The Impact of Mass Customization, Logistics, Product Quality to Customer Loyalty-An Product Quality to Customer ...

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ABSTRACT

According to the data from the Department of Statistics, Ministry of the Interior, R.O.C., it showed that percentage of Elders (citizen with age of 65 and over) was only 2.5% to the general population in the year of 1951. However, it rose to 9.5% in 2004, and showed that we formally entered the "advanced age society" which identified by the WHO of the UN. For that, the property of the medical treatment will act the more important role comparing to other industries in Taiwan. Economic situation varies from minute to minute. It 's the time of the supply greater than the want. Face the competition of the low price from the products made in China, the enterprises have fallen into the predicament hitherto. A lot of new production managements appear, customization or full quality management becomes one of the important topics. Near the years, the study based on the point of the sales of the enterprise, service quality and satisfied degree is stressed on how to establish and maintain the customer 's faithfulness. The customer is the source of the enterprise 's profit and the faithful customer is the principal cause of the long-term profit to the enterprise. The study aims mainly how a great deal of customization, logistics capability and the quality of the products to influence the customer 's faithfulness. The result of the study displays that a great deal of customization doesn 't make any remarkable influence to the customer 's faithfulness in the domestic market, but it indeed influence the oversea market. The overall situation isn 't influenced apparently. The influence on logistics capability is unremarkable no matter in the international or domestic market. But the quality of the products has an outstanding influence to the customer 's faithfulness in the international and domestic markets. The great deal of customization, logistics capability and the quality of the products exist the remarkable connections. The enterprise should focus on the quality of the products and treat it as the primary topic. With the stable quality, fit to customer 's needs, promote the enterprise to be as the supplier of the personalized merchandise, the enterprise can get the stable profit through the establishment of the customer 's faithfulness.

Keywords: A great deal of customization, Logistics capability, The quality of the products, Customer's faithfulness

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REFERENCES

