.
7. Automotive engineering technology research and training center, King Mongkut's Institute of Technology North Bangkok. *Palm oil as alternative fuel for diesel engine* [unpublish]. Bangkok: King Mongkut's Institute of Technology North Bangkok; 2002.
8. Ethanol and biodiesel club of Thailand, Faculty of Agriculture, Khon Kaen University. *Ethanol-Biodiesel: Alternative energy source for the future* [unpublish]. Khon Kaen: Khon Kaen University; 2001.
9. Agriculture and industrial agriculture group, Cooperative and research project division, National research council of Thailand. *Research and development of biodiesel markets* [unpublish]. Bangkok: Cooperative and research project division; 2001.

10. Crabbe, E.; Nolasco-Hipolito, C.; Kobayashi, G.; Sonomoto, K.; Ishizaki, A. Biodiesel production from crude palm oil and evaluation of butanol extraction and fuel properties. *Process Biochemistry* 2001; 37: 65-71.
11. Srivastava, A. R. Triglyceride-base diesel fuel. *Renewable and Sustainable Energy Reviews* 2000; 4: 111-133.
12. Diasakov, M.; Louloudi, A.; Papayannakos, N. Kinetics of the non-catalytic transesterification of soybean oil. *Fuel* 1998; 12: 1297-1302.
13. Stumborg, M.; Wong, A.; Hogan, E. Hydroprocessed vegetable oils for diesel fuel improvement. *Bioresource Technology* 1996; 56: 13-18.
14. Skoog, A. D.; Holler, J. F.; Neiman, A.T. *Principle of Instrumental Analysis*. 5th ed. The United State of America: Saunders college publishing; 1998. p. 410-13.
15. Grisdanurak N. *Ethyl isopropyl ether (EIPF) synthesis over cation exchange resins: catalyst evaluation and reaction kinetics*. [Doctor Thesis in Chemical Engineering and Petroleum Refining]. Colorado: The Colorado School of Mines; 1996.
16. Darnoko, D.; Cheryan, M. Kinetics of palm oil transesterification in a batch reactor. *American Oil Chemists' Society* 2000; 80 (12): p.1263-1267.
17. Basheen, S.; Snape, J. B.; Mogi, K.; Nagajima, M. Transesterification kinetics of triglycerides from a modified lipase in n-hexane. *American Oil Chemists' Society* 2000; 72 : p.231-237.
18. Nouredдини, H.; Zhu, D. Kinetics of transesterification of soybean oil. *American Oil Chemists' Society* 1997; 74: p.1457-1463.
19. Osuwan S. *Kinetics for Chemical Engineers*. Jaithong Company; 1996. p. 61-86.
20. Muniyappa, P. R.; Brammer, S. C.; Hossein, N. Improved conversion of plant oils and animal fats into biodiesel and co-product. *Bioresource Technology* 1996; 56: p.19-24.
21. Boocock, D. G. B.; Konar, S. K.; Mao, N.; Sidi, H. Fast one-phase oil-rich processes for the preparation of vegetable oil methyl esters. *Biomass and Bioenergy* 1996; 11 (1): p.43-50.
22. Fogler, S. H. *Element of Chemical Reaction Engineering*. The United States of America: Prentice-Hall International, Inc. 3rd ed. 1998. p. 70-75.