เอกสารและสิ่งอ้างอิง

กล้าณรงค์ ศรีรอต และ เกื้อกูล ปิยะจอมขวัญ. 2543. **เทคโนโลยีของแป้ง.** พิมพ์ครั้งที่ 2. สำนักพิมพ์มหาวิทยาลัยเกษตรศาสตร์, กรุงเทพฯ.

กัลยาณี. 2546. **แยมแครอทจากกลูโคแมนแนน.** วิทยานิพนธ์ปริญญาโท, มหาวิทยาลัยเกษตรศาสตร์, กรุงเทพฯ.

ณรงค์ นิยมวิทย์. 2538. **องค์ประกอบและการเปลี่ยนแปลงทางเคมีกายภาพของอาหาร.** พิมพ์ครั้งที่ 1. บริษัท ฟอร์แมทพริ้นติ้ง จำกัด, กรุงเทพฯ.

ปาริฉัตร หงสประภาส. 2545. **เคมีกายภาพของอาหาร คอลลอยด์ อิมัลชัน และเจล.** พิมพ์ครั้งที่ 1. สำนักพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย, กรุงเทพฯ

พิณทิพย์ รัมภกาภรณ์. 2547. **การดัดแปรแป้งข้าวโดยการใช้ความร้อนร่วมกับความชื้น.** วิทยานิพนธ์ปริญญาโท, มหาวิทยาลัยเกษตรศาสตร์.

ไพบูลย์ ธรรมรัตน์วาสิก. 2532. **กรรมวิธีการแปรรูปอาหาร.** สำนักพิมพ์โอเดียนสโตร์, กรุงเทพฯ.

รุ่งนภา พงศ์สวัสดิ์มานิต. 2535. **วิศวกรรมการแปรรูป : การถนอมอาหาร.** โอ. เอส. พริ้นติ้งเฮ้าส์, กรุงเทพฯ.

ศันสนีย์ อุดมระติ. 2548. **การเกิดเจลาทิไนเซชันและการเกิดรีโทรเกรเดชันของข้าวพันธุ์ต่าง ๆ.** วิทยานิพนธ์ปริญญาโท, มหาวิทยาลัยเกษตรศาสตร์

A.A.C.C. 2000. **Approved Methods of the American Association of Cereal Chemists.** 10th ed., American Association of Cereal Chemists, St. Paul, MN.

Alexander, R.J. 1995. Fat replacers based on starch. **Cereal Foods World** 40: 366-370.

Biliaderis, C.G. 1998. Structures and phase transitions of starch polymers, pp. 57-167. *In* R.H. Walter, ed. **Polysaccharide Association Structures in Food.** Marcel Dekker Inc., New York.

Blond, G. and M.L. Meste. 2004. Principles of frozen storage, pp. 25-53. *In* Y.H. Hui, I. Guerrero, M.H. Lim, K.D. Murrell and W.K. Nip, eds. **Handbook of Frozen Foods.** Marcel Dekker, New York.

Bourne, M.C. 2002. **Food Texture and Viscosity: Concept and Measurement.** 2nd ed. Academic Press, London.

Brennan, C., C.K. Tan, V. Kuri and C. M. Tudorica. 2004. The pasting behaviour and freeze-thaw stability of native starch-xanthan gum pastes. **Int. J. Food Sci. Technol.** 39: 1017-1022.

Brownsey, G.J. and V.J. Morris. 1998. Mixed and filled gels-models for foods. *In* J.M. Blanshard and J.R. Morris, eds. **Food Structure-Its Creation and Evaluation.** Butler and Tanner, Great Britain.

Buléon, A., P. Colonna, V. Planchot and S. Ball. 1998. Starch granules: structure and biosynthesis. **Int. J. Biol. Macromolecules** 23: 85-112.

Chaisawang, M. and M. Suphantharika. 2005. Pasting and rheological properties of native and anionic tapioca starches as modified by guar gum and xanthan gum. **Food Hydrocoll.** xx: 1-9.

Champagne. E.T. 1996. Rice starch composition and characteristics. **Cereal Foods World** 41(11): 833-838.

Chanes, J.W., D. Bermudez, A.V. Fragoso, H.M. Paz and S. M. 2004. Principles of freeze-concentration and freez-drying, pp. 13-24. *In* Y.H. Hui, I. Guerrero, M.H. Lim, K.D. Murrell and W.K. Nip, eds. **Handbook of Frozen Foods.** Marcel Dekker, New York.

