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Record 1 of 1**Title:** Rambutan (Nephelium lappaceum) Fats**Author(s):** Mirghani, MES (Mirghani, Mohamed Elwathig Saeed)**Edited by:** Ramadan MF**Source:** FRUIT OILS: CHEMISTRY AND FUNCTIONALITY **Pages:** 273-280 **DOI:** 10.1007/978-3-030-12473-1_12 **Published:** 2019**Times Cited in Web of Science Core Collection:** 0**Total Times Cited:** 0**Usage Count (Last 180 days):** 0**Usage Count (Since 2013):** 0**Cited Reference Count:** 23

Abstract: Rambutan (Nephelium lappaceum) fruit is rich in carbohydrates, lipids, phosphorus, vitamin C, niacin, iron, calcium, copper, protein and fiber. Rambutan seed kernel fat (RSKF) can be a promising alternative edible fat that has the potential to be used in the food industry, especially to replace hydrogenated fat. The main fatty acids in RSKF are arachidic acid (38.3%) and oleic acid (37.1%). These two fatty acids covered 75.7% of the total fatty acids. RSKF exhibited several nutritional, biological and health promoting effects. This chapter reports on the chemical composition and health promoting impacts of RSKF.

Accession Number: WOS:000560807800013**Language:** English**Document Type:** Article; Book Chapter**Author Keywords:** Arachidic acid; Sapindaceae; Kernel fat; Hydrogenated fat**KeyWords Plus:** L. KERNEL FAT; THERMAL-BEHAVIOR; SEED**Addresses:** [Mirghani, Mohamed Elwathig Saeed] Int Islamic Univ Malaysia IIUM, Kulliyah Engn, Dept Biotechnol Engn, Kuala Lumpur, Malaysia.**Corresponding Address:** Mirghani, MES (corresponding author), Int Islamic Univ Malaysia IIUM, Kulliyah Engn, Dept Biotechnol Engn, Kuala Lumpur, Malaysia.**E-mail Addresses:** elwathig@iium.edu.my**Publisher:** SPRINGER INTERNATIONAL PUBLISHING AG**Publisher Address:** GEWERBESTRASSE 11, CHAM, CH-6330, SWITZERLAND**Web of Science Categories:** Biochemistry & Molecular Biology; Food Science & Technology; Nutrition & Dietetics**Research Areas:** Biochemistry & Molecular Biology; Food Science & Technology; Nutrition & Dietetics**IDS Number:** BP6WM**ISBN:** 978-3-030-12473-1; 978-3-030-12472-4**Source Item Page Count:** 8**Book DOI:** 10.1007/978-3-030-12473-1**Output Date:** 2020-09-08

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