

Renewable Polymer Synthesis from Sustainable Resources

ANIKA ZAFIAH MOHD RUS
Universiti Tun Hussein Onn Malaysia

ABSTRACT

Vegetable oils and fats are sustainable resources. Many activities from wider range of safe, renewable and biodegradable alternatives resources are to be used for better living environment. This includes a dozen crop plants that make up the main vegetable oil-seed market. Oils occur in small droplets within the plant cells and most abundant in seeds. The main constituent of these oils is saturated and unsaturated fatty acids that are unique to the plant in which they have been developed. Modern technology can produce more well defined and pure oils, and fatty acid contents in the vegetable oil can be altered with modern crop development techniques for foods and industrial purposes.

Keywords: *saturated, unsaturated fatty acids*