Charoenrein, S., D. Thirathumthavorn and S. Udomrati. 2004. Retrogradation of waxy rice starch gel below and above glass transition temperature, **The 2004 IFT Annual Meeting.** July 14-16: Abstract No. 93-6.

Christel, J.A., M. Keetels, T.V. Vliet and H. Luyten. 1995. Effect of retrogradation on the structure and mechanics of concentrated starch Gels, pp. 472-553. *In* E. Dickinson and D. Lorient, eds. **Food Marcromolecules and Colloids.** The Royal Society of Chemistry, Cambridge.

Christianson, D.D. 1982. Hydrocolloid interactions with starches, pp. 399-419. *In* D.R. Lineback and G.E. Inglett, eds. **Food Carbohydrates.** The AVI Publishing Company, Inc., London.

Chung, H.J., H.Y. Jeong and S.T. Lim. 2003. Effect of acid hydrolysis and defatting on crystallinity and pasting properties of freeze-thawed high amylose corn starch. **Carbohyd. Polym.** 54: 449-455.

CyberColloids Ltd. 2004. Konjac-an introduction. **Making Natural Polymers Work.** Available Source: http://www.cybercolloids.net/library/konjac/structure.php, September 15, 2004.

Eidam, D. and W.M. Kulicke. 1995. Formation of maize starch gels selectively regulated by the addition of hydrocolloids. **Starch/Stärke** 47(10): 378-384.

Fan, J. and B.P. Marks. 1998. Retrogradation kinetics of rice flours as influenced by cultivar. **Cereal Chem.** 75: 153-155.

Ferrero, C., M.N. Martino and N.E. Zaritzky. 1994. Corn starch-xanthan gum interaction and its effect on the stability during storage of frozen gelatinized suspensions. **Starch/Stärke** 46(8): 300-308.

_____ and N.E. Zarizky. 2000. Effect of freezing rate and frozen storage on starch sucrose-hydrocolloid system. **J. Sci. Food Agric.** 80: 2149-2158.

Fredriksson, H., J. Silverio, R. Andersson, A.C. Eliasson and P. Aman. 1998. The influence of amylose and amylopectin characteristics on gelatinization and retrogradation properties of different starches. **Carbohyd. Polym.** 35: 119-134.

Funami, T., Y. Kataoka, T. Omoto and Y. Goto. 2005. Effect of non-ionic polysaccharides on the gelatinization and retrogradation behavior of wheat starch. **Food Hydrocoll.** 19: 1-13.

Goff, H.D. 1997. Measurement and interpretation of the glass transition in frozen foods, pp. 29-50. *In* M.C. Erickson and Y.C. Hung, eds. **Quality in Frozen Food.** Chapman & Hall, New York.

Gudmundsson, M. 1994. Retrogradation of starch and the role of its components. **Thermo. Acta.** 246: 329-341.

Heldman, D.R. and T.A. Taylor. 1997. Measurement and interpretation of the glass transition in frozen foods, pp. 51-64. *In* M.C. Erickson and Y.C. Hung, eds. **Quality in Frozen Food.** Chapman & Hall, New York.

Jacobson, M.R. and J. N. BeMiller. 1998. Method for determining the rate and extent of accelerated starch retrogradation. **Cereal Chem.** 75(1): 22-29.

Jane, J., Y.Y. Chen, L.F. Lee, A.E. McPherson, K.S. Wong, M. Radosavljevic and T. Kasemsuwan. 1999. Effects of amylopectin branch chain length and amylose content on the gelatinization and pasting properties of starch. **Cereal Chem.** 76(5): 629-637.

Jeong H.Y. and Lim S.T. 2003. Crystallinity and pasting properties of freezing thawed high amylose maize starch. **Starch/Stärke** 55: 511-517.

Juliano, B.O. 1971. A simplified assay for milled-rice amylose. **Cereal Sci. Today** 16(10): 334-360.

_____. 1985. **Rice: Chemistry and Technology.** The American Association of Cereal Chemists, Inc., New York.

_____. 1992. Structure, chemistry, and functional of the rice grain and its fractions. **Cereal Foods World** 37: 772-774.

Khanna, S. and R.F. Tester. 2005. Influence of purified konjac glucomannan on the gelatinisation and retrogradation properties of maize and potato starch. **Food Hydrocoll.** xx: 1-10.

Kim, J.O., W.S. Kim and M.S. Shin. 1997. A comparative study on retrogradation of rice starch gels by dsc, x-ray and α-amylose methods. **Starch/Stärke** 49(2): 71-75.

