

## REFERENCES

1. Bronnsack, A.H., "Polyplasdone<sup>(R)</sup> XL, A New, highly Active Disintegrating Agent For Solid Drug Forms," Pharm. Ind., 38(12), 1181-1185, 1976.
2. Bhatia, R.P., Desia, K.J. and Sheth, B.B., "Disintegration / Compresibility of Tablets using CLD and Other Excipients," D & CI 120(4), 38-52, 171-175, 1978.
3. Gissinger, D. and Stamm A., "A Comparative Study of Cross-linked Carboxymethylcellulose as Tablet Disintegrant," Pharm. Ind., 42(2), 189-192, 1980.
4. Miller, R.A., Down, G.R.B., Yates, C.H. and Millar, J.F., "An Evaluation of Selected Tablet Disintegrants. Influence of Disintegrants and Compressional Force on the Dissolution of Acetaminophen Tablets," Can. J. Pharm. Sci., 15(3), 55-58, 1980.
5. Gorman, E.A., Rhodes, C.T. and Rudnic, E.M., "An Evaluation of Crosscarmellose as a Tablet Disintegrant in Direct Compression Systems," Drug Dev. Ind. Pharm., 8(3), 397-410, 1982.
6. Kornblum, S.S. and Stoopak, S.B., "A New Tablet Disintegrating Agent : Cross-Linked Polyvinylpyrrolidone," J. Pharm. Sci., 62(1), 43-49, 1973.

7. Rudnic, E.M., Lausier, J.M., Chilamkurti, R.N. and Rhodes, C.T., "Studies of the Utility of Cross Linked Polyvinylpolypyrrolidine as a Tablet Disintegrant, " Drug Dev. Ind. Pharm., 6(3), 291-309, 1980.
8. Bhargava, H.N., Shah, D., Oza, B. and Anaebonam, A., "Evaluation of Nonfibrous Altagulgite as Dissolution Aid in Tablets," J. Pharm. Sci., 76(11), 257, 1987.
9. Paronen, P., Juslin, M. and Kasnanen, K., "Comparison of Xylan and Some Commercial Materials as Disintegrants in Tablets, " Drug Dev. Ind. Pharm., 11(2 & 3), 405-429, 1985.
10. Roe, T.S. and Chang, K.Y., "The Study of Key-Jo Clay as a Tablet Disintegrator," Drug Dev. Ind. Pharm., 12 (11-13), 1567-1585, 1986.
11. Pongsamart, S. and Markman, N., "Extraction and Purification of Pectin-like Substance from Thai-Fruit Rinds," Research Report, Department of Biochemistry, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok 1989.
12. Rudnic, E.M. and Rhodes, C.T., "Evaluations of the Mechanism of Disintegrant Action, Drug Dev. Ind. Pharm., 8(1), 87-109, 1982.
13. Ingram, J.T. and Lowenthal, W., "Mechanism of Action of Starch as a Tablet Disintegrant I. Factors that Affect the Swelling of Starch Grains at 37 °," J. Pharm. Sci., 55(6), 614-617, 1966.

14. Patel, N.R. and Hopponen, R.E., "Mechanism of Action of Starch as a Disintegrating Agent in Aspirin Tablets," J. Pharm. Sci., 55(10), 1065-1068, 1966.
15. List, P.H. and Muazzam, U.A., "Swelling the Force that Disintegrates," Drugs Made in Germany, 22(4), 161-179, 1977.
16. List, P.H. and Muazzam, U.A., "Swelling-the Force that Disintegrates," Drug Made in Germany, 23(1), 21-24, 1980.
17. Caramella, C., Colombo, P., Conte U., Gazzaniga, A. and La Manna, A., "The Role of Swelling in the Disintegration Process," Int. J. Pharm. Tech. & Prod. Mfr., 5(2), 1-5, 1984.
18. Nurnberg, E., "Experimental Testing of Directly Compressed Tablet Bases," Drug Made in Germany, 16(3), 88-100, 1973.
19. Gissinger, D. and Stamm, A., "A Comparative Evaluation of the Properties of Some Tablet Disintegrants," Drug Dev. Ind. Pharm., 6(5), 511-536, 1980.
20. Caramella, C., Colombo, P., Bettinetti, G, Giordano, F., Conte, U. and La Manna, A., Swelling Properties of Disintegrants," Acta Pharm, Tech., 30(2), 130-139, 1984.
21. Kanig, J.L. and Rudnic, E.M., "The Mechanisms of Disintegrant Action," Pharm. Tech., 13(9), 56-62, 1984.

