เอกสารอ้างอิง

Alderborn, G. and Nystrom, C. (1996) Pharmaceutical powder compaction technology. America.

Araujo, P.W. and Brereton, R.G. (1996) Experiment design II. Optimization, Trends in analytical chemistry. 15(2) : 63-70.

Banker, S.G. (1990) Modern pharmaceutics, 2 nd edition (pp.372-379), New York : Marcel Dekker.

Bolhuis, G.K., Smallenbroek, A.J. and Lerk,G.F. (1981) Interaction of tablet disintegrants and magnesium stearate during mixing I : effect on tablet disintegration, *J. Pharm. Sci.*, 70(2) : 1328.

Bolhuis, G.K., Zuuman, K. and Te Wierik, G.H.P. (1997) Improvement of dissolution of poorly soluble drug by solid deposition on a super disintegrant. II. The choice of super disintegrants and effect of granulatiom, *Eur. J. Pharm. Biopharm.* 5: 63-69

Caramella, C. (1991a) Novel method of disintegrant characterization, Part I. *Pharm. Tech.*, March : 49-52.

Caramella, C. (1991b) Novel method of disintegrant characterization, Part II, *Pharm. Tech.*, April : 57-62.

Caramella, C., Colombo, P., Conte, U. and La Manna, A. (1987) Tablet disintegration update : the dynamic approach, *Drug Dev. Ind. Pharm.*, 13(12) : 2111-2145.

Caramella, C., Colombo, P., Conte, U., Ferrari, F., Manna, A.L., Van Kamp, H.V. and Bolhuis, G.K. (1986) Water uptake and disintegrating force measurements : towards a general understanding of disintegration machanisms, *Drug Dev. and Ind. Pharm.*, 12(11-13) : 1749-1766.

Caramella, C., Ferrari, F., Gazzaniga, A., Conte, U., La Manna, A. and Geddo, M. (1988) A new computer-aided aparatus for simutaneose measurements of water uptake and sweling force in tablets, *Drug Dev. and Ind. Pharm.*, 14(15-17) : 2167-2177.

Catellani, P.L., Predella, P., Bellotti, A. and Colombo, P. (1989) Tablet water uptake and disintegration force measurements, *Int. J. Pharm.*, 51 : 63-66.

Celik, M. (1992) Overview of compaction data analysis teniques, *Drug Dev. Ind. Pharm.* 18 : 767-810.

Chang, RK. Leonzio, M. Wu, L.S. Pang, J. and Hussain, M.A. (1998) Evaluation of disintegrant properties for an experimental, crosslinked polyalkylammonium polymer, *Int. J. Pharm.* 173(1-2) : 87-92

Chebli, C. and Cartilier, L. (1998) Cross-linked cellulose as a tablet excipiect : a bonding/disintegraing agent, *Int. J. Pharm.*, 171 : 101-110.

Colombo, P. and Nikolaos, A.P. (1989) Development of disintegration force during water penetration in porous pharmaceutical analysis, *J. controlled Release* 10 : 245-250.

Colombo, P., Caramella, C., Conte, U. and Manna, L.A. (1981) Disintegration force and tablet properties, *Drug Dev. Ind. Pharm.*, 7(2) : 135-153.

Colombo, P., Conte, U., Caramella, C. and Manna, A.L. (1984) Disintegration force as a new formulation parameter, *J. Pharm. Sci.*, 73(5) : 701-705.

Doelken, E. (1993) Comparative compaction properties of various microcrytalline cellulose types and generic product, *Drug Dev. Int. Phar.* 19 : 2399-2471.

Doelker, E. Massuelle, D. Veuillez, F. and Humbert-Droz, P. (1995) Morphological, packing, flow and tableting properties of new Avicel type, *Drug Dev. Ind. Pharm.* 21(6) : 643-661

Dor, P.J.M. and Fix, J.A. (2000) In vitro determination of disintegration time of quick-dissolve tablets using a new method, *Pharm. Dev. Tech.*, 5(4) : 575-577.

Douglas, C Montgomery (1991). Introduction to factorial design. in Design and analysisperiments 3 rd edition (197-249), New York : Courier companies, Inc.

Ferrari, F., Bertoni, M., Bonferoni, N.C., Rossi, S., Caramella, C. and Nystrom, C. (1996) Investigation on bonding and disintegration properties of pharmaceutical materials, *Int. J. Pharm.*, 136 : 71-79.

Gissinger, D. and Stamm, A. (1980) A comparative evaluation of the properties of some tablet disintegrants, *Drug Dev. Ind. Pharm.*, 6(5) : 511-536.

Gorman, E.A., Rhodes, C.T. and Rudnic, E.M. (1982) An evaluation of croscamellose as a tablet disintegrant in direct compression systems, *Drug Dev. Ind. Pharm.*, 8(3) : 397.

