เอกสารอ้างอิง

กรมวิทยาศาสตร์การแพทย์. 2536. เอกสารแนบท้ายประกาศ เรื่อง เกณฑ์คุณภาพทางจุลชีววิทยาของอาหารและภาชนะสัมผัสอาหารสำหรับอาหารพร้อมบริโภค (ออนไลน์). สืบค้นจาก: http://www.dmsc.moph.go.th/webroot/BQSF/file/useful.htm (1 ธันวาคม 2552)

กฤติกา นรจิตร. 2548. คุณสมบัติของสารสกัดจากพืชวงศ์ขิง: อิทธิพลของวิธีการสกัดต่อการยับยั้งการเจริญเติบโตของเชื้อแบคทีเรียและการเป็นสารต้านอนุมูลอิสระ. วิทยานิพนธ์วิทยาศาสตรมหาบัณฑิต มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าธนบุรี.

กองสุขาภิบาลอาหาร สำนักอนามัย. 2552. เครื่องปรุงรสของไทย: คุณค่าต้องมาพร้อมความปลอดภัย (ออนไลน์). สืบค้นจาก: http://www.foodsafety.bangkok.go.th/new2/read_article.php?cat_id=4&txt_id=160 (11 กรกฎาคม 2552)

เกียรติคุณ สุทธจิตต์และไมตรี สุทธจิตต์. 2548. มหัศจรรย์แห่งพืชผักและผลไม้. สำนักวิทยาศาสตร์และเทคโนโลยี มหาวิทยาลัยนเรศวร วิทยาเขตสารสนเทศพะเยา.

คณาจารย์ภาควิชาวิทยาศาสตร์และเทคโนโลยีการอาหาร คณะอุตสาหกรรมเกษตร มหาวิทยาลัยเกษตรศาสตร์. 2539. วิทยาศาสตร์และเทคโนโลยีการอาหาร. สำนักพิมพ์มหาวิทยาลัยเกษตรศาสตร์.

เคล็ดลับสุขภาพ. 2550. ต้มข่าไก่ (ออนไลน์). สืบค้นจาก: http://www.healthnet.in.th/text/forum2/food/food-new%5B14%5D.htm (16 มิถุนายน 2550).

จงรักษ์ แก้วประสิทธิ์. 2552. พริกตอนที่ 3. สาขาเคมีสายวิทยาศาสตร์ คณะศิลปศาสตร์และวิทยาศาสตร์ มหาวิทยาลัยเกษตรศาสตร์.

จันทนา เวสพันธ์. 2552. การปนเปื้อนจุลินทรีย์ในสารสกัดและผลิตภัณฑ์จากธรรมชาติ (ออนไลน์). สืบค้นจาก: http://202.129.59.198/rdi/Present7.ppt (20 พฤศจิกายน 2552)

ชลลดา กุลสถาพร และอมรทิพย์ สมสุข. 2545. การศึกษาฤทธิ์ต้านเซลล์มะเร็งและฤทธิ์ต้านอนุมูลอิสระของตะไคร้. ภาควิชาเภสัชเวทและเภสัชพฤกษศาสตร์ คณะเภสัชศาสตร์ มหาวิทยาลัยสงขลานครินทร์.

ดรุณี ธนะนันท์กูล. 2543. เทคโนโลยีในการผลิตอาหาร. มหาวิทยาลัยรามคำแหง. กรุงเทพฯ.

ธีวินท์ นฤนาท. 2548. เสน่ห์เครื่องแกงไทยสดใสในต่างแดน. ว. สถาบันอาหาร 8(45): 55-59.

นงลักษณ์ สุวรรณพินิจ และปรีชา สุวรรณพินิจ. 2544. จุลชีววิทยาทั่วไป. พิมพ์ครั้งที่ 3. สำนักพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย. กรุงเทพฯ.

นิจศิริ เรืองรังษี. 2545. เครื่องเทศ. โรงพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย. กรุงเทพฯ.

นิธิยา รัตนาปนนท์. 2549. เคมีอาหาร. พิมพ์ครั้งที่ 2. โอ. เอส. พริ้นติ้ง เฮ้าส์. กรุงเทพฯ.

นุชรี ชาติวังศากุล. 2552. เครื่องต้มขำส้มแขกสำเร็จรูป: ผลของชนิดของบรรจุภัณฑ์และเทคนิคการบรรจุต่อการเปลี่ยนแปลงคุณภาพระหว่างการเก็บรักษา. วิทยานิพนธ์ วิทยาศาสตรมหาบัณฑิต. มหาวิทยาลัยสงขลานครินทร์.

บรรจบ ชุณหสวัสดิกุล. 2544. ป้องกันความเสื่อมโทรม เสริมสร้างความอ่อนเยาว์วิตามิน เอ.ซี.อี. สารต้านอนุมูลอิสระ. ถนนหนทาง. 58-60.

บรรณาธิการอุตสาหกรรมสาร. 2545a. บรรจุภัณฑ์พลาสติก. อุตสาหกรรม. 45: 46-51.

บรรณาธิการอุตสาหกรรมสาร. 2545b. บรรจุภัณฑ์ หัวใจแห่งความปลอดภัยของอาหาร. อุตสาหกรรมสาร. 45: 33-39.

บัญญัติ สุขศรีงาม. 2527. เครื่องเทศที่ใช้เป็นสมุนไพร เล่ม 2. อมรการพิมพ์. กรุงเทพฯ.

บุษกร อุตรภิชาติ. 2545. จุลชีววิทยาทางอาหาร. ภาควิชาชีววิทยา คณะวิทยาศาสตร์ มหาวิทยาลัยทักษิณ.

ปกิต กำบุญมา, นันทิยา มะโนศิลป์, สิรินันท์ คมขำ, ชนกพร เผ่าศิริ และฉวี เย็นใจ. ไม่ระบุปี. องค์ประกอบทางเคมี ฤทธิ์ทางชีวภาพและการปรับเปลี่ยนโครงสร้างของสารแคพไซซินและไดไฮโดรแคพไซซินจากพริก. คณะวิทยาศาสตร์ มหาวิทยาลัยขอนแก่น.

ปณัฐฐา ไชยมุติ. 2546. การทดสอบฤทธิ์ต้านอนุมูลอิสระของพืชสมุนไพร 7 ชนิด. วิทยานิพนธ์ วิทยาศาสตรมหาบัณฑิต. มหาวิทยาลัยสงขลานครินทร์.

ประสิทธ์ อติวีระกุล. 2527. เทคโนโลยีของผลไม้และผัก. ภาควิชาอุตสาหกรรมเกษตร คณะทรัพยากรธรรมชาติ มหาวิทยาลัยสงขลานครินทร์.

ประเสริฐ ประภานภสินธุ์. 2544. เปรียบเทียบเทคนิคการสกัดสารแคปไซซินในพริกพันธุ์ต่างๆ. วิทยานิพนธ์วิทยาศาสตรมหาบัณฑิต. มหาวิทยาลัยเกษตรศาสตร์.

ปราณี อ่านเปรื่อง. 2543. เอ็นไซม์ทางอาหาร. พิมพ์ครั้งที่ 3. โรงพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย. กรุงเทพฯ.

พงศักดิ์ ทรงพระนาม. 2547. อาหารไทย. บริษัท ซีเอ็ดยูเคชั่น จำกัด. กรุงเทพฯ.

มนัสวี เจี่ยศิริเจริญวงษ์, ยรยุช นนทรักษ์ และ อรุณศรี ลีจีรจำเนียร. 2546. ผลของการบรรจุแบบปรับสภาพบรรยากาศและแบบสุญญากาศต่อการเจริญของแบคทีเรียบางชนิดที่ปนเปื้อนในอาหาร. คณะวิศวกรรมศาสตร์และเทคโนโลยีอุตสาหกรรม. มหาวิทยาลัยศิลปากร.

มยุรี ภาคลำเจียก. 2544. เทคนิคการบรรจุหีบห่อ “เนื้อแดง”. สถาบันวิจัยวิทยาศาสตร์และเทคโนโลยีแห่งประเทศไทย. กระทรวงวิทยาศาสตร์และเทคโนโลยี. ค้นจาก http://www.tistr.or.th. (7 กันยายน 2550).

รัตนา อินทรานุปกรณ์. 2545. การตรวจสอบและสกัดแยกสารสำคัญจากพืชสมุนไพร. คณะเภสัชศาสตร์ มหาวิทยาลัยหัวเฉียวเฉลิมพระเกียรติ.

วราวุฒิ ครูส่ง. 2538. จุลชีววิทยาในกระบวนการแปรรูปอาหาร. โอ. เอส. พริ้นติ้ง เฮาส์. กรุงเทพฯ.

วัชรี หาญยิ่ง. 2549. อนุมูลอิสระและสารต้านอนุมูลอิสระในกลไกของการเกิดมะเร็ง. ว. วิทยาศาสตร์ มข. 34: 199-208.

วัลยา เนาวรัตน์วัฒนาและพัชรี บุญศิริ. 2542. โปรออกซิแดนท์: อีกโฉมหน้าของแอนติออกซิแดนท์. ว. วิทยาศาสตร์. 53(3): 196-198.

วิวัฒน์ หวังเจริญ. 2545. บทบาทของสารประกอบฟีนอลต่อสุขภาพ. อาหาร 32 (4): 245-253.

วิลาวัลย์ เจริญตระกูล. 2537. การเน่าเสียของอาหารเนื่องจากจุลินทรีย์. พิมพ์ครั้งที่ 1. คณะวิทยาศาสตร์ มหาวิทยาลัยสงขลานครินทร์.

วิไล รังสาดทอง. 2543. เทคโนโลยีการแปรรูปอาหาร. บริษัท แท็กซ์ แอนด์ เจอร์นัล พับลิเคชั่น จำกัด. กรุงเทพฯ.

วิไลลักษณ์ อิสระมงคลพันธุ์. 2549. อาหารไทยครบรส. บริษัท สำนักพิมพ์แม่บ้าน จำกัด. กรุงเทพฯ.

