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CUSTOMER SATISFACTION: A COMPARATIVE STUDY BETWEEN GOVERNMENT AND PRIVATE HOSPITAL

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MASTER OF SCIENCE (MANAGEMENT) UNIVERSITI UTARA MALAYSIA NOVEMBER 2011

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CUSTOMER SATISFACTION: A COMPARATIVE STUDY BETWEEN GOVERNMENT AND PRIVATE HOSPITAL

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THIS PAPER IS SUBMITTED TO COLLEGE OF BUSINESS AS A PART OF FULLFIMENT OF MASTER OF SCIENCE (MANAGEMENT) UNIVERSITI UTARA MALAYSIA



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ABSTRAK

Kajian ini dijalankan untuk mengkaji tahap kepuasan pesakit luar bagi dua buah

hospital yang berbeza terhadap kualiti perkhidmatan yang disediakan. Tahap

kepuasan diukur melalui perbezaan di antara jangkaan dan persepsi pesakit luar bagi

kualiti perkhidmatan yang terdapat di hospital berkenaan. Kajian perbandingan ini

dijalankan terhadap sebuah hospital kerajaan dan sebuah hospital swasta di Ipoh,

Perak. Instrumen SERVQUAL yang diadaptasi digunakan dalam kajian ini. Analisis

kajian dilakukan dengan menggunakan Pakej Statistik Sains Sosial (SPSS). Bilangan

responden yang terlibat dalam kajian ini adalah seramai 162 orang iaitu mewakili

sebanyak 42.6% daripada populasi persampelan. Secara keseluruhannya, 48%

responden berpuashati dengan kualiti perkhidamatan di hospital swasta. Manakala

44% responden berpuashati dengan kualiti perkhidmatan di hospital kerajaan. Secara

khususnya Perkhidmatan penyampaian dan Perkhidmatan persekitaran mempunyai

hubungan yang positif terhadap kualiti perkhidmatan yang kaitan dengan tahap

kepuasan bagi pesakit luar. Bagaimanapun peningkatan secara berterusan adalah

diperlukan bagi perkara-perkara seperti tempoh masa yang lama semasa pendaftaran

dan tempoh masa yang lama semasa mendapatkan rawatan dan konsultasi.

Peningkatan yang berterusan ini adalah penting bagi meningkatkan kualiti

perkhidmatan bagi kedua-dua jenis hospital.

Kata kunci: SERVQUAL, pesakit luar, kepuasan, jangkaan, persepsi

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ABSTRACT

This study was conducted to investigate the level satisfaction of the outpatients in

two different types of hospitals. The level of satisfaction is measured by the gap

between expectation and perception of outpatients towards service quality of health

care service provider. This comparative study was between government hospital and

private hospitals in Ipoh, Perak. The adapted of SERVQUAL instrument was used in

this study. The analysis was carried out by using the Statistical Package for Social

Science (SPSS). The numbers of respondents that involves in the research was 164

respondents that represented about 42.6 % of the sample population. Overall, 48 %

of the respondents were satisfied with quality of services provided by the private

hospital. Meanwhile 44 %, of respondents were satisfied with the services provided

by the government hospital. Specifically; Service Delivery and Service Environment

have positive relationship with Service Quality of the outpatients' satisfaction.

However continuous improvement is needed especially in the area such as waiting

time at the registration counter and long waiting time to received treatment and

consultation. This improvement is for betterment of the service quality provided by

both types of hospitals.

Keywords: SERVQUAL, outpatients, satisfaction, expectation, perception

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Lastly, I offer my regards and blessings to all of those who supported me in any respect during the completion of the research.

ABBREVIATION

FOMCA: Federation of Malaysian Consumer Association

LE : Life Expectancy

MOF : Ministry of Finance

MOH : Ministry of Health

NCCC: National Consumer Complaint Center

NKRA : National Key Results Area

PCB : Public Complaint Bureau

WHO : World Health Organization

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CHAPTER ONE

INTRODUCTION

1.1 Overview

Malaysia is composed of Peninsular Malaysia and the states of Sabah and Sarawak on the island of Borneo. The land total area of Malaysia is about 33,252 square kilometres. It comprise of 13 states and 3 federal territories. The average annual growth rate for Malaysia dropped to 2.17% for the 2000–2010 periods as compared with 2.60% for 1991-2000 and 2.64% for 1980-1991. In the year 2010, the population of Malaysia is about 27,565,821 people.

In the year 2010, the percentage of the categories of age that below 20 years is about 18.0% while 5.9% is above 60 years old. Life expectancy (LE) for at birth for both genders has increased over the year. In the year 2005, the life expectancy for males are 70.6 years and females are 76.4 years. The LE for males and females had improved further to 71.7 years and 76.5 years in the year 2007 (Vital Statistics of Malaysia, 2009). The improvement in quality of life were contributed by the service quality of health care that been provided by government and private sector.

