

**Studi Penentuan Formulasi Pelarut Kimia untuk Ekstraksi  
Minyak Sawit Kaya akan  $\beta$ -Karoten**

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**ABSTRAK**

Palm oil is one of the major vegetable oil which has been used world wide and has red yellow carotenoid pigment. The concentration of  $\beta$ -carotene in palm oil is about 600-1000 ppm and has 100% activities of vitamin A. the best organic solvent formulation to extract palm oil with high concentration of  $\beta$ -carotene is hexane petroleum ether with ration 1:1. concentrated palm oil has a  $\beta$ -carotene average about 278.617 ppm. Palm oil with saponification process which has highest  $\beta$ -carotene could be used further to overcome vitamin A deficiency, to prevent cancer and coronary heart disease, and could replace damaged cells.

Muchtadi, T.R. dan E. Syamsir. 1994-1996. Studi Penentuan Formulasi Pelarut Kimia untuk Ekstraksi Minyak Sawit Kaya akan  $\beta$ -Karoten RUT II. Di dalam Kumpulan Abstrak Proyek Riset Unggulan Terpadu. Kantor Menteri Negara Riset dan Teknologi. 2000. Jakarta