ศรีวัฒนา ทรงจิตสมบูรณ์, ปาจรีย์ อับดุลลากาซิม และสุรัตน์ โคมินทร์. 2548. สารต้านอนุมูลอิสระจำเป็นต่อร่างกายอย่างไร. หมอชาวบ้าน. 27: 27-31.

ศูนย์อัจริยะเพื่ออุตสาหกรรมอาหาร. 2552. อุตสาหกรรมเครื่องเทศเครื่องปรุงรส (ออนไลน์). สืบค้นจาก: http://fic.nfi.or.th/th/thaifood/product52-condiment.asp (11 กรกฎาคม 2552)

สถาบันการแพทย์แผนไทย. 2542. ไม้ริมรั้ว. โรงพิมพ์องค์การสงเคราะห์ทหารผ่านศึก. กรุงเทพฯ.

สมาคมภัตตาคารไทย. 2550. 10 อันดับอาหารไทยที่ต่างชาตินิยม (ออนไลน์). สืบค้นจาก: http://www.thairestaurantassociation.com/ (5 มิถุนายน 2550)

สำนักงานประมงจังหวัดสตูล. 2549. สภาวะการเพาะเลี้ยงกุ้งทะเล ปี 2548. ค้นจาก http://www.fisheries.go.th (7 กันยายน 2550).

สุจิรา อายุสุข. 2553. สมบัติการต้านออกซิเดชันและความคงตัวของเครื่องต้มข่า. วิทยานิพนธ์ วิทยาศาสตรมหาบัณฑิต. มหาวิทยาลัยสงขลานครินทร์.

สุพร นุชดำรงค์. 2549. อนุมูลอิสระ คุณและโทษต่อมนุษย์. ว. วิทยาศาสตร์ มข. 34: 97-102.

สุทธวัฒน์ เบญจกุลและไพรัตน์ โสภโณดร. 2544. บทปฏิบัติการ: การควบคุมตรวจสอบและปฏิบัติเกี่ยวกับสัตว์น้ำ. ภาควิชาเทคโนโลยีอาหาร. คณะอุตสาหกรรมเกษตร. มหาวิทยาลัยสงขลานครินทร์. หน้า 47-50.

สุทธวัฒน์ เบญจกุล. 2548. เคมีและคุณภาพสัตว์น้ำ. สำนักพิมพ์โอเดียนสโตร์. กรุงเทพฯ.

สุทธวัฒน์ เบญจกุล. 2554. เคมีและคุณภาพสัตว์น้ำ. พิมพ์ครั้งที่ 2. กรุงเทพฯ: สำนักพิมพ์โอเดียนสโตร์. 146 หน้า.

สุมณฑา วัฒนสินธุ์. 2537. ความรู้เกี่ยวกับอันตรายในอาหาร. *ใน* ความปลอดภัยของอาหาร (การใช้ระบบ HACCP) หน้า 90-118. สำนักพิมพ์ ส.ส.ท. (สมาคมส่งเสริมเทคโนโลยี (ไทย-ญี่ปุ่น). กรุงเทพฯ.

สุมณฑา วัฒนสินธุ์. 2545. จุลชีววิทยาทางอาหาร. โรงพิมพ์ มหาวิทยาลัยธรรมศาสตร์. กรุงเทพฯ.

สุวิมล กีรติพิบูล. 2546. จุลินทรีย์กับการควบคุมสุขลักษณะการผลิตในโรงงานอุตสาหกรรมอาหาร. สำนักพิมพ์ ส.ส.ท. (สมาคมส่งเสริมเทคโนโลยี ไทย-ญี่ปุ่น). กรุงเทพฯ.

เสก อักษรานุเคราะห์. 2546. อนุมูลอิสระจากการออกกำลังกาย. จุฬาลงกรณ์เวชสาร. 47: 139-148.

อาทินันท์ ประสมพงศ์. 2546. เทคนิคการเลี้ยงกุ้งขาว หรือ วานาไม. ค้นจาก http://www.nicaonline.com. (7 กันยายน 2550).

อาสีนะ หมัดเจริญ. 2547. ผลของสารประกอบฟอสเฟตต่อคุณภาพและสมบัติกล้ามเนื้อของกุ้งกุลาดำ. วิทยานิพนธ์วิทยาศาสตรมหาบัณฑิต. มหาวิทยาลัยสงขลานครินทร์.

อบเชย วงศ์ทอง และขนิษฐา พูนผลกุล. 2545. หลักการประกอบอาหาร. ภาควิชาคหกรรมศาสตร์ คณะเกษตร มหาวิทยาลัยเกษตรศาสตร์.

อรตรี รอดเจริญ. 2542. การแยกเชื้อและลักษณะของเชื้อ *Pediococcus* spp. จากอาหารหมักดองพื้นบ้านภาคใต้ของไทย. วิทยานิพนธ์วิทยาศาสตรมหาบัณฑิต. มหาวิทยาลัยสงขลานครินทร์.

Adegoke, G. O. and Odesola, B. A. 1996. Storage of maize and cowpea and inhibition of microbial agents of biodeteroration using the powder and essential oil of lemom grass (*Cymbopogon citratus*). Int. Biodeter. Biodegr. 37: 81-84.

Adeneye, A. A. and Agbaje, E. O. 2007. Hypoglycemic and hypolipidemic effects of fresh leaf aqueous extract of *Cymbopogon citratus Stapf.* in rats. J. Ethnopharmacol. 112: 440-444.

Akhtar, M. S., Khan, M. A. and Malik, M. T. 2002. Hypoglycaemic activity of *Alpinia galanga* rhizome and its extracts in rabbits. Fitoterapia. 73: 623-628.

Alemela, L., Nieto-Snadoval, J. M. and Lopez, F. J. A. 2002. Microbial inactivation of parika by a high temperature shrot-x time treatment. Influence on color properties. J. Agric. Food Chem. 50: 1435-1440.

Amorati, R., Pedulli, G. F., Cabrini, L., Zambonin, L. and Landi, L. 2006. Solvent and pH effects on the antioxidant activity of caffeic and other phenolic acids. J. Agric. Food Chem. 54: 2932-2937

A.O.A.C. 1999. Official Analytical Chemists. 16th ed. The Association of Official Analytical Chemists. Inc. Washington, DC.

Arabshahi-Delouee, S., Devi, D. V. and Urooj, A. 2007. Evaluation of antioxidant activity of some plant extracts and their heat, pH and storage stability. Food Chem. 100: 1100-1105.

Arambewelaa, L. S. R., Pereraa, A. and Wijesunderab, R. L. C. 1999. Antibacterial activity of *Kaempheria galangal*. Fitoterapia. 70: 425-427.

Arias, R., Lee, T. C., Logendra, L. and Janes, H. 2000. Correlation of lycopene measured by HPLC with the L*, a*, b* color readings of a hydroponic tomato and the relationship of maturity with color and lycopene content. J. Agric. Food Chem. 48: 1697-1702.

Arnao, M. B., Cano, A. and Acosta, M. 2001. The hydrophilic and lipophilic contribution to total antioxidant activity. Food Chem. 73: 239-244.

Arritt, F. M. 2004. The Effects of Modified Atmosphere Packaging on Toxin Production by *Clostridium botulinum* in Raw Aquacultured Flounder Fillets and Fully Cooked Breaded and Battered Pollock Portions. Doctor of Philosophy in Food Science and Technology. Virginia.

Arts, I. C. W. and Hollman, P. C. H. 1998. Optimization of a quantitative method for the determination of catechins in fruits and legumes. J. Agric. Food Chem. 46: 5156-5162.

Axelssona, L. 2004. Lactic Acid Bacteria: Classification and Physiology. *In* Lactic Acid Bacteria Microbiological and Functional Aspects. 3rd ed. (Salminen, S., Wright, A. and Ouwehand, A., eds). p. 1-66. Marcel Dekker. New York.

Aycicek, H., Oguz, U. and Karci, K. 2006. Determination of total aerobic and indicator bacteria on some raw eaten vegetables from wholesalers in Ankara, Turkey. Int. J. Hyg. Envir. Heal. 209: 197–201.

Babji, A. S., Froning, G. W. and Ngoka, D. A. 1982. The effect of Short-term tumbling and salting on the quality of turkey breast muscle. Poultry Sci. 61: 300-303.

Bacteriological Analytical Manual. 2001. U. S. Department of Health and Human Service. U. S. Food and Drug Administration Center of Food Safety and Applied Nutrition.

Bahorun, T., Luximon-Ramma, A., Crozier, A. and Aruoma, O. I. 2004. Total phenol, flavonoid, proanthocyanidin and vitamin C levels and antioxidant activities of Mauritian vegetables. J. Sci. Food Agric. 84: 1553-1561.

Banerjee, M and Sarkar, P. K. 2003. Microbiological quality of some retail spices in India. Food Res. Int. 36: 469-474.

Barbut, S. 1993. Colour measurements for evaluating the pale soft educative (PSE) occurrence in turkey meat. Food Res. Int. 26: 39-43.

Bartolome, A. P., Ruperez, P. and Fuster, C. 1995. Pineapple fruit: morphological characteristics, chemical composition and sensory analysis of Red Spanish and Smooth Cayenne cultivars. Food Chem. 53: 75-79.

Baydar, H., Sagdic, O., Ozkan, G. and Karadogan, T. 2004. Antibacterial activity and composition of essential oils of Origanum, Thymbra and Sajureja species with commercial importance in Turkey. Food Control. 15: 169-172.

Baylis, C. L. 2006. Enterobacteriaceae. *In* Food Spoilage Microorganisms. (Blackburn, C.W., ed.). p. 624-659. CRC Press LLC. New York.

Benavente-Garcia, O., Castillo, J., Marin, F. R., Ortuno, A. and Del Rio, J. A. 1997. Uses and properties of citrus flavonoids. J. Agric. Food Chem. 45: 454-451.