The health care delivery system that is strategically designed to improve the health status of the population is one that focuses on wellness and

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REFERENCES:

- Alasad, J.A., & M.M. Ahmad (2003). Patients Satisfaction with Nursing Care in Jordan, *International Journal of Health care Quality Assurance*
- Anderson, E.W., Fornell, C, & Lehman, D.R. (1994). Customer Satisfaction, market share, and profitability: Findings from Sweden, *Journal of Marketing*, Vol. 58, 1994, 53-66
- A.M Haliza, A.M Rizal,& R.A.M Raja Jamaluddin (2005). Kepuasan Pelanggan Di Kalangan Pesakit Luar Klinik Kerajaan dan Klinik Swasta Di Seremban Negeri Sembilan, *Jurnal Kesihatan Masyarakat* 2005, Jilid 11
- A.M.Haliza,& R.A.M Raja Jamaluddin (2003). Kajian Kepuasan Pelanggan Di Kalangan Pesakit Klinik Swasta Di Seremban Negeri Sembilan, *Jurnal Kesihatan Masyarakat* 2003, Jilid 9
- Andaleeb S.S.(1998). Determinants of Customer Satisfaction with Hospitals:

 A Managerial Model, International Journal of Health Care Quality

 Assurance, Vol. 11 Iss: 6, pp.181 187
- Babakus, E., & Mangold, W.G. (1992). Adapting the SERVQUAL Scale to Hospital Services: an Empirical Investigation, *Health Services Research*, Vol. 26 No. 2, February, pp. 767-86.
- Bitner, M.J.(1990). Evaluating Service Encounters: The Effects of Physical Surroundings and Employees Responses, *Journal of Marketing*, Vol. 54, (April), 69-82.
- Buttle, F.(1996). SERVQUAL: Review and Critique Research Agenda, European Journal of Marketing, 30 (1) 8-32
- Choi, K.S., Lee, H., Kim, C., & Lee, S.(2005). Service Quality Dimensions and Patient Satisfaction Relationships in South Korean: Comparisons Across Gender, Age, and Types of Service, *Journal of Services Marketing*, Vol. 19, No. 3, pp. 140-149.
- Churchill, GA & Iacobucci, D (2004) Marketing Research: Methodological Foundations, 9th.ed, Thomson South-Western, Ohio.
- Cronin, J.J. & Taylor, S.A. (1992). Measuring Service Quality: A Reexamination and Extension, *Journal of Marketing*, 56, pp 55-68.

- Crosby, P B.(1984). Paper presented to the "Bureau de Commerce," Montreal, Canada (Unpublished), November
- Dean, A.M. (1999). The Applicability of SERVQUAL in Different Health care Environments, *Health Marketing Quarterly*, Vol. 16 No. 3, pp. 1-15.
- Economic Planning Unit, (1996). Prime Minister's Department, Seventh Malaysia plan 1996- 2000 Chapter 17 Percetakan Nasional Berhad
- Ford, R.C., Bach, S.A & Fotler, M.D (1997). Method of Measuring Patients Satisfaction in Health care Organisation, *Health care Management Review*, Vol 22 No 2 pp 74-89
- Fornell, C. (1992). A National Customer Satisfaction Barometer: the Swedish Experience, *Journal of Marketing*, Vol. 56, p. 6-12.
- Friedenberg, R.M. (1997). The Next Medical Revolution Should be Quality. Radiology, 204 (1), 31A-34A
- Gabbott, M. & Hogg, G.(1998). Consumers and Services, Wiley, Chichester.
- G.Gamini (2010). Total Experience as a Dimension of Quality in Services -A Study in the Health Care Industry, California State University Fullerton, Fullerton, CA, U.S.A.
- Hair, JF, Bush, RP & Ortinau, DJ.(2003). Marketing Research: Within a Changing Information Environment, 2nd ed. McGraw-Hill/ Irwin, New York
- Hoffman, D.& Bateson, J.E.G (2006). Service Marketing Concept, Strategies & Cases, Thomson South Western, United States of America
- Johnston, R., Clark, G.(2001). *Service Operations* Management.Prentice-Hall, Harlow, UK.
- Juran, J M.(1988). Planning for Quality. New York: The Free Press

- Kekre, S., Mayuram S. K., & K. Srinivasan.(1995). Drivers of Customer Satisfaction for Software Products: Implications for Design and Service Support *Management Science*, Volume: 41, Issue: 9
- Kotler, P.(1973) Atmospherics as a Marketing Tool, *Journal of Retailing*, Vol.49, No.3: 139-152.
- Krejcie, R. V., & Morgan, D. W. (1970). Determining Sample Size for Research Activities. Educational and Psychological Measurement, 30, 607-610.
- Lim, P.C. & Tang, N.K.H.(2000). A Study of Patients' Expectations and Satisfaction in Singapore Hospitals, *International Journal of Health Care Quality Assurance*, Vol. 13 No. 7,pp. 290-9.
- Linder-Pelz S (1982). Social Psychological Determinants of Patient Satisfaction: a Test of Five Hypotheses. *Social Science Medical Journal*; 16:583-9.
- Lee, H., Lee, Y., & Yoo, D. (2000). The Determinants of Perceived Service Quality and its Relationship with Satisfaction, *Journal of Service Marketing*, Vol.14, No.3, pp. 217-231.
- McDougall, G.H.G. & Levesque, T.J. (1994). A Revised View Of Service Quality Dimensions: An Empirical Investigation, *Journal of Professional Services Marketing*, Vol. 11 No. 1,pp. 189-209.
- Ministry of Health Malaysia Health Information Management system Blueprint,(2010). Towards Excellence in Health Information Management (unpublished)
- M.Nasir, R. Fatimah, & N.Yuslinida (2008). Aplikasi Kawalan Logik Kabur Dalam Penilaian Kualiti Perkhidmatan Hospital, *Jurnal Teknologi* Edisi 49
- Oliver, R.L. (1981). Measurement and Evaluation of Satisfaction Process in Retail Settings, *Journal of Retailing*, Vol. 57, No. 3, pp. 25-48.
- Oliver, R.L. & DeSarbo, W.S.(1988). Response Determinants in Satisfaction Judgments, *Journal of Consumer Research*, Vol. 14, pp. 495-507.
- Orava, M. Touminen, P.(2002). Curing and Caring in Surgical Services: A Relationship Approach, *The Journal Services of Marketing*, pp 41-50

