

Kajian Peningkatan Skala Proses Peningkatan Karoten Minyak Sawit Kasar secara Kimia

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ABSTRAK

Palm oil contains very highly carotene than the other, i.e. equivalent with 60.000 IU vitamin A activities. β -carotene as one of micro components of palm oil has some biology activities functioning for human body. The optimal process of saponification carried out by mixing process KOH (in methanol) with palm oil on the speed of impeller 272.6 rpm for half hours. For extracting carotene, so water and hexane solution were dispersed into saponification phase on the speed of impeller 272.6 rpm during ten minutes. After hexane solution had been evaporated, the yield obtained contained total carotene to the amount of 18 307.70 ppm or concentrated 54.31 more than crude palm oil, i.e. to the one of 337.111 ppm.

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