Bendjeddou, D., Lalaoui, K. and Satta, D. 2003. Immunostimulating activity of the hot water-soluble polysaccharide extracts of *Anacyclus pyrethrum*, *Alpinia galanga* and *Citrullus colocynthis*. J. Ethnopharmacol. 88: 155-160.

Bengoechea, M. L., Sancho, A. I., Bartolome, B., Estrella, I., Gomez-Cordoves, C. and Hernandez, T. 1997. Phenolic composition of industrially manufactured purees and concentrates from peach and apple fruits. J. Agric. Food Chem. 45: 4071-4075.

Benjakul, S., Visessanguan, W., Phongkanpai, V. and Tanaka, M. 2005. Antioxidant activity of caramelisation products and their preventive effect on lipid oxidation in fish mince. Food Chem. 90: 231-239.

Benzie, I. F. F. and Strain, J. J. 1996. The ferric reducing ability of plasma (FRAP) as a measure of ‘‘Antioxidant Power’’: The FRAP Assay. Anal. Biochem. 239: 70-76.

Berge, P., Ertbjerg, P., Larsen, L. M., Astruc, T., Vignon, X. and Moller, A. J. 2001. Tenderization of beef by lactic injected at different times post mortem. Meat Sci. 57: 347-357.

Berhow, M. A., Fong, C. H. and Hasegawa, S. 1996. Limonoid and flavonoid composition in varieties of papeda and papedocitrus. Biochem. Syst. Ecol. 24: 237-242.

Berke, T. G. and Shieh, S. C. 2001. Capsicum, Chillies, Parpikas, Bird’s Eye Chili. *In* Hand Book of Herbs and Spices. (Peter, K. V., ed). p. 111-112. Woodhead Publishing Limited. Cambridge.

Binsan, W. 2007. Antioxidative Activity of Mungoong, an Extract Paste, from White Shrimp (*Litopenaeus vannamei*) Cephalothorax. Degree of master of science in food technology. Prince of Songkla University.

Binsan, W., Benjakul, S., Visessanguan, W., Roytrakul, S., Tanaka, M. and Kishimura, H. 2008. Antioxidative activity of Mungoong, an extract paste from the cephalothorax of white shrimp (*Litopenaeus vannamei*). Food Chem. 106: 185-193.

Buettner, G. R. 1993. The pecking order of free radical and antioxidant: lipid peroxidation, α-tocopherol and ascorbate. Arch. Biochem. Biophys. 300: 535-543.

Burda, S. and Oleszek, W. 2001. Antioxidant and antiradical activities of flavonoids. J. Agric. Food Chem. 49: 2774-277.

Cacace, J. E. and Mazza, G. 2003. Mass transfer process during extraction of phenolic compounds from milled berries. J. Food Eng. 59: 379-389.

Cadun, A., Cakli, S., and Kisla, D. 2005. A study of marination of deepwater pink shrimp (Parapenaeus longirostris, Lucas, 1846) and its shelf life. Food Chem. 90: 53-59.

Cai, Y., Luo, Q., Sun, M. and Harold, C. 2004. Antioxidant activity and phenolic compounds of 112 traditional Chinese medicinal plants associated with anticancer. Life Sci. 74: 2157-2184.

Castenmiller, J. J. M., Linssen, J. P. H., Heinonen, I. M., Hopia, A. I., Schwarz, K., Hollmann, P. C. H. and West, C. E. 2002. Antioxidant properties of differently processed spinach products. Nahrung. 46: 290-293.

Cheah, P. B. and Hasim, N. H. A. 2000. Natural antioxidant extract from galangal (*Alpinia galanga*) for minced beef. J. Sci. Food Agr. 80: 1565-1571.

Cheel, J., Theoduloz, C., Rodriaguez, J. and Schmeda-Hirschmann, G. 2005. Free radical scavengers and antioxidants from lemongrass (*Cymbopogon citratus* (DC.) Stapf.). J. Agric. Food Chem. 53: 2511-2517.

Chen, G. and Xiong, Y. L. 2008. Shelf-stability enhancement of precooked red claw crayfish (*Cherax quadricarinatus*) tails by modified $CO_2/O_2/N_2$ gas packaging. LWT. 41: 1431-1436. Available online at www.sciencedirect.com.

Chen, Q., Shi, H. and Ho, C. T. 1992. Effects of rosemary extracts and major constituents on lipid oxidation and soy bean lipoxygenase activity. J. Am. Oil. Chem. Soc. 69: 999-1002.

Cheret, R., Delbarre-Ladrat, C., Lamballerie-Anton, M., and Verrez-Bagnis, V. 2007. Calpain and cathepsin activities in post mortem fish and meat muscles. Food Chem. 101: 1474-1479.

Ching, L. S. and Mohamed, S. 2001. Alpha-tocopherol content in 62 edible tropical plants. J. Agric. Food Chem. 49: 3101-3105.

Choi, H. S., Song, H. S., Ukeda, H. and Sawamura, M. 2000. Radical scavenging activities of citrus essential oils and their components: Detection using 1,1-diphenyl-2-picrylhydrazyl. J. Agric. Food Chem. 48: 4156-4161.

Chu, Y. H., Chang, C. L. and Hsu, H. F. 2000. Flavonoid content of several vegetables and their antioxidant activity. J. Sci. Food Agric. 80: 561-566.

Chuah, A. M., Lee, Y. C., Yamaguchi, T., Takamura, H., Yin, L. J. and Matoba, T. 2008. Effect of cooking on the antioxidant properties of coloured peppers. Food Chem. 111: 20-28.

Chyau, C. C., Tsaib, S. Y., Kob, P. T. and Maub, J. L. 2002. Antioxidant properties of solvent extracts from *Terminalia catappa* leaves. Food Chem. 78: 483-488.

Concellon, A., Anon, M. C. and Chaves, A. R. 2004. Characterization and changes in polyphenol oxidase from eggplant fruit (*Solanum melongena* L.) during storage at low temperature. Food Chem. 88: 17-24.

Conway, E. J. and Byrne, A. 1936. An absorpotion apparatus for the micro-determination of certain volatile substances. I The micro-determination of ammonia. J. Biochem. 27: 413-529.

Crawford, M. J. 2000. Fighting Free Radicals: Antioxidants to the Rescue. Healthy & Natural. 7: 38.

Croft, K. D. 1999. Antioxidant Effects of Plant Phenolic Compounds. *In* Antioxidants in Human Health and Disease. (Basu, T. K., Temple, N. J. and Gargp, M. L., eds.). p. 109-121. CABI pub. New York.

Crozier, A., Lean, M. E. J., McDonald, M. S. and Black, C. 1997. Quantitative analysis of the flavonoid content of commercial tomatoes, onions, lettuce, and celery. J. Agric. Food Chem. 45: 590-595.

Crozier, A., Jaganath, I. B. and Clifford, M. N. 2006. Phenols, Ppolyphenols and Tannins: an Overview. *In* Plant Secondary Metabolites: Occurrence, Structure and Role in the Human Diet. (Crozier, A., Clifford, M. N. and Ashihara, H., eds). p. 1-24. Blackwell Publishing, Ltd. UK.

Daferera, D. J., Ziogas, B. N. and Polissiou, M. G. 2000. GC-MS analysis of essential oils from Greek aromatic plants and their fungitoxicity on *Penicillum digitatum*. J. Agric. Food Chem. 48: 2576-2581.

Daood, H. G., Vinkler, M., Markus, F., Hebshi, E. A. and Biacs, P. A. 1996. Antioxidant vitamin content of spice red pepper (paprika) as affected by technological and varietal factors. Food Chem. 55: 365-372.

Davidson, P. M. 1997. Chemical Preservatives and Natural Antimicrobial Compounds. *In* Food Microbiology: Fundamentals and Frontiers. (Doyle, M. P., Beuchat, L. R. and Montville, T. J., eds.). A. S. M. Press. Washington D. C. USA.

Dorantes, L, Colmenero, R., Hernandez, H., Mota, L., Jaramillo, M. E. , Fernandez, E., Solano, C. 2000. Inhibition of growth of some foodborne pathogenic bacteria by *Capsicum annum* extracts. Int. J. Food. Microbiol. 57: 125-128.

Du, G., Li, M., Ma, F. and Liang, D. 2009. Antioxidant capacity and the relationship with polyphenol and vitamin C in *Actinidia* fruit. Food Chem. 113: 557-562.

Duangmal, K. and Apenten, R. K. O. 1999. A comparative study of polyphenoloxidases from taro (*Colocasia esculenta*) and potato (*Solanum tuberosum* var. Romano). Food Chem. 64: 351-359.

Dumri, K. 2001. Study on the Pro-oxidative Activity in Thai spices. Master's degree (Biotechnology). Mahidol University.

Durling, N. E., Catchpole, O. J., Grey, J. B., Webby, R. F., Mitchell, K. A., Foo, L. Y. and Perry, N. B. 2007. Extraction of phenolics and essential oil from dried sage (*Salvia officinalis*) using ethanol-water mixtures. Food Chem. 101: 1417-1424.

Dziezak, J. D. 1990. Phosphates improve many foods. Food Technol. 44: 80-92.

Egan, H., Kirk, R.S. and Sawyer, R. 1981. Pearson's Chemical Analysis of Foods. London: Churchill Livingstone.

Elbe, J. H. 1996. Colorants. *In* Food Chemistry. 3rd ed. (Fennema, O.R., ed.). p. 651-722. Mercel Dekker. New York.

Elliott, R. P., Straka, R. P. and Garibaldi, J. A. 1964. Polyphosphate inhibition of growth of pseudomonads from poultry meat. J. Appl. Microbiol. 12: 517-522.

Endo, Y., Usuki, R. and Kaneda, T. 1985. Antioxidant effects of chlorophyll and pheophytin on the autooxidation of oils in the dark. II. The mechanism of antioxidative action of chlorophyll. J. Am. Oil Chem Soc. 62: 1387- 1390.

