

**AWARENESS, ACCEPTANCE, AND PERCEPTION
OF MALAYSIA'S VISION 2020 CHALLENGES
AMONG UNIVERSITY STAFF MEMBER**

**A thesis submitted to the Graduate School in partial
fulfillment of the requirements for the degree
of Master of Science (Management)**

BY

Mohd. Shoki Bin Md. Ariff

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ABSTRAK

Sejumlah 222 borang soal selidik telah diedarkan kepada kakitangan kumpulan Pengurusan dan Profesional di UTM dan UUM untuk menentukan: (i) tahap kesedaran dan penerimaan mereka terhadap Cabaran Wawasan 2020 dan persepsi kesukaran mengatasi Cabaran berkenaan; (ii) hubungan diantara kesedaran kakitangan mengenai Cabaran Wawasan dengan penerimaan dan persepsi mereka; dan (iii) pengaruh faktor sosio-demografi iaitu jantina, umur, tempat kerja dan jenis tugas keatas penerimaan dan persepsi kakitangan terhadap Cabaran berkenaan. Skil lima Likert digunakan bagi mengukur maklum balas responden. Analisa keatas 145 borang yang dikembalikan dibuat melalui ujian 'Pearson Correlation', 't-Test' dan 'ANOVA' bagi menentukan samada terdapat hubungan dan perbezaan yang signifikan keatas 10 hipotesis kajian dengan tahap kebolehpercayaan .05.

Keputusan menunjukkan: (i) terdapat hubungan positif yang signifikan diantara kesedaran kakitangan mengenai Cabaran Wawasan dengan penerimaan mereka. Ini menunjukkan kesedaran kakitangan mempunyai pengaruh keatas penerimaan mereka terhadap Cabaran berkenaan; (ii) terdapat perkaitan yang signifikan diantara kesedaran kakitangan dengan persepsi mereka mengenai kesukaran mengatasi Cabaran Wawasan. Perkaitan ini adalah ditahap yang sangat rendah atau hubungan yang boleh diabaikan; dan (iii) terdapat perbezaan purata yang signifikan dalam persepsi kakitangan mengenai kesukaran mengatasi Cabaran Wawasan mengikut tempat kerja--UTM dan UUM. Keputusan kajian juga mengesahkan, tidak terdapat perbezaan purata yang signifikan dalam penerimaan kakitangan terhadap Cabaran Wawasan 2020 mengikut faktor sosio demografi--jantina, umur, tempat kerja dan jenis tugas; dan tidak terdapat perbezaan purata yang signifikan dalam persepsi kakitangan mengenai kesukaran mengatasi Cabaran Wawasan dari segi jantina, umur dan jenis tugas.

Kakitangan sedar mengenai sembilan Cabaran strategik Wawasan 2020 yang perlu dihadapi bagi merealisasikan Wawasan berkenaan. Diantara kesembilan Cabaran, kakitangan mempunyai kesedaran paling tinggi keatas Cabaran 2--Mengwujudkan masyarakat Malaysia yang maju, manakala Cabaran 5--Menubuhkan masyarakat liberal dan bertolak ansur yang matang, merupakan Cabaran yang paling tinggi dari segi penerimaan kakitangan. Cabaran 8--Memastikan masyarakat yang adil dalam bidang ekonomi, muncul sebagai Cabaran yang paling sukar diatasi. Selanjutnya, kakitangan yakin (68%) bahawa Cabaran Wawasan dapat diatasi. Hasil kajian menunjukkan Wawasan 2020 diterima dan ianya telah disampaikan kepada umum dengan baik. Cadangan program dan tindakan yang berkaitan dengan peranan universiti dalam membantu negara merealisasikan Wawasan 2020 diketengahkan dan dibincangkan.

ABSTRACT

Two-hundred and twenty-two questionnaires were distributed to all university staff members (those in the professional and managerial groups) of Universiti Teknologi Malaysia and Universiti Utara Malaysia to examine: (i) their level of awareness and acceptance of Malaysia's Vision 2020 Challenges and how they perceived the difficulties in overcoming the Challenges; (ii) the relationship between their awareness and acceptance of, and their perception of difficulties in meeting the Challenges; and (iii) the influence of socio-demographic features of gender, age, work site and work setting assignment on their acceptance of and their perception of difficulties in overcoming the Challenges. Staff member's responses were measured using a five-point Likert-type scale. The returned questionnaires, 145 of them, were analyzed using the Pearson Correlation, t-Test and ANOVA to determine any significant relationship and differences among the 10 hypotheses at the .05 level of significance.

