

Tahapan pemilihan bahan baku dan jalur proses pada sintesis base oil

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Abstrak

The selection of base lubricant raw materials was carried out with Exponential Comparative Method (ECM). Based on some criterion's: supply, price, raw material characteristic, and use, so curcas oil was the potential raw material. The result of physical-chemical properties analysis explained that curcas oil was compatible for based lubricant. The selection of process route by heuristic rule was based on some consideration. In this research, the route of process would be carried out by in situ epoxydation, hydroxylation used alcohol and heterogenous catalyst, esterification polyol used anhidric asetic acid and heterogenous catalyst.