一、中文部分 1.王啟彰,2004,彈性製造能力、物流能力與大量客製化及顧客價 值關係之研究-國內資訊電子業之實證,東華大學碩士 論文。 2.王國榮,2004,線上遊戲品質與公平性對顧客滿意度及忠誠度, 東吳大學碩士論文。 3.尤奕清,2005,服務品質與信任對顧 客忠誠度的影響-以奇摩拍賣 網站為例,大同大學碩士論文。 4.李賢哲,2004,服務品質與信任對顧客忠誠度的影響-以奇摩拍賣 網站為 例。大同大學碩士論文。 5.李永年,1998,商品品質與服務品質對顧客滿意度及忠誠度之影 響-以加油站為例,國立政治大學碩士論文 。 6.林羿君,2005,資訊系統整合能力、物流能力、夥伴關係緊密度 對供應鏈管理績效、競爭優勢及財務績效影響之分析-以台灣高 科 技製造業為例,國立東華大學碩士論文。 7.林羿廷,2005,我國金融控股公司成立後顧客價值、滿意度、顧 客忠誠度與顧客獲利力關 連性之研究-以銀行信用卡部門為例。 大業大學碩士論文。 8.林偉修 , 2003 , 產品品質、服務品質與顧客購後行為關係之研究: 以辦公家 具個案公司為例,國立臺灣大學碩士論文。 9.林進財,1999,『資料倉儲建構之管理課題:以電信業為例』,大葉 大學事業經營研究所 碩士輪文。 10.林彩梅, 1992, 多國籍企業, 五南圖書公司。 11.周文賢。民國91年6月。多變量統計分析。智勝文化事業。初版。 12. 吳雅雯,2004,汽車貨運業之市場導向與績效之研究 -以物流能 力為中介變數,國立臺北科技大學碩士論文。 13.吳萬益、林清河。民 國89 年12 月。企業研究方法。華泰文化 事業。初版。 14.吳思華,1996。策略九說。台北:麥田出版社。 15.吳美勳,1998,『組織記憶 與學習機制關係之研究』,政治大學 企研所碩士論文。 16.汪昭芬,2000,『組織學習、知識創造,知識蘊蓄輿創新績效之 關聯性研 究:科技製造業、一般製造業及服務業之實證』,成功 大學企業管理學系碩士論文。 17.阿保榮司,1990。物流戰略的展開。白桃書房 。21-22。 18.柯宜君,2000,消費者認知之產品品質、服務品質及價格對滿 意度及忠誠度之影響-於三種有形性比重不同服務業之比較 ,國 立政治大學碩士論文。 19.姚嘉勳,2005,產品涉入對知覺產品品質及購買意願之干擾效 應--國際知名數位相機為例,大葉大學碩 士論文。 20.莊舜德,2000,落實供應鏈管理對企業製造目標、物流能力以 及經營績效關係之研究,國立成功大學碩士論文。 21.張政 獻,2002,大量客製化的生產規劃與管理,國立台灣科技 大學碩士論文。 22.陳順宇,2004。多變量分析(三版)。台北市:華泰書局。 23.陳祺斌, 2003, 消費者之產品品質認知對顧客滿意度及品牌忠 誠度之影響 以台北市隱形眼鏡藥水市場為例, 大同大學碩士論文 24.陳 元,2002,大量客製應用在跨國電腦週邊企業的個案研究,台灣科技大學碩士論文。25.陳俊穎,2002。設計生產(DTO)經營模式之 大量客製— 以 NIKE 為例。國立台灣科技大學工業管理所碩士論文。 26.陳添枝、顧瑩華,1995,台灣中小企業海外投資的特徵,經濟 前瞻,中華經濟研究院。 27.葉焜煌,2005,以時間基礎的製造與大量客製化的做法對顧客 價值的影響 以中小企業為例。大同大學碩士 論文。 28.曹為實,1988,國外買主對我國產品品質評價與購買意願之研 究-以十二項產品為例,台灣大學碩士論文。 29.盧建良 , 1994, 產品品質、成本、價格對企業利潤的影響, 國 立成功大學碩士論文。 30.謝明祥, 2000, 大量客製化之理論與實務作法, 台灣 科技大學 碩士論文。 31.謝國龍 ,1998,物流交貨彈性能力的決定因子與事業績效關係 之研究,銘傳大學碩士論文。 32.葉宴伶, 2004 ,消費者購買行為對顧客滿意度與顧客忠誠度 之 關連性研究-以冷凍調理食品產業為例,中原大學碩士論文。 33.黃俊英,2000。多變 量分析(七版)。台北:中國經濟企業研究所。 34.廖森貴,1998。物流策略環境不確定與組織績效關係之研究 - 資訊電子業的實證研究 。國立台灣大學商學研究所博士論文。 35.劉常勇,1997,『技術資源管理能力對新產品開發績效影響之研 究』,中華民國科技管理研 討會論文集,pp.83-89,高雄:中山大 學管理學院。 36.蘇雄義,2000,台灣資訊製造業和物流業之協同整合研究 以T 公司為例,大同大 學碩士論文。 37.莫懷恩,2000,RFID 的技術、發展、導入與物流的管理應用 ,國立中央大學碩士論文。 二、英文部分 1.Adams, M. E., Day, G. S. & Doughherty, D. 1998. nhancing New Product Development Performance: An Organizational Learning Perspective? Journal of Production Innovation Management, Vol. 15, pp. 403-422. 2. Aaker, D. A. (1996), Strategic market management, 2nd ed., New York: John Wiley. 3.Bagozzi, R. P. (1980). Causal Models in Marketing. New York: Wiley. Bagozzi, R. P. and Yi, Y. (1988). On the Evaluation of Structural Equation Models. Academy of Marketing Science, 16, 76-94. 4. Berman, B. (2002). Should your firm adopt a Mass Customization strategy.Business Horizon, July-august, 51-60. 5.Bovet, D., Martha, J. H., and Kramer K. (2000). Value Nets: Breaking the SupplyChain to Unlock Hidden Profits. New York: John Wiley & Sons Inc. 6.Boyton, A. C., Victor, B., and Pine, B. J. (1993) . New Competitive Strategies:hallenges to Organizations and Information Technology. IBM Systems 7.Browne, J., Dubois, d., Rathmill, K., Sethi, S. P., and Stecke, K. E. (1984). Classification of Flexible Manufacturing System. The FMS Magazine, 2 (2), 8.Butz, H. E. Jr., and Goodstein L. D. (1996). Measuring Customer Value: Gaining the Strategic Advantage. Organizational Dynamics, Winter, 63-77. 9. Baker, W. E. & Sinkula, J. M. 1999. he Synergistc Effect of Market Orientation and Learning Orientation on Organizational Performnce? Journal of the Academy of Marketing Science, 27 (4), pp. 411-427. 