The findings revealed that: (i) there was a positive significant relationship between staff awareness and staff acceptance of the nine Challenges of Malaysia's Vision 2020. This indicated the staffs' awareness of the Challenges had some degree of influence in their acceptance of the Challenges; (ii) there was a relationship between staff awareness of the Challenges and their perception of the difficulties in overcoming the Challenges, at a slight correlation or negligible relationship; and (iii) there was a significant mean difference in the staffs' perception of the difficulties in overcoming the Challenges according to the work sites. The results indicated that there were no significant mean differences in the staffs' acceptance of the Challenges according to their demographic features of gender, age, work site, and work setting assignment; and there were no significant mean differences in the staffs' perception of the difficulties in overcoming the Challenges according to gender, age and work assignment.

Staff are aware of the nine central strategic Challenges they must face in realizing the Vision. Among these nine, staff were most aware of *Challenge 2--Creating a developed Malaysian society*, while *Challenge 5--Establishing a mature, liberal and tolerant society*, appeared to be the most accepted Challenge. *Challenge 8--Ensuring an economically just society*, was perceived as the most difficult Challenge to overcome. In addition, the staff were 68 percent confident that the nine Challenges could be overcome. The findings indicated the Vision is accepted and has been well communicated. Programs and actions related to the role of the universities in assisting the nation to realise the Vision were discussed.

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Mohd. Shoki Md. Ariff
Graduate School
Universiti Utara Malaysia
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CHAPTER ONE

INTRODUCTION

1.1 Introduction

This chapter presents the context of the study, problem statement, objectives, significance, scope, assumptions, limitations, definition of terms, and finally, the organization of the report.

1.2 The Context of the Study

Malaysia's Vision 2020 provides a clear direction to the people of Malaysia as they strive to achieve developed nation status. This desired future state was expressed in the Prime Minister's original presentation of the Vision to business leaders in February 1991. Both public and private organizations, in their planning and development are being directed to align their goals and objectives with those of the Vision in order to attain the desired outcome. All Malaysian people are preparing to equip themselves with the needs and requirements expressed as necessary to achieve the goal of the Vision.

Malaysia will not achieve its goals as spelled out in Vision 2020 if it does not overcome the nine central strategic Challenges. The realization of the Vision depends on the ability of Malaysia's people to commit and work towards meeting the requirements of the Vision. Since the original presentation of the Vision, the Honorable Dr. Mahathir Mohamad, Prime Minister of Malaysia, has continuously articulated and communicated both the Vision and the actions all segments of society must pursue necessary for achievement. Government ministers continuously attempt to stimulate people's awareness and commitment to the Vision as they are encouraged to work for its realization. Several national

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Bibliography

- Abdul Ghafar B. (1993). "Statements by the Deputy Prime Minister of Malaysia" In Ahmad Sarji A. H. (Ed.). **Malaysia's Vision 2020; Understanding the Concepts, Implications, and Challenges.** (pp. 53-66). Kuala Lumpur: Pelanduk Publs.
- Abdullah A.R. (1993). "Malaysia Incorporated: Private Sector-Public Sector Collaboration" In Ahmad Sarji A. H. (Ed.). **Malaysia's Vision 2020; Understanding the Concepts, Implications, and Challenges.** (pp. 53-66). Kuala Lumpur: Pelanduk Publs.
- Ahmad Sarji A.H. (1993). **Malaysia's Vision 2020; Understanding the Concepts, Implications, and Challenges.** Kuala Lumpur: Pelanduk Publs.
- Ahmad Tajuddin A. New Strait Times. 29 June 1991.
- Ali Abu Hassan S. (1993). "Creating a Viable Economic Base for Malaysia Towards 2020" In Ahmad Sarji A. H. (Ed.). **Malaysia's Vision 2020; Understanding the Concepts, Implications, and Challenges.** (pp.151-206). Kuala Lumpur: Pelanduk Publs.
- Ansoff, H.I. (1988) **The New Corporate Strategy.** New York: John Wiley & Sons.
- Anwar I. New Strait Times. 12 May 1992.
- Arnold, H.J. (1986). **Organizational Behavior.** New York: McGraw-Hill.
- Awang Had Salleh. New Strait Times. 3 September 1991.
- Bass, B.M. (1990). "From Transactional to Transformational Leadership: Learning to Share the Vision". **Organizational Dynamics.** Vol. 18, Iss. 3, pp. 19-31.
- Bennis, W. and Nanus, B. (1985). **Leaders, The Strategies for Taking Charge.** New York: Harper & Row Publ.