Herbert, A. Lieberman, Leon Lachman and Joseph, B. Schwartz (1989) Pharmaceutical dosage forms : tablet volume 1, 2nd edition. New York.

Hess, H. (1978) Tablets under the microscope, *Pharm. Technol.*, 2(9) : 36.

Kanig, J.L. and Rudnic, E.M. (1984) The mechanism of disintegrant action, *Pharm. Tech.*, April : 50-62

Kerf, M.D., Mondelaers, W., Lahorte, P., Verraet, C. and Remon, J.P. (2001) Characterization and disintegration properties of irradiated starch, *Int. J. Pharm.*, 221 : 69-76.

Khan, G.M. and Zhu, J.B. (1999) Studies on drus release kinetics from ibuprofen-carbomer hydrophilic matrix tablets : influence of co-excipients on release rate of the drug, *J. controlled Release*, 57 : 197-203.

Khan, K.A. and Rhodes, C.T. (1975) Water sorption properties of tablet disintegrants, *Pharm. Tech.*, 64(3) : 447.

Kornblum, S.S. and Stoopak, S.B. (1973) A new tablet-disintegrating agent : cross-linked polyvinylpyrolidone, *J. Pharm. Sci.*, 62(1) : 43.

List, P.H. and Huazzam, U.A. (1979) Swelling the drive-force behind disintegration, *Pharm. Ind.*, 41(11) : 1075.

Lopez-solls, J. and Robles, L.V. (2001) Effect of disintegrants with different hygroscopicity on dissolution of Norfloxacin/Pharmatose DCL 11 tablets, *Int. J. Pharm.*, 216 : 127-135.

Lowenthal, W. (1972a) Mechanism of action of starcs as a tablet disintegrant V. : Effect of starch grain deformation, *J. Pharm. Sci.*, 61(3) : 455-459.

Lowenthal, W. (1972b) Review article : Disintegration of tablets, *J. Pharm. Sci.*, 61(11) : 1695-1711.

Luangtana-Anan, M., Catellani, P.L., Colombo, P., Dinarvand, R., Fell, J.T. and Santi, P. (1992) The role of bond weakening by liquids in the disintegration of tablet, *Eur. J. Pharm. Biopharm.* 38 : 169-171.

Massimo, G., Catellani, P.L., Santi, P., Bettini, R., Vauna, G., Banfanti, A., Maggi, L. and Colombo, P. (2000) Disintegration propensity of tablets evaluation by means of disintegrating force kinetics, *Pharm. Dev. Tech.*, 5(2) : 163-169.

Mitrevej, A. and Hollenbeck, R.G. (1982) Photomicrographic analysis of water vapor sorption and swelling of selected super-disintegrants, *Pharm. Tech.*, 6(10) : 48.

Nogami, H., Nogai, T., Fukyoka, E. and Sonobe, T. (1969), *Chem. Pharm. Bull.* 17 : 145a

Nystrom, C., Alderbom, G., Duberg, M. and Karehill, P.G. (1993) Bonding surface area and bonding mechanism two important factor for the understanding of powder compactability, *Drug Dev. Ind. Pharm.* 19 : 2143-2196.

Podczeck, F. and Miah, Y. (1996) The influence of particle size and shape on the angle of internal fraction and the flow factor of unlubricated and lubricated powder, *Int. J. Pharm.* 144 : 187-194.

Ringard, J. and Guyot-Hermann, A.M. (1981) Disintegration mechanisms of tablets containing starches : hypothesis about the particle-particle replusive force, *Drug Dev. Ind. Pharm.*, 7(2) : 155.

Ringard, J. and Guyot-Hermann, A.M. (1988) Calculation of disintegrant critical concentration in order to optimize tablets disintegration, *Drug Dev. Ind. Pharm.*, 14(15-17) : 2321-2339.

Rizk, S., Barthelemy, C., Duru, C. and Guyot-Hermann, A.M. (1997) Invesyigation on a new modified USP xanthan with tablet disintegrating properties, *Drug Dev. Ind. Pharm.* 23(1) : 19-26.

Roche-Johnson, J., Wang, L.H., Gordon, M.S. and Chowhan, Z.T. (1991) Effect of formulation solubility and hygroscopicity on disintegrant effiency in tablets prepared by wet granulation in terms of disolution, *J. Pharm. Sci.* 80(5) : 469-471.

Rockville, M.D. (1998) United states pharmacopeia, 23 rd edition. NF. 18 (pp.4659-4660), The united states pharmacopeial convention.

Rudnic, E.M. and Rhodes, C.T. (1982) Evaluation of the mechanism of disintegrant action, *Drug Dev. and Ind. Pharm.*, 8(1) : 87-108.