Engelberth, J. 2006. Secondary Metabolites and Plant Defense. *In* Plant Physiology. 4th ed. (Taiz, L, and Zeiger, E., eds.). p. 315-341. Inc. Publishers. Sunderland, Massachusetts.

Eriksson, C. E. and Na, A. 1995. Antioxidant agents in raw materials and processed foods. Biochem. Soc. Symp. 61: 221-234.

Fellows, P. 2000. Packaging. *In* Food Processing Technology: Principles and Practice. 2nd ed. (Fellows, P., ed) p. 462-510. Woodhead Publishing Limited. England.

Fernandez-Orozco, R., Frias, J., Munoz, R., Zielinski, H., Piskula, M. K., Kozlowska, H. and Vidal-Valverde, C. 2008. Effect of fermentation conditions on the antioxidant compounds and antioxidant capacity of *Lupinus angustifolius* cv. *zapaton*. Eur. Food Res. Technol.: 227:979-988.

Ferruzzi, M. G., Bohm, V., Courtney, P. D. and Schwartz, S. J. 2002. Antioxidant and antimutagenic activity of dietary by radical scavenging and bacterial reverse mutagenesis assays. J. Food Sci. 67: 2589-2595.

Ferruzzi, M. G. and Blakeslee, J. 2007. Digestion, absorption, and cancer preventative activity of dietary chlorophyll derivatives. Natural Res. 27: 1-12.

Ficker, C. E., Smith, M. L., Susiarti, S., Leamanb, D. J., Irawati, C. and Arnason J. T. 2003. Inhibition of human pathogenic fungi by members of Zingiberaceae used by the Kenyah (Indonesian Borneo). J. Ethnopharmacol. 85: 289-293.

Figueirinha, A., Paranhos, A., Perez-Alonso, J. J., Santos-Buelga, C. and Batista, M. T. 2008. *Cymbopogon citratus* leaves: Characterisation of flavonoids by HPLC-PDA-ESI/MS/MS and an approach to their potential as a source of bioactive polyphenols. Food Chem. 110: 718-728.

Frankel, E. N., Bosanek, C. A., Meyer, A. S., Silliman, K. and Kirk, L. L. 1998. Commercial grape juices inhibit the in vitro oxidation of human low-density lipoproteins. J. Am. Oil. Chem. Soc. 46: 834-838.

Friedman, M. and Jürgens, H. S. 2000. Effect of pH on the stability of plant phenolic compounds. J. Agric. Food Chem. 48: 2101-2110.

Fogliano, V., Verde, V., Randazzo, G. and Ritieni, A. 1999. Method for measuring antioxidant activity and its application to monitoring the antioxidant capacity of wines. J. Agric. Food Chem. 47: 1035-1040.

Fukumoto, L. R. and Mazza, G. 2000. Assessing antioxidant and prooxidant activities of phenolic compounds. J. Agric. Food Chem. 48: 3597-3604.

Gao, X., Ohlander, M., Jeppsson, N., Bjork, L. and Trajkovski, V. 2000. Changes in antioxidant effects and their relationship to phytonutrients in fruits of sea buckthorn (*Hippophae rhamnoides* L.) during maturation. J. Agric. Food Chem. 48: 1485-1490.

Garbutt, J. 1997. Essentials of Food Microbiology. A Menber of Hodder Headline Group. London.

Garver, K. I. and Muriana, P. M. 1993. Detection, identification and characterization of bacteriocin-producing lactic acid bacteria from retail food products. Int. J. Food Microbiol. 19: 241-258.

Gazzani, G., Papetti, A., Massolini, G. and Daglia, M. 1998. Anti- and prooxidant activity of water soluble components of some common diet vegetables and the effect of thermal treatment. J. Agric. Food Chem. 48: 4118-4122.

Gertenbach, D. D. 2002. Solid-Liquid Extraction Technologies for Manufacturing Nutraceuticals. *In* Functional Foods: Biochemical and Processing Aspects. Vol. II. (Shi, J., Mazza, G. and Maguer, M. L., eds.). p. 331-366. CRC Press LLC. New York.

Gökglu, N., Cengiz, E. and Yerlikaya P. 2004. Determination of the shelf life of marinated sardine (*Sardina pilchardus*) stored at 4°C. Food Control.15: 1-4.

González-Montelongo, R., Gloria Lobo, M. and González, M. 2010. Antioxidant activity in banana peel extracts: Testing extraction conditions and related bioactive compounds. Food Chem. 3: 1030-1039.

Gordon, M. H. 2001. The Development of Oxidative Rancidity in Foods. *In* Antioxidants in Food Practical Applications. 1st ed. (Pokorny, J., Yanishlieva-Maslarova, N. and Gordon, M., eds). p. 7-21. CRC Press LLC. New York. and Woodhead Publishing limited. England.

Gourmetthai. 2007. Tom-kha kai (Online). Available: http://www.gourmetthai.com/Recipes/Content.asp?ID=88 (17 June 2007).

Gregory, J. F. 1996. Vitamins. *In* Food Chemistry. 3rd ed. (Fennema, O. R., Ed.). p. 531-616. Dekker. New York.

Hall, C. 2001. Sources of Natural Antioxidants: Oilseeds, Nuts. Cereals, Legumes, Animal Products and Microbial Sources. *In* Antioxidants in Food Practical Applications. 1st ed. (Pokorny, J., Yanishlieva, N. and Gordon, M. eds.). p. 147-158. CRC Press LLC. New York. and Woodhead Publishing limited. England.

Halliwel, B. 1999. Antioxidant defence mechanisms: From the beginning to the end (of the beginning). Free Radical Res. 31: 261-272.

Hamama, A. A. and Nawar, W. W. 1991. Thermal decomposition of some phenolic antioxidants. J. Agric. Food Chem. 39: 1063-1069.

Heard, G. M. 2002. Microbiology of Fresh-Cut Produce. *In* Fresh-Cut Fruits and Vegetables: Science, Technology, and Market. (Lamikanra, O., ed.). p. 187-248. CRC Press LLC. USA.

Hogg, J. S., Lohmann, D. H. and Russell, K. E. 1961. The kinetics of reaction of 2,2-diphenyl-1-picrylhydrazyl with phenols. Can. J. Chem. 39: 1588-1594.

Hojnik, M., Skerget, M. and Knez, Z. 2007. Isolation of chlorophylls from stinging nettle (*Urtica dioica* L.). Sep. Purif. Technol. 57: 37-46.

Hopia, A. and Heinonen, M. 1999. Antioxidant activity of flavonol aglycones and their glycosides in methyl linoleate. J. Am. Oil Chem. Soc. 76:139-144.

Hornero-Mendez, D., Gomez-Ladron, R. and Minguez-Mosquera, M. I. 2000. Carotenoid biosynthesis changes in five red pepper (*Capsicum annuum* L.) cultivars during ripening. Cultivar selection for breeding. J. Agri. Food Chem. 48: 3857-3864.

Hoshina, C., Tomita, K. and Shioi, Y. 1998. Antioxidant activity of chlorophylls its structure activity relationship. Photo Mechanic Effects. 4: 3281-3284.

Hourant, P. 2004. General Properties of the Alkaline Phosphate: Major Food and technical Applications. Phosphorus Bulletin. 15: 85-94.

Howard, L. R., Talcott, S. T., Brenes, C. H. and Villalon, B. 2000. Changes in phytochemical and antioxidant activity of selected pepper cultivars (*Capsicum* species) as infuenced by maturity. J. Agric. Food Chem. 48: 1713-1720.

Hu, R. 1999. Food Product Design: A Computer-aid Statistical Approach. Technomic Rublishing Co., Inc. Pennsylvania.

Hutadilok-Towatana, N., Chaiyamutti, P., Panthong, K., Mahabusarakam, W. and Rukachaisirikul, V. 2006. Antioxidative and free radical scavenging activities of some plants used in Thai folk medicine. Pharm. biol. 44(3): 221-228.

Iorizzi, M., Lanzotti, V., DeMario, S., Zollo, F., Blanco-Molina, M., Macho, A. and Munoz, E. 2001. New glycosides from *Capsicum annuum* L. var. *acuminatum*. Isolation, structure determination and biological activity. J. Agric. Food Chem. 49: 2022-2029.

Ittah, Y., Kanner, J. and Granit, R. 1993. Hydrolysis study of carotenoid pigment of paprika (*Capsicum ann*um L. variety Lehava) by HPLC/photodiode array detection. J. Agric. Food Chem. 41: 899-901.

Jackman, R. L. and Smith, J. L. 1996. Anthocyanins and Betalains. *In* Natural Food Colorants. 2nd ed. (Hendry, G. A. F. and Houghton, J. D., eds.). p. 244-309. Blackie Academic & Professional. UK.

Jadhav, S. J., Nimbalkar, S. S., Kulkarni, A. D. and Madhavi, D. L. 1995. Lipid Oxidation in Biological and Food Systems. *In* Food Antioxidants: Technological, Toxicological, and

Health Perspectives. (Madhavi, D. L., Deshpande, S. S. and Salunkhe, D. K., eds.) p. 5-53. Marcel Dekker, Inc. New York.

Jantan, I. B., Ahmad, F. B. and Ahmad, A. S. 2004. Constituents of the rhizome and seed oils galangal *Alpinia galangal* (L) from Malaysia. J. Essent. Oil Res. 16: 174-176.

Jantan, I., Rafi, I. A. A. and Jalil, J. 2005. Platelet-activating factor (PAF) receptor-binding antagonist activity of Malaysian medicinal plants. Phytomedicine 12: 88-92.

Jayaprakasha, G. K., Girennavar, B. and Patil, B. S. 2008. Antioxidant capacity of pummelo and navel oranges: Extraction efficiency of solvents in sequence. Lebensm. Wiss. Technol. 41: 376-384.

Jensen, J. M., Robbins, K. L., Ryan, K. J., Homco-Ryan, C., McKeith, F. K. and Brewer, M. S. 2003. Effect of lactic and acetic acid salts on quality characteristics of enhanced pork during retail display. Meat Sci. 63: 501-508.