- Bradmore, D., Joy, S. and Kimberley, C. (1993). **Marketing Visions, Classical and Topical Readings**. Sydney: Prentice Hall.
- Campbell, A., Devine, M., and Young, D. (1990). *A Sense of Mission*. London: The Economist Books Limited.
- Campbell, A. and Tawadey. K. (1990). **Mission and Business Philosophy**. Oxford: Butter-worth-Heinemann Limited.
- Chell, E. (1987). **The Psychology of Behavior in Organizations**. London: The Macmillan Press Limited.
- Coulson-Thomas, C. (1993). "Strategic Vision or Strategic Con? Rhetoric or Reality". **International Review of Strategic Management, Vo1.4**. pp.87-103.
- Coulson-Thomas, C. and Colin, J. (1992) "Quality: Where Do We Go From Here?". **International Journal of Quality and Reliability, 9, 1**. pp. 38-55.
- Cox, D. and Hoover, J. (1992). **Leadership When the Heat's On**. New York: McGraw-Hill, Inc.
- Crawford, C.M. (1983). **New Product Management**. Illinois: Richard D. Irwin, Inc.
- Dalila A.M. (1991). Introduction. in Mahathir M. (Speech) "The Meaning of Vision 2020". Seremban.
- David, B.J. (1992). "The Needs for Sensation and the Adoption Process". **Mid-Atlantic Journal of Business. vol. 28, Iss.1, March**, pp. 15-29.
- Davis, R.E. (1991). **Response to Innovation in a Zarma Village: Contemporary Tradition in Niger, West Africa**. Unpublished Doctoral Dissertation. The University of Connecticut.
- De Lozier, M.W. (1976). **The Marketing Communications Process**. New York: McGraw-Hill Book Company.
- De Vito J.A. (4th. Ed.) (1988). **Human Communication; The Basic Course**. New York: Harper & Row, Publ.
- Digman, L.A. (1990) (2nd. Ed.). **Strategic Management; Concepts, Decisions, Cases**. Illinois: Richard D. Irwin, Inc.

- Doherty, E.T. (1990). **A Diffusion of Innovations Model Applied to Family Planning Education in Honduras**. Unpublished Doctoral Dissertation. University of Florida.
- Dooris, M.J. (1992). **The Organization of University-Industry Research Linkages: Biotechnology Programs, Centers, and Institutes**. Unpublished Doctoral Dissertation. The Pennsylvania State University.
- Drever, J. (1952). **The Penguin Dictionary of Psychology**. Penguin Books.
- Eastlick, M.A. (1993). "Predictors of Videotex Adoption". **Journal of Direct Marketing**. Vol.7, Iss. 3, Summer, pp. 66-74.
- El-Namaki, M.S.S. Sunday Times. 6 July 1991.
- El-Namaki, M.S.S.(1992). "Creating a Corporate Culture". **Long Range Planning**, Vol. 25, No.6. pp.2529.
- Embinder, J. (1990). "Outlook on Imaging". **Bankers Monthly**. Vol. 107, Iss. 9, Sept., pp. A1-A2.
- Fisher, R., Dawkins, L. and Akin, R. (1994). "The Human Resource Development Needs of Malaysia: Achieving Vision 2020". **Malaysia Management Review**, Vol. 29, Sept. MIM.
- Foong, L.C. (1968). **Suggested Criteria as Framework for the Selection of Guiding Education Factors Towards National Integration and Development in the Newly Emerging Countries, with Special Application to Malaysia**. Unpublished Doctoral Dissertation. University of Iowa.
- Goodstein, L.D., Nolan, T.M. and Pfeiffer, J.W. (1993). **Applied Strategic Planning**. New York: McGraw-Hill, Inc.
- Grindley, K. (1988). "End Users are Key to Success". **Datamation**, Vol. 34, Iss. 4, 1 April, pp. 100-101.
- Guilford, J.P. (1978) **Fundamental Statistics in Psychology and Education**. New York: Mc-Graw-Hill.