10.Badaracco, J. 1991. The Knowledge Link: How Firms Compete through strategic Alliances, Boston, Mass: Harvard Business School. 11.Betz, F. 1993, amging Technology Competing Through New Ventures? Innovation, and Corporate Research, Prentice Hall. 12.Bierly, P. & Chakrabarti, A. 1996. eneric Knowledge Strategues in the US Pharmaceutical Industry? Strategic Management Journal 17 (Winter), pp. 123-135. 13. Brown, J. S. & Duguid, P. 1998. rganizing Knowledge? California Management Review, 40 (3), pp. 90-111. 14.Blumentritt, R. & Johnston, R. 1999, owards a Strategy for Knowledge Management? Technology Analysis & Strategic Management, 11 (3), pp. 287-301. 15.Brucks, M.and Zeithaml (1991). The Effects of Product Class Knowledge on Information Search Behavior, Journal of Consumer Research, 12, 1-16. 16.Buzacott, J. A. (1982). The Fundamental Principles of Flexibility in Manufacturing Systems. Proceedings of the 1st International Congress on Flexible Manufacturing Systems, Brigton, England. 13-22. 17. Chen, I. J., Calantone, R. J., and Chung, C. H. (1992). The Marketing Manufacturing Interface and Manufacturing Flexibility. Omega, 431-443. 18. Coleman, D. (2000). Groupware. Upper Saddle River, New Jersey: Prentice Hall. 19. Campbell, J. P. 1997. anagement by Enlightened Self-interest: Technique Versus Kindness? Health Care Supervisor, 16 (2), pp. 48-57. 20. Campbell, D. R. & Fiske, D. W. 1959. onvergent and Discriminant Validation by Mulli~ait-Multirnethod Malrix,? Psychological Bulletin, 56, pp. 81-105. 21. Cohen, D. 1998. oward a Knowledge Context: Repot on the First Annual UC Berkeley Forum on Knowledge and the Firm? California Management Review, pp.40-106 22. Crosby, D. J. and P. C. Riesz (1979), "Prices and Price/Quality Relationships: A Longitudinal Analysis," Journal of Marketing, 52 (Jan.), pp.36-51. 23. Cohen, W. M. &

```
Leventhal, D. A. 1990. bsorptive Capacity: ANew Perspective on Learning and Innovation? Administrative Science Quarterly, 35 (1), pp.
128-132. 24.Cooper, R. G. & Kleinschmidt, E. J. 1985. he Impact of Export Strategy on Export Sales Performance? Journal of International
Business Studies, 16 (Spring), pp. 37-55. 25. Copacino, C. S., Guzman, M. R. T. D., & Carlo, G. (1997). "Mass Customization: How
Logistics Makes It Happen, "Logistics Management and Distribution Report 37, no. 4 (1998): 49-52. 26. Crosby, James H. and B. Joseph II
Pine. "The Four Faces of Mass Customization," Harvard Business Review 75, no. 1 (1979): 91-101. 27. Charles W. L. Hill, (2001),
"International Business", McGraw-Hill. 28.Daugherty, P. J. and Pittman P. H. (1995). Utilization of Time-based Strategies. International
Journal of Operations and Production Management, 15 (2), 54-60. 29. Daugherty, P. J., Stank, T. P., and Ellinger, A. E. (1998). Leveraging
Logistics Distribution Capabilities: The Effect of Logistics Service on Market Share. Journal of Business Logistics, 19 (2), 35-51. 30. Davis, S.