Jeong, S. M., Kim, S. Y., Kim, D. R., Jo, S. C., Nam, K. C., Ahn, D. U. and Lee, S. C. 2004. Effect of heat treatment on the antioxidant activity of extracts from citrus peels. J. Agric. Food Chem. 52: 3389-3393.

Jimenez-Escrig, A., Rincon, M., Pulido, R. and Saura-Calixto, F. 2001. Guava fruit (*Psidium guajava* L.) as a new source of antioxidant dietary fiber. J. Agric. Food Chem. 49: 5489-5493.

Jirovetz, L., Buchbauer, G., Shafj, M. P. and Leela, N. K. 2003. Analysis of the essential oils of the leaves, stems, rhizomes and roots of the medicinal plant *Alpinia galanga* from southern India. Acta Pharm. 53: 73-81.

Julsrigival, J., Chansakaow, S., Vajabhikul, S., and Chaiyasut, C. 2006. Antiradical activity of volatile oil and extract from Thai *Zingiberaceous* plants. Department of Pharmaceutical Sciences, Faculty of Pharmacy. Chiang Mai University. Chiang Mai.

Juntachote, T., and Berghofer, E. 2005. Antioxidative properties and stability of ethanolic extracts of holy basil and galangal. Food Chem. 92: 193-202.

Juntachote, T., Berghofer, E., Siebenhandl, S. and Bauer, F. 2006a. The antioxidative properties of holy basil and galangal in cooked ground pork. Meat Sci. 72: 446-456.

Juntachote, T., Berghofer, E., Bauer, F. and Siebenhandl, S. 2006b. The application of response surface methodology to the production of phenolic extracts of lemon grass, galangal, holy basil and rosemary. J. Food Sci. Tech. 41: 121-133.

Juntachote, T., Berghofer, E., Siebenhandl, S. and Bauer, F. 2007. The effect of dried galangal powder and its ethanolic extracts on oxidative stability in cooked ground pork . Lebensm. Wiss. Technol. 40: 324-330.

Kahkonen, M. P., Hopia, A. I., Vuorela, H. J., Rauha, J. P., Pihlaja, K., Kujala, T. S. and Heinonen, M. 1999. Anioxidant activity of plant extracts containing phenolic compounds. J. Agric. Food Chem. 47: 3954-3962.

Katina, K., Liukkonen, K. H., Kaukovirta-Norja, A., Adlercreutz, H., Heinonen, S. M., Lampi, A. M., Pihlavad, J. M. and Poutanen, K. 2007. Fermentation-induced changes in the nutritional value of native or germinated rye. J. Cereal Sci. 46: 348-355.

Katsube, T., Tsurunaga, Y., Sugiyama, M., Furuno, T. and Yamasaki, Y. 2009. Effect of air-drying temperature on antioxidant capacity and stability of polyphenolic compounds in mulberry (*Morus alba* L.) leaves. Food Chem. 113: 964-969.

Kerth, C. R., Miller, M. F. and Ramsey, C. B. 1995. Improvement of beef Tenderness and quality trails with calcium chloride injection in beef loins 48 hours postmortem. J. Anim. Sci. 73: 750-756.

Khattaka, S., Rehmana, S., Shahb, H. U., Ahmadc,W. and Ahmadd, M. 2005. Biological effects of indigenous medicinal plants *Curcuma longa* and *Alpinia galangal*. Fitoterapia. 76: 254-257.

Kidmose, U., Edelenbos, M., Norbeak, R. and Christensen, L. P. 2000. Colour Stability in Vegetables. *In* Colour in Food**:** Improving Quality**.** (MacDougall, D. B., ed). p. 179-218. Woodhead Publishing Limited and CRC Press, LLC. USA.

Kilinc, B. and Cakli, S. 2004. Chemical, microbiological and sensory changes in thawed frozen fillets of sardine *(Sardina pilchardus*) during marination. Food Chemistry 88: 275-280.

Kim, M. C. and Pratt, D. E. 1992. Thermal Degradation of Phenolic Antioxidants. *In* Phenolic Compounds in Food and Their Effects on Health II: Antioxidation & Cancer Prevention. (Huang, M. T., Ho, C. T. and Lee, C. Y., eds.). p. 200-218. American Chemical Society, Washington, D. C.

Klimczak, I., Malecka, M., Szlachta, M. and Gliszczynska-Swiglo, A. 2007. Effect of storage on the content of polyphenols, vitamin C and the antioxidant activity of orange juices. J. Food Compos. Anal. 20: 313-322.

Koleva, I. I., van Beek, T. A., Linssen, J. P. H., de Groot, A., and Evstatieva, L. N. 2002. Screening of plant extracts for antioxidant activity: a comparative study on three testing methods. Phytochem. Analysis. 13: 8-17.

Kondo, K., Kurihara, M., Fukuhara, K., Tanaka, T., Suzuki, T., Miyata, N. and Toyoda, M. 2000. Conversion of procyandin B-type (catechin dimmer) to A-type: evidence for abstraction of C-2 hydrogen in catechin during radical oxidation. Terahedron Lett. 41: 485-488.

Koohmaraie, M. 1996. Biochemical factors regulating the toughening and tenderization processes in meat. Meat Sci. 43: 193-201.

Kubota, K, Nakamura, K.. and Kobayashi, A. 1998. Acetoxy-1,8-cineoles as aroma constituents of *Alpinia galangal* Willd. J. Agric. Food Chem. 46: 5244-5247.

Kubota, K., Someya, Y., Yoshida, R., Kobayashi, A., Morita, T. and Koshino, H. 1999. Enantiomeric purity and odor characteristics of 2- and 3-acetoxy-1,8-cineoles in the rhizomes of *Alpinia galangal* Willd. J. Agric. Food Chem. 47: 685-689.

Kulisic, T. Radonic, A., Katalinic, V., and Milos, M. 2004. Use of different methods for testing antioxidative activity of oregano essential oil. Food Chem. 85: 633-640.

Lafka, T., Sinanoglou, V. and Lazos, E. 2007. On the extraction and antioxidant activity of phenolic compounds from winery wastes. Food Chem. 104: 1206-1214.

Lamikanra, O. 2002. Enzymatic Effects on Flavor and Texture of Fresh-Cut Fruits and Vegetables. *In* Fresh-Cut Fruits and Vegetables: Science, Technology, and Market. (Lamikanra, O., ed). p. 125-187. CRC Press, LLC. USA.

Larrauri, J. A., Ruperez, P. and Saura-Calixto, F. 1997. Effect of drying temperature on the stability of polyphenols and antioxidant activity of red grape pomace peels. J. Agric. Food Chem. 45: 1390-1393.

Lean, L. P. and Mohamed, S. 1999. Antioxidative and antimycotic effects of turmeric, lemon-grass, betel leaves, clove, black pepper leaves and Garcinia atriviridis on butter cakes. J Sci. Food Agric. 79: 1817-1822.

Lee, C. C. and Houghton, P. 2005. Cytoxicity of plants from Malaysia and Thailand used traditionally to treat cancer. J. Ehtopharmacol. 100: 237-243.

Lee, S. Y. and Baek, S. Y. 2008. Effect of chemical sanitizer combined with modified atmosphere packaging on inhibiting *Escherichia coli* O157:H7 in commercial spinach. Food Microbiology 25: 582-587.

Lee, Y., Howard, L. R. and Villalon, B. 1995. Flavonoids and antioxidant activity of fresh pepper (*Capsicum annuum*) cultivars. J. Food Sci. 60: 473-476.

Lee, J. H. and Schwartz, S. J. 2005. Analysis of Carotenoids and Chlorophylls in Foods. *In* Methods of Analysis of Food Components and Additives. (Otles, S., ed). Taylor & Francis Group, LLC. USA.

Lemos, A. L. S. C., Nunes, D. R. M., and Viana, A. G. 1999. Optimization of the still-marinating process of chicken parts. Meat Sci. 52: 227-234.

Leong, L. P. and Shui, G. 2002. An investigation of antioxidant capacity of fruits in Singapore market. Food Chem. 76: 69-75.

Li-E, J., Qing, C. and Ke-Chang, X. 2008. Antioxidant activities and composition of extracts from chili. Int. J. Food Sci Tech. 43: 666-672.

Lien, E. J., Ren, S., Bui, H. H. and Wang, R. 1999. Quantitative structure-activity relationship analysis of phenolic antioxidants. Free Radical Bio. Med. 26: 285-294.

Lissi, E., Modak, B., Torres, R., Esocbar, J. and Urzua, A. 1999. Total antioxidant potential of resinous exudates from Heliotropium species, and a comparison of the ABTS and DPPH methods. Free Radical Res. 30: 471-477.

Liyana-Pathirana, C. and Shahidi, F. 2005. Antioxidant activity of commercial soft and hard wheat (*Triticum aestivum* L.) as affected by gastric pH conditions. J. Agric. Food Chem. 53: 2433-2440.

MacDougall, D. B. 2002. Colour Measurement of Food. *In* Colour in Food Improving Quality. (MacDougall, D.B. ed). p. 33-63. CRC Press LLC. USA.

Mahae, N. and Chaiseri, S. 2009. Antioxidant activities and antioxidative components in extracts of *Alpinia galangal* (L.) Sw. Kasetsart J. (Nat. Sci.) 43: 358-369.

Maki, M. 2004. Lactic Acid Bacteria in Vegetable Fermentations. *In* Lactic Acid Bacteria Microbiological and Functional Aspects. 3rd ed. (Salminen, S, Wright, A. and Ouwehand, A., eds). p. 419-430. Marcel Dekker. New York.

Manach, C., Scalbert, A., Morand, C., Remesy, C. and Jimenez, L. 2004. Polyphenols: food sources and bioavailability. Am. J. Clin. Nutr. 79: 727–747.

Mansour, E. H. and Khalil, A. H. 2000. Evaluation of antioxidant activity of some plant extracts and their application to ground beef patties. Food Chem. 69: 135-141.