- Oxford Advanced Learner's Dictionary (2000). Oxford University Press, 6th Edition, Oxford, United Kingdom
- Pakdil, F. & Harwood, T.N. (2005). Patient Satisfaction in a Preoperative Assessment Clinic: an Analysis Using SERVQUAL Dimensions, Journal of Total Quality Management, Vol. 16 No. 1,pp. 15-30.
- Pascoe, G.C. (1983). Patient Satisfaction in Primary Health care: a Literature Review and Analysis , *Evaluation and Program Planning*, Vol. 6 Nos 3-4, pp. 185-210
- Parasuraman, A., Berry, L., & Zeithaml, V (1985). A Conceptual Model of Service Quality and Its Implication for Future Research. *Journal Marketing*. 49;41-50
- Parasuraman, A., Zeithaml, V. & Berry, L.L. (1988). SERVQUAL: a Multiple-item Scale for Measuring Consumer Perceptions of Service Quality, *Journal of Retailing*, Vol. 64, Spring, pp. 12-40.
- Parasuraman, A., Zeithaml, V.& Berry, L. (1994). Reassessment of Expectations as a Comparison Standard in Measuring Service Quality: Implication for Future Research, *Journal of Marketing*, pp.111-124.
- Patterson, P.G.(1993). Expectations and Product Performance as Determinants of Satisfaction for a High-involvement Purchase, *Psychology and Marketing*, Vol. 10, No. 5, pp. 449-465.
- R.A.M Raja Jamaluddin (2001). Mengujudkan Budaya Kualiti Di Klinik-Klinik Jagaan Kesihatan Primer Swasta, *Jurnal Kesihatan Masyarakat* Jilid 7.
- Reichheld FF & Sasser WE (1990). Zero Defections: Quality Comes to Services, *Harvard Business Review*, September-October, 105-111
- Rust, R.T. & Oliver, R.L (1994). Service Quality; New Direction Theory and Practice. Thousand Oaks, California, Sage Publication
- Taylor, S.A. & Baker, T.L.(1994). An Assessment of the Relationship Between Service Quality and Customer Satisfaction in the Formation of Consumers' Purchase Intentions, Journal of Retailing, Vol. 70, No.2, pp 163-178.

- Taylor, S.A. & Cronin, J.J. Jr.(1994). Modeling Patient Satisfaction and Service Quality, Journal of Health Care Marketing, Vol. 14 No. 1, pp. 34-44.
- T.Taner & J. Anthony.(2006). Comparing public and private hospital care service quality inTurkey, Leadership in Health Services, Vol 19
- Scardina SA. (1994). SERVQUAL: A tool for evaluating patients satisfaction with nursing care, *Journal Nursing Care Quality* Vol 8
- Vital Statistics of Malaysia, (2009). Department of Statistics Malaysia Percetakan Nasional Berhad
- Wolosin, R.J. (2007), Hospital Level Relationship Between Safety Culture and Service Quality
- Wong, J.(2002) Service Quality Measurement in a Medical Imaging Department, *International Journal of Health Care Quality Assurance*, Vol. 15 No. 2, pp. 206-12.
- Youseff, F., Nel, D. & Bovaird, T. (1996). Service quality in NHS hospitals, Journal of Management in Medicine, Vol. 9 No. 1, pp. 66-74.
- Y. Zulnadi.(2009). Komitmen Kakitangan Sebagai Pemoderat Hubungan Antara Amalan Pengurusan Kualiti Dan Kepuasan Pelanggan, *Jurnal Kemanusiaan* Bil 14 Universiti Sains Malaysia
- Ziethaml, V.A., Bitner, M.J., & Gremler, D.D.(2006). Service Marketing: Integrating Customer Focus Across Firm, McGraw Hill, Singapore
- Zikmund, W.G.(2003). Bussiness Research Methods, Thomson South-Western, United States of America.
- Zineldin, M.(2006). The Quality of Health Care and Patients Satisfaction: An Explanatory Investigation of the 5Qs Model at Some Egyptian and Jordanian Medical Clinics, *International Journal Health Care Quality Assurance*, 19 (1), 60-92.