(1987). From future perfect: Mass Customization. Planning Review, 17 (2), 16-21. 31. Davenport, T. H. 1997, An Principles of Knowledge
Management and Four Case Studies? Knowledge and Process Management, 4 (3), pp. 187-208. 32. David, F. R. 1998. Strategic Management,
6th edition, NJ: Prentice Hall. 33.Dmcker, P. F. 1969. The Age of Discontinuity: Guidelines to Our Changing Society, New York: Harper & Row.
34.Ding, L., Velicer, W., and Harlow, L. (1995). Effect of Estimation Methods, Number of Indicators per Factor and Improper Solutions on
Structural Equation Modeling Fit Indices. Structural Equation Modeling, vol. 2, 119-143, 35. Fawcet, S. E., Stanley, L. L., and Smith, S. R. (1997)
). Developing a logistics capability to improve the performance of international operations. Journal of business logistics, 18 (2), 107-121.
36.Fay, C. (1994) "Royalties from Loyalties," Journal of Business Strategy 15, March/April, 47-51. 37.Frederick, N. Loyalty: Customer
Relationship Management in the New Era of Internet Marketing (London: McGraw-Hill, 2000). 38. Fawcett, S. E., and S. R. Smith, "Logistics
measurement and performance for United States-Mexican operations under NAFTA, "Transportation Journal, Spring, 1995, pp. 25-34.
39. Fahey, L. & Pmsak, L. 1998, he Eleven Deadliest Sins of Knowledge Management California Management Review, 40 (3), Spring, pp.
265-276. 40.Gale, B. T., (1994) Managing Customer Value: Creating Quality and Service that Customers Can See, New York: The Free Press.
41.Gerwin, D. (1993). Manufacturing flexibility: A Strategic Perspective. Management Science, 39 (4), 395-410. 42.Gooley, T. B. (1998)
). Mass Customization: How logistics makes it happen. Logistics Management and Distribution Report, April, 49-54. 43. Garvin, D. A. (1984).
Product quality: An important strategic weapon. Business Week, March-April, 40-43. 44. Gates, B. 1999. Business at the Speed of Thought:
Succeeding in the Digital Economy, Warner Books 45. Glazer, R. 1996. easuring the Knower: Towards a Theory of Knowledge Eguity? California
Management Review, 40 (3), pp. 175-194. 46.Grant, R. M. 1997. Knowledge-base view of the firm: Implication for management practice?
Long Range Planning, 30 (3), pp. 450-454. 47. Garrity, E. J., & Siplor, I.C. 1994. "Multimedia as a Vehicle for Knowledge Modeling in ~
Systen/', Expert System with Application, 7 (3), pp.397-406. 48.Han, J., and Han D. (2001). A Framework for Analyzing Customer Value
of Internet Business. The Journal of Information Technology Theory and Application, 3 (5), 25-38. 49. Heskett, C. R. and M. Pfaff, (1994).
Consumer Satisfaction with Food Products and Marketing Services, Economic Research Service, U. S. Department of Agriculture, Agricultural
Economic Report No.281. 50. Hair, J. F., , Tathama, R. L. & Black, W. C. 1998. Multivariate Data Analysis with Readings, New York: Macmillan.
51. Hansen, M. T. and B. yon Oetinger 2001. "Introducing T-shaped Managers: Knowledge Management's Next Generation? Harvard Business
Review, March, pp. 106-116. 52. Hansen, M. T., Nohria, N., & Tierney, T. 1999. hat Your Strategy for Managing Knowledge?? Harvard Business
Review, March-April, pp. 106-116. 53. Hargadon, A. B. 1998. firms as Knowledge Brokers: Lessons in Pursuing Innovation? California
Management Review, 40 (3), pp. 209-227, 54, Hedlund, G. 1994, Model of Knowledge Management and the N-Form Corporation? Strategic
Management Journal, 15, pp. 73-90. 55. Hills, C. W. & Jones, G. R. 1998. Strategic Management Theory, 4th edition, Houghton Mifflin
Company. 56. Howells, J. 1996. Tacit Knowledge, Innovation and Technology Transfer, [~Technology Analysis & Strategic Management, 8 ( 2
), pp. 91-106. 57. Inkpen, A. C. 2000. Learning Through Joint Ventures: A Framework of Knowledge Acquisition? Journal of Management
Studies, 37 (3), pp. 1019-1043. 58. Johnson, H. T. & Kaplan, R. S. 1988. Management by Accounting Is Not CFO? Boston, July, 4 (7), pp.