Manzocco, L., Calligaris, S., Mastrocola, D., Nicoli M. C. and Lerici, C. R. 2001. Review of nonenzymatic browning and antioxidant capacity in processed foods. Trends Food Sci. Tech.11: 340-346.

Maoka, T., Mochida, K., Kozuka, M., Ito, Y., Fujiwara,Y., Hashimoto, K., Enjo, F., Ogata, M., Nobukuni, Y., Tokuda, H., Nishino, H. 2001. Cancer chemopreventive activity of carotenoids in the fruits of red paprika *Capsicum annuum* L. Cancer Lett. 172: 103-109.

Marinova, E. M. and Yanishlieva, N. V. 1997. Antioxidative activity of extracts from selected species of the family *Lamiaceae* in sunflower oil. Food Chem. 58: 245-248.

Markus, F., Daood, H. G., Kapitany, J. and Biacs, P. A. 1999. Change in the carotenoid and antioxidant content of spice red pepper (paprika) as a function of ripening and some technological factors. J. Agric. Food Chem. 47: 100-107.

Marques, U. M. L., Barros, R. M. C. and Patricia, S. P. 2005. Antioxidant activity of chlorophylls and their derivatives. Food Res. Int. 38: 885-891.

Marques, V. and Farah, A. 2009. Chlorogenic acids and related compounds in medicinal plants and infusions. Food Chem. 113: 1370-1376.

Marston, A. and Hostettmann, K. 2006. Separation and Quantification of Flavonoids. *In* Flavonoisd: Chemistry, Biochemistry and Applications. (Adersen, O. M. and Markham, K. R. eds.). p. 1-37. CRC Press Taylor & Francis group. USA.

Masniyom, P. 2004. Shelf-Life Extension of Refrigerated Seabass (*Lates calca*lifer) Slices under Modified Atmosphere Packaging. Doctor of Philosophy Thesis in Food Technology. Prince of Songkla University.

Materska, M., Piacente, S., Stochmal, A., Pizza, C., Oleszek, W. and Perucka, I. 2003. Isolation and structure elucidation of flavonoid and phenolic acid glycosides from pericarp of hot pepper fruit *Capsicum annuum* L. Phytochemistry. 63: 893-898.

Materska, M., and Perucka, I. 2005. Antioxidant activity of the main phenolic compounds isolated from hot pepper fruit (*Capsicum annuum* L.). J. Agric. Food Chem. 53: 1750-1756.

Matsufuji, H., Nakamura, H., Chino, M. and Takeda, M. 1998. Antioxidant activity of capsanthin and the fatty acid esters in paprika (*Capsicum annuum*). J. Agric. Food Chem. 46: 3468-3472.

Matsuda, H., Morikawa, T., Managi, H. and Yoshikawa, M. 2003a. Antiallergic principles from *Alpinia galanga*: structural requirements of phenylpropanoids for inhibition of

degranulation and release of TNF-α and IL-4 in RBL-2H3 Cells. Bioorg. Med. Chem. Lett. 13: 3197-3202.

Matsuda, H., Pongpiriyadacha, Y., Morikawa, T., Ochi, M. and Yoshikawa, M. 2003b. Gastroprotective effects of phenylpropanoids from the rhizomes of *Alpinia galanga* in rats: structural requirements and mode of action. Eur. J. Pharmacol. 471: 59-67.

Mayachiewa, P. and Devahastin, S. 2008. Antimicrobial and antioxidant activities of Indian gooseberry and galangal extracts. LWT- Food Sci. Tech. 41: 1153-1159.

McKee, L. H. 1995. Microbial contamination of spices and herbs: a review. Lebensm. Wiss. Technol. 28: 1-11.

Meilgaard, M., Civille, G. V. and Carr, B. T. 1999. Sensory Evaluation Technique. 3rd ed. CRC Press Inc. Boca Raton.

Mejlholm, O., Kjeldgaard, J., Modberg, A., Vest, M. B., Boknaes, N., Koort, J., Björkroth, J. and Dalgaard, P. 2008. Microbial changes and growth of *Listeria monocytogenes* during chilled storage of brined shrimp (*Pandalus borealis*). Inter. J. Food Micro. 124: 250-259.

Miean, K. H. and Mohamed, S. 2001. Flavonoid (myricetin, quercetin, kaempferol, luteolin, and apigenin) content of edible tropical plants. J. Agric. Food Chem. 49: 3106-3112.

Miller, N. J., Sampson, J., Candeias, L. P., Bramley, P. M. and Rice-Evans, C. A. 1996. Antioxidant activities of carotenes and xanthophylls. FEBS Letters. 384: 240-242.

Modly, C. E., Das, M., Don, P. C. S., Marcelo, C. L., Mukhtar, H. and Bickers, D. K. 1986. Capsaicin as an in vitro inhibitor of benzopyrene metabolism and its DNA binding in human and murine keratinocytes. Drugs Metab. 14: 413-416.

Moffatt, J., Hashimoto, M., Kojima, A., Kennedy, D. O., Murakami, A., Koshimizu, K., Ohigashi, H., Matsui-Yuasa, I. 2000. Apoptosis induced by 1′-acetoxychavicol acetate in Ehrlich ascites tumor cells is associated with modulation of polyamine metabolism and caspase-3 activation. Carcinogenesis 21: 2151-2157.

Moller, J. K. S., Madsen, H. L., Aaltonen, T. and Skibsted, L. H. 1999. Dittany (*Origanum dictamnus)* as a source of water-extractable antioxidants. Food Chem. 64: 215-219.

Montgomery, D.C. 2001. Design and Analysis of Experiments. John Wiley & Sons, Inc. New York. USA.

Moon, J. K. and Shibamoto, T. 2009. Antioxidant Assays for Plant and Food Components J. Agric. Food Chem. 57: 1655-1666

Mukai, M., Oka, W., Watanabe, K., Egawa, Y. and Nagaoka, S. 1997. Kinetic study of free-radical-scavenging action of flavonoids in homogeneous and aqueous triton x-100 micellar solutions. J. Phys. Chem. A. 101: 3746-3753.

Naczk, M. and Shahidi, F. 2006. Review Phenolics in cereals, fruits and vegetables: Occurrence, extraction and analysis. J. Pharmaceut. Biomed.: 1523-1542

Nanasombat, S. and Lohasupthawee, P. 2005. Antibacterial activity of crude ethanolic extracts and essential oils of spices against salmonellae and other enterobacteria. KMITL. Sci. Tech. J. 5: 527-538.

Natakami, N. and Ikeda, K. 1984. Isolation of antioxidative lignan from papua mace. Crit. Rev. Food Sci. Nutr. 32: 67-103.

Natta, L., Orapin, K., Krittika, N. and Pantip, B. 2008. Essential oil from five Zingiberaceae for anti food-borne bacteria. Int. Food Research J. 15: 337-346.

Nauss, K. M., Kitakawa, S., and Gergely, J. 1969. Pyrophosphate binding to and adenosine tripolyphosphatase activity of myosin and its proteolytic fragments. J. Biol. Chem. 244: 755-765.

Nawar, W. W. 1996. Lipid. *In* Food Chemistry. 3rd ed. (Fennema, O. R. ed.). p. 210-243. Marcel Dekker, Inc. New York.

Nicoli, C., Anese, M., Parpinel, M. T., Franceschi, S. and Lerici, C. R. 1997. Loss and/or formation of antioxidants during food processing and storage. Cancer Lette. 114: 71-74.

Nicoli, M. C., Anese, M. and Parpine, M. 1999. Influence of processing on the antioxidant properties of fruit and vegetables. Trends Food Sci Tech. 10: 94-100.

Nishi, A., Kubota, K., Kameoka, H. And Osawa, T. 1991. Antioxidizing component, musizin in *Rumex japonicus Houtt*. J. Am. Oil. Chem. Soc. 68: 735-739.

Noguchi, N. and Niki, E. 1999. Chemistry of Active Oxygen Species and Antioxidants. *In* Antioxidant Status, Diet, Nutrition, and Health. (Papas, A. M., ed). p. 1-20. Boca Raton. U.S.A.

Nordberg, J. and Arner, E. S. J. 2001. Reactive oxygen species, antioxidants, and the mammalian thioredoxin system (Review article). Free Radical Bio. Med. 31: 1287–1312.

O′Connor, T. P. and O′Brien, N. M. 2006. Lipid Oxidation. *In* Advanced Dairy Chemistry Volume 2: Lipids. 3rd ed. (Fox, P. F. and McSweeney, P. L. H., eds.). p. 557-585. Springer Science Business Media, Inc. USA.

Oonmetta-aree, J. 2005. Effects of the Zingiberaceae Spice Extracts on Growth and Morphological Changes of Foodborne Pathogens. Degree of Doctor of Philosophy in Food Technology. Suranaree University of Technology.

Oreopoulou, V. 2003. Extraction of Natural Antioxidants. *In* Extraction Optimization in Food Engineering. (Tzia, C. and Liadakis, G., eds.). p. 329-346. Marcel Dekker, Inc. USA.

Orhan, I., Eryilmaz, B. and Bingol, F. 2002. A comparative study on the fatty acid contents of *Capsicum annuum* varieties. Biochem. Syst. Ecol. 30: 901-904.

Osada, Y. and Shibamoto, T. 2006. Antioxidative activity of volatile extracts from Maillard model system. Food Chem. 98: 522-528.

Othman, R., Ibrahimb, H., Mohdc, M. A., Mustafac, M. R. and Awangd, K. 2006. Bioassay-guided isolation of a vasorelaxant active compound from *Kaempferia galanga* L. Phytomedicine. 13: 61-66.

Osman, A. M., Wong, K. K. Y. and Fernyhough, A. 2006. ABTS radical-driven oxidation of polyphenols: isolation and structural elucidation of covalent adducts. Biochem. Bioph. Res. Co. 346: 321-329.