Karim, A.A., M.H. Norziah and C.C. Seow. 2000. Methods for the study of starch retrogradation. **Food Chem.** 71: 9-36.

Leach, H. W., L.D. McCoowen and T.J. Schoch. 1959. Strcuture of the starch granule I. swelling and solubility patterns of various starches. **Cereal Chem.** 36: 534-544.

Lee, M.H., M.H. Baek, D.S. Cha, H.J. Park and S.T. Lim. 2002. Freeze-thaw stability of sweet potato gel by polysaccharide gums. **Food Hydrocoll.** 16: 345-352.

Limpisut, P. and V.K. Jindal. 2002. Comparison of rice flour pasting properties using brabender viscoamylograph and rapid visco analyser for evaluating cooked rice texture. **Starch/Stärke** 54: 350-357.

Lineback, D.R. and G.E. Inglett. 1982. **Food Carbohydates.** The AVI Publishing Company, Inc., Westport.

Lumdubwong, N. and P.A. Seib. 2000. Rice starch isolation by alkaline protease digestion of wet-milled rice flour. **J. Cereal Sci.** 31: 63-74. Cited T.J. Scohch. 1967. **Starch Chemistry and Technology' Vol. 2.** Academic Press Inc., New York.

Mandala, I.G. and E. Bayas. 2004. Xanthan effect on swelling, solubility and viscosity of wheat starch dispersions. **Food Hydrocoll.** 18: 191-201.

Mandala, I.G., E.D. Palogou and A.E. Kostaropoulos. 2002. Influence of preparation and storage conditions on textur of xanthan-starch mixtures. **J. Food Eng.** 53: 27-38.

Munzing, K. 1991. DSC starch in cereal and cereal product. **J. Thermo. Acta.** 193: 441-448.

Morris, V.J. 1990. Review starch gelation and retrogradation. **Trends in Food Sci. & Technol.** 2-6.

_____. 1992. Design polysaccharides for synergistic interations, pp. 161-171. *In* G.O. Phillip, P.A. Williams and D.J. Wedlock, eds. **Gum and Stabilisers for the Food Industry 6.** Oxford University Press, New York.

Murphy, P. 2000. Starch, pp. 41-65. *In* G.O. Phillips and P.A. Williams, eds. **Handbook of Hyrocolloids.** Woodhead Publishing Ltd., New York.

Navarro, A.S., M.N. Martino, N.E. Zaritzky. 1997. Viscoelastic properties of frozen starch-triglycerides systems. **J. Food Eng.** 34: 411-427.

Newport Scientific, Ltd. 1995. **Operation Manual for the Series 4 Rapid Visco Analyser.** Warriewood, New South Wales.

Perdon, A.A., T.J. Siebenmorgen., A. Mauromoustakos, V.K. Griffin and E.R. Johnson. 2001. Degree of milling effects on rice pasting properties. **Cereal Chem.** 78(2): 205-209.

Persson, D.S. and G. Londahl. 1993. Freezing technology, pp. 20-58. *In* C.P. Mallett, ed. **Frozen Food Technology.** Chapman & Hall, Cambridge.

Phillips, G.O. and P. A. Williams. 2000. Introduction to food hydrocolloids, pp. 1-19. *In* G.O. Phillips and P.A. Williams, eds. **Handbook of Hydrocolloids.** Woodhead Publishing Ltd., New York.

Reid, D.S. 1997. Overview of physical/chemical aspects of freezing, pp. 10-28. *In* M.C. Erickson and Y.C. Hung, eds. **Quality in Frozen Food.** Chapman & Hall, New York.

Richardson, S.J. 1998. Molecular mobilies of instant starch gels determined by oxgen-17 and carbon-13 nuclear magnetic resonance. **J. Food Sci.** 53: 1175-1180.

Rojas, J.A., C.M. Rosell, C.B. Rarber. 1999. Pasting properties of different wheat flour-hydrocolloid systems. **Food Hydrocoll.** 13: 27-33.

Robin, J.P., C. Mercier, R. Charbonniere and J.A. Guilbot. 1974. Lintnerized starch, gel filtration and enzymatic studies of insoluble residues from prolonged acid treatment of potato starch. **Cereal Chem.** 51: 389-406.

Roos, Y.H. 1995a. Glass transition-related physicochemical changes in foods. **Food Technol.** 1: 97-102.

_____. 1995b. **Phase Transition in Foods.** Academic Press, Inc., Cailfornia.

_____ and M. Karel. 1991. Applying state diagrams to food processing and development. **Food Technol.** 1: 66-71.

Schoch, T.J. 1968. Effects of freezing and cold storage on pasted starch, pp. 44-56. *In* D.K. Tressler, W.B.V. Arsdel and M.J. Copley, eds. **The Freezing Preservation of Foods Vol. IV.** The AVI Publishing Company, Inc., Connecticut.