22. Bolhuis, G.K., Smallegenbroek, A.J. and Lerk, C.F.,  
"Interaction of Tablet Disintegrants and Magnesium Stearate During Mixing, I : Effect on Tablet Disintegration," J. Pharm. Sci. 70(12), 1328-1330, 1981.
23. Mendes, R.W. and Roy, S.B., "Tabletting Excipients, Part II,"  
Pharm. Tech., 2(9), 61-109, 1978.
24. Mendes, R.W. and Roy, S.B. "Tabletting Excipients, Part III,"  
Pharm. Tech., 3(3), 69-75, 1979.
25. Shangraw, R.F. Wallace, J.W. and Bowers, F.M., "Morphology and Functionality in tablet excipients for Direct Compression : Part II," Pharm. Tech., 5(10), 44-60, 1981.
26. Van Kamp, H.V., Bolhuis, G.K., de.Boer, A.H., Lerk, C.F. and Lie-A-Huen, L., "The Role of Water Uptake on Tablet Disintegration," Pharm. Acta Helv., 61(1), 22-29, 1986.
27. Lowenthal, W., "Mechanism of Action of Tablet Disintegrants," Pharm. Acta. Helv., 48(11/12), 589-609, 1973.
28. Bolhuis, G.K., "Effect of Variation of Degree of Substitution, Crosslinking and Purity on the Disintegration Efficiency of Sodium Starch Glycolate," Acta Pharm. Tech., 30(1), 24-32, 1984.

29. Ingram, J.T. and Lowenthal, W., "Mechanism of Action of Starch as A Tablet Disintegrant III. Factors Affecting Starch Grain Damage and Their Effect on Swelling of Starch Grains and Disintegration of Tablets at 37 °," J. Pharm. Sci., 57(3), 393-399, 1968.
30. Nasipuri, R.N. and Omotosho, J.A., "Influence of Surfactant-treated Starch on the Disintegration and Dissolution of Sulphadiazine Tablets," J. Pharm. Pharmacol., 37(3), 21-213, 1985.
31. Highuchi, T., Narsimha Rao, R., Busse, L.W. and Swintosky, J.V., "The Physics of Tablet Compression II. The Influence of Degree of Compression on Properties of Tablets," J. Amer. Pharm. Ass. Sci. Ed., 42(4), 194-200, 1953.
32. Nyqvist, H. and Nicklasson, M., "The Effect of water Sorption on Physical Properties of Tablets Containing Microcrystalline Cellulose," Int. J. Pharm. Tech. & Prod. Mfr., 4(3), 67-73, 1983.
33. Lerk, C.F., Bolhuis, G.K. and de Boer, A.H., "Effect of Microcrystalline Cellulose on Liquid Penetration in and Disintegration of Directly Compressed Tablets," J. Pharm. Sci., 68(2), 205-211, 1979.
34. Hess, H., "Update'87, Pharm. Tech., 11(6), 69, 1987.
35. Mitrevej, A., and Hollenbeck, R.G., "Photomicrographic Analysis of Water Vapor Sorption and Swelling of Selected Super-Disintegrants," Pharm. Technol., 6 (10), 48-54, 1982.

36. Vadas, E.M., Down, G.R.B. and Miller, R.A., "Effect of Compressional Force on Tablets Containing Cellulosic Disintegrators I : Dimensionless Disintegration Values," J. Pharm. Sci., 73(6), 781-783, 1984.
37. Lowenthal, W., "Disintegration of Tablets," J. Pharm. Sci., 61(11), 1695-1711, 1972.
38. Guyout-Hermann, A.M., "Disintegration Mechanisms of Tablets Containing Starches. Hypothesis about the Particle-Particle Repulsive Force," Drug Dev. Ind. Pharm., 7(2), 155-177, 1981.
39. Caramella, C., Colombo, P., Conte, U., and La Manna, A., "Tablet Disintegration Update : The Dynamic Approach," Drug Dev. Ind. Pharm., 13(12), 2111-2145, 1987.
40. Colombo, P. et. al. "Disintegrating Force and Tablet Properties," Drug Dev. Ind. Pharm., 7(2), 135-153, 1981.
41. Caramella, C., Colombo, P., Conte, U., Ferrari, F., La mannam A., Van Kamp, H.V. and Bolhuis, G.K., "Water Uptake and Disintegrating Force Measurements : Towards a General Understanding of Disintegration Mechanisms," Drug Dev. Ind. Pharm., 12(11-13), 1749-1766, 1986.
42. Modrzejewski F., Wochna L., "Swelling Capacity of Tablet Disintegrants," Acta Polon. Pharm., 22(4), 305-310, 1965.1

43. De Beukelaer, P., Van Ooteghem, M. and Ludwing, A., "The Influence of the Swelling Characteristics of Starch and Starch Derivatives on the Disintegration of Powders, Packed in Hard Gelatin Capsules," Drug Dev. Ind. Pharm., 11(2 & 3), 431-439, 1985.

**VITAE**

Miss Ruedeegorn Kiatmonkong was born on August 25, 1965, in Songkhla province. She got her Bachelor degree in Pharmacy with 1<sup>st</sup> honour in 1987 from Faculty of Pharmacy, Prince of Songkhla University.