6-8. 59. Kay, M. J. (1993). Making Mass Customization Happen: Lessons for Implementation. Planning Review, Jul-Aug, 21 (1), 14-18.
60. Kotha, S. (1995). Mass customization: implementing the emering paradigm for competitive advantage. Strategic Management Journal, 16,
21-42. 61. Kotha, S. (1996). From Mass Production to mass Customization: The Case of the National Industrial Bicycle Company of Japan.
European Management Journal, 14 (5), 442-450. 62. Kotler, P. (1989). From Mass Marketing to Mass Customization. Planning Review, 17
(5), 10-13. 63. Kotler, P., and Armstrong, G. (1994). Principles of Marketing. (6th ed.). New Jersey: Prentice Hall. 64. Kotler, P. (1999).
). Marketing Management. (10th ed.). New Jersey: Prentice Hall. 65. Kandampully J., "Service Quality to Service Loyalty: A relationship
which goes Beyond Customer Service, "Total Quality Management 9, no.6 (1998): 431-443. 66. Koste, L. L., and Malhotra, M. K. (1999).
A theoretical framework for analyzing the dimensions of manufacturing flexibility. Journal of Operations Management, 18, 75-93. 67. Lynch, D. F.,
Keller, S. B., and Ozment, J. (2000). The effect of logistics capabilities and strategy on firm performance. Journal of Business Logistics, 21 (2
), 47-68. 68. Lambert, Stock and Ellram, 1998, "Making mass customization happen," International Journal OF Physical Distribution &
Logistics Management, Bradford, Vol. 24, Iss. 3, pp.11. 69. Leonard-Barton, D. 1995. Y~ellsprings of Knowledge, Harvard. Business School Press,
Massachusetts. 70.Li, T. & Calantone, R. J. 1998. he Impact of Market Knowledge Competence on New Product Advantage: Conceptualization
and Empirical Exmination? Journal of Marketing, 62 (4), pp. 13-29. 71. Lincoln, J. R., Ahmadijian, C. L. & Mason, E. 1998. rganizational
Learning and Purchase-supply Relationship in Japan: Hitachi, Matsushita, and Toyota Compared? California Management Review, 40 (3),
pp. 241-264. 72. Mandelbaum, M. (1978). Flexibility in Decision Making: An Exploration and Unification. Unpublished doctoral dissertation,
University of Toronto, Canada. 73. Mascarenhas, B. (1981). Planning for Flexibility. Long Range Planning. 14 (9), 78-82. 74. Monroe, M. D.,
```

Guiltinan, A., (1975). The Evolution and Future of National Customer Satisfaction Index Models. Journal of Economic Psychology, 22, 217-245. 75. Morgan R. M. & Hunt S. D. (1994). "The Commitment-Trust Theory of Relationship Marketing", Journal of Marketing, Vol.58, July, pp.20-38. 76. Machlup, F. 1962. The Production and Distribution of Knowledge in the United States, Princeton, N.J.: Princetion University Press. 77. Madsen, T. K. 1989. uccessful Export Marketing Management: Some Empirical Evidence? International Marketing Review, 6 (4), pp. 41-57. 78. Mathews, J. A. 1999. From National Innovation Systems to National Systems of Learning: The Case of Technology Diffusion Management in East Asia, DRUID summer conference paper, 79. Morash, E. A., Droge, C. L. M., and Vickery, S. K. (1996). Strategic Logistics Capabilities for Competitive Advantage and Firm Success. Journal of Business Logistics, 17 (1), 1-22. 80. Nunnally, J. C. (1978). Psychometric theory. (2nd ed). New York: MacGraw- Hill. 81.Olson, E. M., Walker, O. C., & Ruekert, R. W. (1983). Organizing for effective new product development: The moderating role of product innovativeness. Journal of Marketing, 59 (1), 48-62. 82. Pine, B. J. (1993). Mass Customization: The New Frontier in Business Competition. Boston, MA: Harvard Business School Press. 83.Pine, B. J. and Gilmore, J. H. (1997). The Four Faces of Mass Customization. Harvard Business Review, Jan-Feb, 91-101. 