Shi, X. and J.N. BeMiller. 2002. Effects of food gum and viscosities of starch suspension during pasting. **Carbohyd. Polym.** 50: 7-18.

Singh, V., H. Okadome, H. Toyoshima, S. Isobo and K. Ohtsubo. 2000. Thermal and physicochemical properties of rice grain, flour and starch. **J. Agric. Food Chem.** 48: 2639-2647.

Sudhakar, V., R.S. Singhal and P.R. Kulkarni, 1992. Starch-gum interactions: formulations and functionality using amaranth/corn starch and cmc. **Starch/Stärke** 44(10): 369-374.

Takahashi, S. and P.A. Seib. 1988. Paste and gel properties of prime corn and wheat starches with and without native lipids. **Cereal Chem.** 65(6): 474-483.

Takigami, S. 2000. Konjac mannan, pp. 413-424. *In* G.O. Phillips and P.A. Williams, eds. **Handbook of Hyrocolloids.** Woodhead Publishing Ltd., New York.

Tester, R.F. 1997. Starch: the polysaccharide fractions, pp. 163-171. *In* P.J. Frazies, A.M. Donald and P. Richmond, eds. **Starch Structure and Functionality.** The Royal Society of Chemistry, Cambridge.

_____ and J. Karkalas. 2002. Starch, pp. 381-438. *In* E.J. Vandamme, S. De Beaets and A. Steinbuchel, eds. **Biopolymers. Vol.6. PolysaccharidesII, Polysaccharides from Eukaryotes.** Wiley-VCH, Weinheim.

_____ and W.R. Morrison. 1990. Swelling and gelatinization of cereal starches I effects of amylopectin, amylose, and lipids. **Cereal Chem.** 67: 551-557.

Tye, R.J. 1991. Konjac flour: properties and application. **Food Technol.** 43(3): 86-92.

Vandeputte, G.E., R. Vermeylen, J. Geeroms and J.A. Delcour. 2003. Rice starches. III. structural aspects provide insight in amylopectin retrogradation properties and gel texture. **J. Cereal Sci.** 38: 61-68.

Varavinit, S., S. Anuntavuttikul and S. Shobsngob. 2000. Influence of freezing and thawing techniques on stability sago and tapioca starch pastes. **Starch/Stärke** 52: 214-217.

_____ S. Shobsngob, W. Varanyanond, P. Chinachoti and O. Naivikul. 2002. Freezing and thawing conditions affect the gel stability of different varieties of rice flour. **Starch/Stärke** 54: 31-36.

Wang, Y.J. and L. Wang. 2002. Structures of flour waxy rice starches in relation to thermal, pasting, and textural properties. **Cereal Chem.** 79: 252-256.

_____ S. Shobsngob, W. Varanyanond, P. Chinachoti and O. Naivikul. 2002. Freezing and thawing conditions affect the gel stability of different varieties of rice flour. **Starch/Stärke** 54: 31-36.

Williams, P.A. and G.O. Phillips. 2002. Introduction of food hydrocolloids. *In* G.O. Phillips and P.A. Williams, eds. **Handbook of Hyrocolloids.** Woodhead Publishing Limited, New York.

Whistler, R.L. and J.N. BeMiller. 1999. **Carbohydrate Chemistry for Food Scientists.** Eagan Press, St. Paul, MN.

Yook, C., U.H. Pek and K.H. Park. 1993. Gelatinization and retrogradation characteristics of hydroxypropylated and Cross-linked Rices. **J. Food Sci.** 58(2): 405-407.

Yoshimura, M., T. Takaya and K. Nishimari. 1988. Rheological studies on mixtures of corn starch and konjac-glucomannan. **Cabbohyd. Polym.** 35: 71-79.

_____. 1996. Effects of konjac-glucomannan on the gelatinization and retrogradation of corn starch as determined by rheology and differential scanning calorimetry. **J. Agric. Food Chem.** 44: 2970-2976.

Zhang, Y.Q., B.J. Xie and X. Gan. 2005. Advance in the application of konjac glucomannan and its derivatives. **Carbohyd. Polym.** 60: 27-31.

Zhou, Z., K. Robards, S. Helliwell and C. Blanchard. 2002. Review composition and functional properties of rice. **Int. J. Food Sci. Technol.** 37: 849-868.