Osuna-Garcia, J. A., Wall, M. M. and Waddell, C. A. 1998. Endogenous levels of tocopherols and ascorbic acid during fruit ripening of New Mexican-type chile (*Capsicum annuum* L.). J. Agric. Food Chem. 46: 5093-5096.

Othmana, R., Ibrahimb, H., Mohdc, M. A., Mustafac, M. R., and Awangd, K. 2006. Bioassay-guided isolation of a vasorelaxant active compound from *Kaempferia galanga* L. Phytomedicine. 13: 61-66.

Packer, L., Hiramatsu, M. and Yoshikawa, T. 1999. Antioxidant food supplements in human health. Academic Press, USA.

Pakawatchai, C., Siripongvutikorn, S., and Usawakesmanee, W. 2009. Effect of herb and spice pastes on the quality changes in minced salmon flesh waste during chilled storage. Asian Journal of Food and Agro-Industry 2(04): 481-492.

Palevitch, D. and Craker, L. E. 1995. Nutritional and medicinal importance of red pepper (*Capsicum* spp.). J. Herbs Spices Med. Plants. 3: 55-83.

Peleg, H., Naim, M., Rouseff, R. L. and Zehavi, U. 1991. Distribution of bound and free phenolic acids in oranges (*Citrus sinensis*) and grapefruit (*Citrus paradise*). J. Sci. Food Agric. 57: 417-426.

Pereira, R. P., Fachinetto, R., Prestes, A. S., Puntel, R. L., Silva, G. N. S., Heinzmann, B. M., Boschetti, T. K., Athayde, M. L., Burger, M. E., Morel, A. F., Morsch, V. M. and Rocha, J. B. T. 2009. Antioxidant Effects of Different Extracts from *Melissa officinalis*, *Matricaria recutita* and *Cymbopogon citrates*. Neurochem Res. 34: 973-983.

Peterson, D. M., Emmons, C. L. and Hibbs, A. H. 2001. Phenolic antioxidants and antioxidant activity in pearling fractions of oat groats. J. Cereal Sci. 33: 97-103.

Pietta, P. G. 2000. Flavonoids as antioxidants. J. Nat. Prod. 63: 1035-1042.

Pinelo, M., Manzocco, L., Nunez, M. J. and Nicoli, M. C. 2004a. Interaction among phenols in food fortification: negative synergism on antioxidant capacity. J. Agric. Food Chem. 52: 1177-1180.

Pinelo, M., Rubilar, M., Sineiro, J. And Nunez, M. J. 2004b. Extraction of antioxidant phenolics from almond hulls (*Prunus amygdalus*) and pine sawdust (*Pinus pinaster*). Food Chem. 85: 267-273.

Pinelo, M., Rubilar, M., Sineiro, J. And Nufiez, M. J. 2005. A thermal treatment to increase the antioxidant capacity of natural phenols: catechin, resveratrol and grape extract cases. Eur. Food Res. Technol: 284-290.

Polozza, P. 1998. Pro-oxidant actions of carotenoids in biologic systems (review). Nut. Rev. 56: 257-265.

Prachayabreud, W., Leelaprude, V., and Muadcheingka, M. 1996. Effects of *Alpinia galanga*, *Cassia alata*, and *Rhinacanthus nasutus* extracts on *Candida albicans*. Mahidol Dental Journal 16 (2): 67-74.

Prasad, K., Lardal, M. A., Yu, M. and Raney, B. L. 1996. Evaluation of hydroxyl radical-scavening property of garlic. Mol. Cell. Biochem. 154: 55-63.

Prior, R. L., Xianli, W. and Schaich, K. 2005. Standardized methods for the determination of antioxidant capacity and phenolics in food and dietary supplements. J. Agric. Food Chem. 53: 4290-4302.

Puerta, T. 1999. Inhibition of leukocytes lipoxygenase by phenolics from virgin olive oil. Biochem. Pham. J. 57: 445-449.

Pulido, R., Bravo, L. and Saura-Calixto, F. 2000. Antioxidant activity of dietary polyphenols as determined by a modified ferric reducitn antioxidant power assay. J. Agric. Food Chem. 48: 3396-3402.

Purseglove, J. W., Brown, E. G., Green, C. L. and Robbins, S. R. J. 1981. Spices. Vol. I. D. Van Nostrand Co. New York.

Pyo, Y. H., Lee, T. C., Logendra, L. and Rosen, R. T. 2004. Antioxidnt activity and phenolic compounds of Swiss chard (Beta vulgaris subspecies cycla) extracts. Food Chem. 85: 19-26.

Rajalakshmi, D. and Narasimhan, S. 1996. Food Antioxidants: Sources and Methods of Evaluation. *In* Food Antioxidants (Madhavi, D. L., Despande, S. S. and Salunkhe, D. K., eds.). p. 5-64. Marcel Decker, Inc. New York.

Re, R., Pellegrini, N., Proteggente, A., Pannala, A., Yang, M., and Rice-Evans, C. 1999. Antioxidant activity appliyin an improved ABTS radical cation decolorization assay. Free Radical Bio. Med. 26: 1231-1237.

Rice-Evans, C., Miller, N. J., Bolwell, P. G., Bramley, P. M., and Pridham, J. B. 1995. The relative antioxidant activities of plant derived polyphenolic flavonoids. Free Radical Res. 22: 375-383.

Rice-Evans, C. A. and Miller, N. J. 1996. Antioxidant activities of flavonoids as bioactive compounds of foods. Biochem Soc. Trans. 24: 790-795.

Rice-Evans, C., Miller, N. J. and Paganga, G. 1996. Structure–antioxidant activity relationships of flavonoids and phenolic acids. Free Radical Bio. Med. 20: 933-956.

Rice-Evans, C. A., Miller, J. and Paganga, G. 1997. Antioxidant properties of phenolic compounds. Trends Plant Sci. 2: 152-159.

Robbins, R. J. 2003. Phenolic acids in foods: an overview of analytical methodology. J. Agric. Food Chem. 51: 2866-2887.

Robert, R. E., Pellegrini, N., Proteggente, A., Pannala, A., Yang, M., and Rice-Evans, C. 1999. Antioxidant activity applying an improved ABTS radical cation decolorization assay. Free Radical Bio. Med. 26: 1231-1237.

Roginsky, V. and Lissi, E. 2005. Review of methods to determine chain-breaking antioxidant activity in food. Food chem. 92: 235-254.

Rutherford, T. J., Marshalla, D. L., Andrewsb, L. S., Cogginsa, P. C., Schillinga, M. W. and Gerardc, P. 2007. Combined effect of packaging atmosphere and storage temperature on growth of *Listeria monocytogenes* on ready-to-eat shrimp. Food Microbiology 24: 703-710.

Ruusunen, E., and Poulanne, M. 2005. Average muscle fiber cross sectional area varies considerably in pork loins. In Proceedings of the 51st international congress of meat science and technology (pp.1506-1510), August 7-12, 2005, Baltimore, Maryland, USA.

Sacchetti, G., Maietti, S., Muzzoli, M., Scaglianti, M., Manfredini, S., Radice, M. and Bruni, R. 2005. Comparative evaluation of 11 essential oils of different origin as functional antioxidants, antiradicals and antimicrobials in foods. Food Chem. 91: 621-632.

Saura-Calixto, F. and Goni, I. 2006. Antioxidant capacity of the Spanish Mediterranean diet. Food Chem. 94: 442–447.

Schaneberg, B. T. and Khan, I. A. 2002. Comparison of extraction methods for marker compounds in the essential oil of lemon grass by GC. J. Agric. Food Chem. 50: 1345-1349.

Schroeder, M. J. A., 2003. The Visual Appeal of Food and Beverages. *In* Food Quality and Consumer Value: Delivering Food that Satisfies. (Schroeder, M. J. A. ed.). p. 232-238. Springer publisher. Berlin. New York.

Shahidi, F., Janitha, P. K. and Wanasundara, P. D. 1992. Phenolic antioxidant. Crit. Rev. Food Sci. Nutr. 32: 67-103.

Shahidi, F. and Naczk, M. 1995. Food Phenolics: Sources, Chemistry, Effects and Applications. Technomic Pub. Co., Inc. Pensylvania.

Shahidi, F. and Naczk, M. 2004. Phenolics in Food and Nutraceuticals. CRC Press. New York. USA.

Shahidi, F. and Naczk, M. 2005. Analysis of Polyphenols in Foods. *In* Methods of Analysis of Food Components and Additives. (Otles, S., ed). p. 199-160. Taylor & Francis Group, LLC. USA.

Sheard, P. R., Nute, G. R., Richardson, R. I., Perry, A. and Taylor, A. A. 1999. Injection of water and polyphosphate in to pork to improve juiciness and tenderness after cooking. Meat Sci. 51: 371-376.

Sheard, P. R. and Tali, A. 2004. Injection of salt, tripolyphosphate and bicarbonate marinade solutions to improve the yield and tenderness of cooked pork loin. Meat Sci. 68: 305-311.

Shi, H., Noguchi, N. and Niki, E. 2001. Introducing Natural Antioxidants. *In* Antioxidants in Food Practical Applications. 1st ed. (Pokorny, J., Yanishlieva, N. and Gordon, M. eds.) p. 147-158. Woodhead publishing Ltd. Newyork. and CRC Press LLC Cornwall. England.

Shobana, S. and Naidu, K. A. 2000. Antioxidant activity of selected Indian spices. Prostag Leukotr Ess. 62: 107-110.

Sikorski, Z. E. and Haard, N. F. 2007. Interactions of Food Components. *In* Chemical and Functional Properties of Food Components. 3rd ed. (Sikorski, Z. E., ed.). p. 330-353. Taylor & Francis Group, LLC. USA.

Singleton, V. L., Orthofer, R. and Lamuela-Raventos, R. M. 1999. Analysis of total phenols and other oxidation substrates and antioxidants by means of Folin–Ciocalteu reagent. Method Enzymol. 299: 152-178.