84. Peppers, D. and M. Salter, (1993), Building Relationships One Customer at a time (New York: The One to One Future). 85. Sullivan, and Anderson, (1990). The Antecedent and Consequence of Customer Satisfaction for Firm, Marketing Science, 12: 25-43. 86. Sethi, A. K., and Sethi, S. P. (1990). Flexibility in Manufacturing: A Survey. The International Journal of Flexibility System, 2 (4), 289-328. 87. Silveira, G. D., Borenstein, D., and Fogliatto, F. S. (2001). Mass Customization: Literature review and research direction. International journal of production economics, 72, 1-13. 88.Steenkamp, A., L. (1990). "A Conceptual Model of Service Quality and Its Implications for Future Research," Journal of Marketing 49, no. 4, 41-53. 89. Slack, N. (1983). Flexibility as a Manufacturing Objective. International Journal of Operations and Production Management, 3 (3), 4-13. 90. Stank, T. P., and Lackey, C. W. (1997). Enhancing performance through logistical capabilities in Mexican maguiladora firms. Journal of business logistics, 18 (1), 91-111. 91. Suarez, F. F., Cusumano, M. A., and Fine, C. H. (1996). An Empirical Study of Flexibility in Printed Circuit Board Assembly. Operation research, 44 (1), 223-240. 92. Toffler, A. (1970). Future Shock. New York: Bantam. 93. Treacy, M., and Wiersema, F. (1993). Customer intimacy and other value disciplines. Harvard Business Review, 41, Jan-Feb, 84-93. 94. Tu, Q., Vonderembse, M. A., and Rang-Nathan, T. S. (2001). The impact of time-based manufacturing practices on mass customization and value to customer. Journal of Operation Management, 19, 201-217. 95. Upton, D. M. (1994). The Management of Manufacturing Flexibility. California Management Review, 36 (2), 72-89. 96. Upton, D. M. (1995). Flexibility as Process Mobility: the Management of Plant Capabilities for Quick Response Manufacturing. Journal of Operations Management, 12 (3-4), 205-224. 97. Woodruff, R. B. (1997). Customer Value: The Next Source for Competitive Advantage. Journal of the Academy of Marketing Science, 25 (2), 139-155. 98. Young A., and Feigin, D (1975), "What Does Product Quality Really Mean?," Sloan management Review 26, (1984): 25-43. 99. Zhao, M., Droge, C., and Stank, T. (2001)). The Effects of Logistics Capabilities on Firm Performance: Customer-focused versus information-Focused Capabilities. Journal of Business Logistics, 22 (2), 91-107. 100. Zipkin, P. (2001). The limits of Mass Customization. MIT Sloan Management Review, Spring, 81-87. 101. Zhang, Qingyu, Mark A. Vonderembse, and Jeen-su Lim. 2003 "Manufacturing Flexibility: Defining and Analyzing Relationships among Competence, Capability, and Customer Satisfaction, "Journal of Operations Management 21, no.2: 173-191. 102. Zhang, D. 2003. oward a Knowledge Context: Repot on the First Annual UC Berkeley Forum on Knowledge and the Firm? California Management Review, pp.40-106 103. Zeithaml, V. A. 1988. "Consumer Perceptions of Price, Quality, and Value: A Means-end Model and Synthesis of Evidence," Journal of Marketing, Vol. 52, July, pp. 2-22. 104. Zhang, Q., Vonderembse, M. A., and Lim, Jeen-Su. (2003). Manufacturing flexibility: defining and analyzing relationships among competence, capability, and customer satisfaction. Journal of Operations Management, 21, 173-191. 105. Zeithaml, V. A. and A. Kirmani (1993), "Advertising, Perceived Quality, and Brand Image," in Aaker, David A.and Alexander L. Biel, eds., Brand Equity & Advertising: dvertising 's Role in Building Strong Brand, Iowa City: Lawrence Erlbaum Associates, Inc., 143-161.