Rudnic, E.M., Lausier, J.M., Chilamkurti, R.N. and Rhodes, C,T. (1981a) Stusy of the utility of cross-linked polyvinylpyrolidone as a tablet disintegrant, . *Drug Dev. Ind. Pharm.*, 6 : 291.

Rudnic, E.M., Rhodes, C.T., Bavitz, J.F. and Schwartz, J.B. (1981b) Some effect of relative low level of eight tablet disintegrants on a direct compression system, *Drug Dev. Ind. Pharm.*, 7(3) : 347.

Rundic, E.M., Kanig, J.L. and Rhodes, C.T. (1983) The effect of molecular structure on the function of sodium starch glycolate in wet granulated system, *Drug Dev. Ind. Pharm.*, 9(3) : 303.

Sakr, A.m. and Elsabbagh, H.M. (1976) Effect of particle size distribution on the disintegrating efficiency of guar gum, *Pharm. Ind.*, 38(8) : 732.

Schwatz, J.B. and Zelinskie, J.A. (1978) The bonding and disintegrant properties of the corn starch fraction : amylose and amylopectin, *Drug Dev. Ind. Pharm.*, 4(5) : 463.

Shangraw, R., Mitrevej, A. and Shar, M. (1980) A new era of tablet disintegrants, *Pharm. Technol.*, October : 49-57.

Shangrew, R.E., Mitrevej, A. and Shah, M. (1980) A new era of tablet disintegrants, *Pharm. Tech.*, 4(10) : 49.

Shangrew, R.E., Wallace, J.W. and Bowers, F.M. (1981) Morphology and functionality in tablet excipients for direct compression : part II, *Pharm. Tech.*, 5(10) : 44.

Te Wierik, G.H.P., Eissents, A.C., Bergsma, J., Arends-Scholte, A.W. and Lerk, C.F. (1997) A new generation of starch products as excipient in pharmaceutical tablets II : high surface area retrograded pregelatinized potato starch product sustain-release tablets, *J. controlled Release*, 45 : 25-33.

Tsai, T. (1998) Modification of physical characteristics of microcrystalline cellulose by codrying with β-cycrodextrins, *J. Pharm. Sci.* 87 : 117-122.

Visavarungroj, N. and Remon, J.p. (1990) Crossinked starch as a disintegrating agent, *Int. J. Pharm.*, 62(Jul) : 125-131.

Wade, A. and Weller, P.J. (1994) Handbook of prarmaceutical excipients, 2 ed. London : The Phaemaceutical Press.

Westerhuis, J.A., Haan, P.D., Zwinkels, J., Jansen, W.T. and Coenegracht, P.J.M. (1996) Optimisation of the composition and production of manitol/microcrystalline cellulose tablets, 143 : 151-162.

Wu, J.S., Ho, H.o. and Sheu, MT. (2001) Influence of wet granulation and lubrication on the powder and tableting properties of codried product of mocrocrystalline cellulose with β-cyclodextrin, *Eur. J. Pharm. Biopharm.* 51 : 63-69.

Yotwimonwat, S. (1990) Modification of cassava starch by heat-moisture treatment as a tablet disintegration. Master' s thesis. Chiang Mai University, Chiang Mai.

Yunxia Bi, Hisakazu Sunada, Yorinobu Yonezawa, Kazumi Danjo, Akinobu Otsuka, and Kotaro Iida (1996) Preparation and evaluation of a compressed tablets rapidly disintegrating in the oral cavity, *Chem. Pharm. Bull.*, 44(11) : 2121-2127.

ธวัชชัย งามสันติวงศ์. (2543). *SPSS for window 4 th edition : หลักการและวิธีใช้คอมพิวเตอร์ในงานสถิติเพื่อการวิจัย*. กรุงเทพฯ : เซ็นจุรี จำกัด.

ปราโมทย์ ทิพย์ดวงตา. (2539). *ยาเม็ด*. เชียงใหม่ : คณะเภสัชศาสตร์ มหาวิทยาลัยเชียงใหม่.

ภูริวัฒน์ ลี้สวัสดิ์. (2543). *ออพติไมเซชั่น การประยุกต์ทางเทคโนโลยีเภสัชกรรม*. เชียงใหม่ : คณะเภสัชศาสตร์ มหาวิทยาลัยเชียงใหม่.

มานี เหลืองธนะอนันต์. (2534). *สารช่วยในยาเม็ด*. นครปฐม : คณะเภสัชศาสตร์ มหาวิทยาลัยศิลปากร.

สยาม แก้ววิชิต. (2540). *SPSS for window กับการจัดการข้อมูลทางเภสัชศาสตร์*. เชียงใหม่ : คณะเภสัชศาสตร์ มหาวิทยาลัยเชียงใหม่.