Siripongvutikorn, S., Thummaratwasik, P. and Huang, Y. 2005. Antimicrobial and antioxidation effects of Thai seasoning, Tom-Yum. Lebensm. Wiss. Technol.38: 347-352.

Siripongvutikorn, S., Usawakesmanee, W., Wittaya, T., Koonpaew, B. and Pengseng, N. 2012. Combined effect of low acid paste and modified atmospheric condition on quality changes of white shrimp (*Litopenaeus vànnàmei*) during chilled storage. International Food Research Journal. 19(4): 1573-1580.

Speck, M. L. 1976. Compendium of Methods for the Microbiological Examination of Foods. American Public Health Association, Inc. Washington, DC.

Stechell, K. D. R. 2000. Absorption and metabolism of soy isoflavones from food to dietary supplements and adults to infants. J. Nutr. 130: 654S-655S.

Steinkrus, H. K. 1992. Lactic Acid Fermentation. *In* Applications of Biotechonology to Traditional Fermented Food. (Gaden, E. L., Bokanga, M., Harlander, S. and Hesseltine, G. W., eds). p. 43-51. Nation Academy Press. Washington, D.C.

Sultana, B., Anwar, F. and Ashraf, M. 2009. Effect of extraction solvent/technique on the antioxidant activity of selected medicinal plant extracts. Molecules. 14: 2167-2180.

Sun, T and Ho, C. T. 2005. Antioxidant activities of buckwheat extracts. Food Chem. 90: 743-749.

Thai food to world. 2007. Tom-kha kai (Online). Available http://www.thaifoodtoworld.com/home/index.php (18 June 2007).

Thepnuan, R. 2007. Studies on Some Enzymes and the Effect of Modified Atmosphere Packaging and Some Chemicals on Quality Changes of Black Tiger and White Shrimps during Refrigerated Storage.

Thomas, C. and O′Beirne, D. 2000. Evaluation of the impact of short-term temperature abuse on the microbiology and shelf life of a model ready-to-use vegetable combination product. Int. J. Food Microbiol. 59: 47-57.

Tomas-Barberan, F. A. and Robins, R. J. 1997. Phytochemistry of Fruit and Vegetables. Oxford: Clarendon Press. New York.

Tsangalis, D., Ashton, J. F., Mcgill, A. E. J. and Shah, N. P. 2002. Enzymic transformation of isoflavone phytoestrogens in soymilk by β-glucosidaseproducing bifidobacteria. J. Food Sci. 67: 3104-3113.

Uhlman, L., Schillinger, U., Rupnow, J. R. and Holzapfel, W. H. 1992. Identification and characterization of two bacteriocin-producing strains of *Lactococcus lactis* isolated from vegetables. Int. J. Food Microbiol. 16: 141-151.

Valko, M., Rhodes, C. J., Moncola, J., Izakovic, M. and Mazura, M. 2006. Free radicals, metals and antioxidants in oxidative stress-induced cancer. Chem. Biol. Interact. 160: 1-40.

Velioglu, Y. S., Mazza, G., Gao, L., and Oomah, B. D. 1998. Antioxidant activity and total phenolics in selected fruits, vegetables and grain products. J. Agric. Food Chem. 46: 4113-4117.

Viana, G. S. B., Vale, T. G., Pinho, R. S. N. and Matos, F. J. A. 2000. Antinociceptive effect of the essential oil from *Cymbopogon citratus* in mice. J. Ethnopharmacol. 70: 323-7.

Vinitketkumnuen, U., Puatanachokchai, R., Kongtawelert, P., Lertprasertsuke, N. and Matsushima, T. 1994. Antimutagenicity of lemon grass (*Cymbopogon citratus* Stapf) to various known mutagens in salmonella mutation assay. Mutat. Res. 341: 5-71.

Vuddhakul, V., Bhoopong, P., Hayeebilan, F. and Subhadhirasakul, S. 2007. Inhibitory activity of Thai condiments on pandemic strain of *Vibrio parahaemolyticus*. Food microbiol. 24: 413-418.

Wang, W. D. 2004. Carotenoid Oxidative/Degradative Products and Their Biological Activity. *In* Carotenoids in Health and Disease. (Krinsky, N. I., Mayne, S. and Sies, H., eds.). p. 313-337. Marcel Dekker, Inc. USA.

Wangcharoen, W. and Morasuk, W. 2007a. Antioxidant capacity and phenolic content of chilies. Kasetsart J. (Nat. Sci.) 41: 561-569.

Wangcharoen, W. and Morasuk, W. 2007b. Antioxidant capacity and phenolic content of some Thai culinary plants. Mj. Int. J. Sci. Tech. 1(2): 100-106.

Wangcharoen, W. and Morasuk, W. 2009. Antioxidant capacity changes of bird chili (*Capsicum frutescens* Linn.) during hot air drying. Kasetsart J. (Nat. Sci.) 43: 12-20.

Wannissorn, B., Jarikasem, S., Siriwangchai, T. and Thubthimthed, S. 2005. Antibacterial properties of essential oils from Thai medicinal plants. Fitoterapia. 76: 233-236.

Waterman, P. G. and Mole, S. 1994. Analysis of phenolic plant metabolites. Blackwell Scienctific Publications. Oxford.

Wattanachant, S., Benjakul, S. and Ledwardt, D. A. 2005. Processing, Product, and Food safety: Microstructure and thermal characteristics of thai indigenous and broiler chicken muscles. J. Poultry Sci. 84: 328-333.

Wettasinghe, M. and Shahidi, F. 1999. Antioxidant and free radical-scavenging properties of ethanolic extracts of defatted borage (*Borago officinalis* L.) seeds. Food Chem. 67: 399-414.

Wheeler, T. L., Koohmaraie, M., Lansdell, J. L., Siragusa, G. R., and Miller, M. F. 1993. Effect of postmortem injection time, injection level, and concentration of calcium chloride on beef quality traits. J. Anim. Sci. 71: 2965-2974.

Wikipedia, 2008. Modified atmosphere. Available online at http://en.wikipedia.org/wiki/Modified_atmosphere. (11 June 2008).

Wilska-Jeszka, J. 2007. Food Colorants. *In* Chemical and Functional Properties of Food Components. 3rd ed. (Sikorski, Z. E., ed). p. 191-210. Taylor & Francis Group, LLC. USA.

Wojdylo, A, Oszmiariski, R. and Czemerys, R. 2007. Antioxidant activity and phenolic compounds in 32 selected herbs. Food Chem. 105: 940-949.

Wu, H. C., Chen, H. M. and Shiau, C. Y. 2003. Free amino acid and peptide as related to antioxidant properties in protein hydrolysates of mackerel (*Scomber austriasicus*). Food Res. Int. 36: 949-957.

Xu, G., Ye, X., Chen, J. and Liu, D. 2007. Effect of heat treatment on the phenolic compounds and antioxidant capacity of citrus peel extract. J. Agric. Food Chem. 55: 330-335.

Yamaguchi, T., Katsuda, M., Oda, Y., Terao, J., Kanazawa, K., Oshima, S., Inakuma, T. Ishiguro, Y., Takamura, H. and Matoba, T. 2003. Influence of polyphenol and ascorbate oxidases during cooking process on the radical-scavenging activity of vegetables. Food Sci. Technol. Res. 9: 79-83.

Yanagimoto, K., Lee, K. G., Ochi, H. and Shibamoto, T. 2002. Antioxidative activity of heterocyclic compounds formed in Maillard reaction products. Int. Congr. Ser. 1245: 335-340.

Yang, X. and Eilerman, R. G. 1999. Pungent principal of *Alpinia galangal* (L.) Swartz and its applications. J. Agric. Food Chem. 47: 1657-1662.

Yanishlieva-Maslarova, N. 2001. Inhibiting Oxidation. *In* Antioxidants in Food Practical applications. (Pokorny, J., Yanishlieva-Maslarova, N. and Gordon, M., eds.). p. 22-70. CRC Press LLC. New York. and Woodhead Publishing Limited. England.

Yen, G. C. and Hung, C. Y. 2000. Effects of alkaline and heat treatment on antioxidant activity and total phenolics of extracts from Hsian-tsao (*Mesona procumbens Hemsi*.). Food Res. Int. 33: 487-492.

Yilmaz, Y. and Toledo, R. 2005. Antioxidant activity of water-soluble maillard reaction products. Food Chem. 93: 273-278.

Young, A. J., Phillip, D. M. and Lowe, G. M. 2004. Carotenoid Antioxidant Activity. *In* Carotenoids in Health and Disease. (Krinsky, N. I., Mayne, S. and Sies, H., eds.) p. 105-127. Marcel Dekker, Inc. USA.

Young, L. L. and Lyon, C. E. 1997. Effect of calcium marination on biochemical and texture properties of peri-rigor chicken breast meat. Poultry Sci. 76: 197-201.

Yu, L., Haley, S., Perret, J., Harris, M., Wilson, J. and Qian, M. 2002. Free radical scavenging properties of wheat extracts. J. Agric. Food Chem. 50: 1619-1624.

Zaeoung, S. 2004. Cytotoxic Activity Against Tumour Cells and Free Radical Scavenging Activity of Zingiberaceous Rhizomes Used as Spices. Master of Pharmacy thesis in Pharmaceutical Sciences. Prince of Songkla University.

Zaeoung, S., Plubrukarn, A. and Keawpradub, N. 2005. Cytotoxic and free radical scavenging activities of Zingiberaceous rhizomes. Songklanakarin J. Sci. Technol. 27: 799-812.

Zewdie, Y. and Bosland, P. W. 2001. Capsaicinoid profiles are not good chemotaxonomic indicators for *Capsicum* species. Biochem. Syst. Ecol. 29: 161-169.

Zheng, W. and Wang, S. Y. 2001. Antioxidant activity and phenolic compounds in selected herbs. J. Agric. Food Chem. 49: 5165-5170.

Zielinski, H. and Kozlowska, H. 2000. Antioxidant activity and total phenolics in selected cereal grains and their different morphological fractions. J. Agric. Food Chem. 48: 2008-2016.