- Hanke, J.E. and Reitsch, A.G. (1991) **Understanding Business Statistics**. Homewood, Ill.: Richard D.Irwin, Inc.
- Harlan, W.K. (1991) **Factors Affecting California Community College Administrators' Acceptance of or Resistance to State-Mandated Reforms of Academic Employment Practices**. Unpublished Doctoral Dissertation. University of San Francisco.
- Harper, F.D. (1981). **Dictionary of Counselling Techniques and Terms**. Alexandria: Douglass Publisher.
- Healey, J.F. (1993). **Statistics: A Tool for Social Research**. California: Wadsworth Pubs. Company.
- Hellriegel, D. and Slocumn, J.W. (1992). **Management Contingency Approaches**. Reading: Addison-Wesley.
- Herbig, P.A. and Day, R.L. (1992). "Customer Acceptance: The Key to Successful Introductions of Innovations". **Marketing Intelligence & Planning**. Vol.10, Iss.1, pp. 4-15.
- Hickman, C.R. and Silva, M.A. (1984). **Creating Excellence, Managing Corporate Culture, Strategy, and Change in the New Age**. London: George Allen & Unwin.
- Himmelfarb, P.A. (1992). **Survival of the Fittest; New Product Development During the 90's**. New Jersey: Prentice Hall Int.
- Kamaruddin J. and Hazami H. (ed.) (1993). **Wawasan 2020**. Kuala Lumpur: Institut Kajian Dasar, 1993.
- Kavarsky, M.I. (1991) **Leadership, Interpersonal Relationships, and Collaboration: A Comparative Study of Organizational Structure in Three Middle Schools (Abstract)**. Unpublished Doctoral Dissertation. Fordham University.
- Kossek, E.E. (1989). **The Acceptance of Human Resource Innovation; Lesson for Management**. Connecticut: Greenwood Press, Inc.

- Kouzes, J.M. and Posner, B.Z. (1989). **The Leadership Challenge**. San Francisco: Jossey-Bass Publ.
- Kuczmariski, T.D. (2nd. Ed.) (1992). **Managing New Products; The Power of Innovation**. New Jersey: Prentice Hall Int.
- Latiff Sher M. (1992). **From Visions to Mission Statements; Managing Resources Effectively**. Kuala Lumpur: SMPP Management Consultants.
- Leedy, P.D. (4th. Ed.) (1989). **Practical Research; Planning and Design**. New York: Macmillan Publ. Company.
- Lewin, M.(1979). **Understanding Psychological Research**. New York: John Wiley & Sons.
- Lytle, J.F. (1993). **What Do Your Customers Really Want?** Kuala Lumpur: Golden Books Centre Sdn. Bhd.
- Mahathir M. (1991). **Malaysia: The Way Forward**. Centre for Economic Research and Services, Kuala Lumpur.
- Mahathir M. New Strait Times. 22 May 1991.
- Mahathir M. New Strait Times. 3 September 1991.
- Mahathir M. (1991). **The Meaning of Vision 2020. (Speech)**, Seremban.
- Mahathir M. (1991). The Second Outline Perspective Plan, 1991-2000. (Speech). Kuala Lumpur.
- Mahathir M. New Strait Times. 14 September 1992.
- Mahathir M. (1993). **Malaysia: Powerhouse of the Nineties**. (Speech). Kuala Lumpur.
- Mahathir M. New Strait Times. 12 October 1993.
- Mahathir M. (1994). "Making Competitiveness a Thoroughly Characteristic". 2020, **Vo1.2, No.1, Jan./Feb.** pp.27-31.
- Makhtiar S.A.K. (1993). **Awareness and Perception of Managers in a Manufacturing Organization Regarding Total Quality Management**. Un-published Master's Thesis. Universiti Utara Malaysia.

- Malaysian Institute of Management. (1988). **Marketing Management**. Kuala Lumpur: Pelanduk Publications (M) Sdn. Bhd.
- Malaysia 2020. (1994). "Technological Competitive Towards 2020". **The National Council for Research and Development**.
- Malek M. (1993). "Towards a Competitive and Resilient Economy: The External Dimension" In Ahmad Sarji A. H. (Ed.). **Malaysia's Vision 2020; Understanding the Concepts, Implications, and Challenges**. (p. 133-150). Kuala Lumpur: Pelanduk Publs.
- Middlebrooks, C.L. (1991). **Employee Involvement and Organization Performance**. Unpublished Doctoral Dissertation. The Pennsylvania State University.
- Miller, L.J. (1991). **Perceptions of Alabama Middle School Teachers and Principals Regarding the Principal's Instructional Leadership Role and Competencies as Developed by Effective School Studies**. Unpublished Doctoral Dissertation. The University of Alabama.
- Mintzberg, H. and Quinn, J.B. (2nd. Ed.) (1991). **The Strategy Process: Concepts, Contexts, and Cases**. New Jersey: Prentice-Hall Int. Ed.
- Mohamad Noordin S. (1993). "Inculcating Moral and Ethical Values in Business" In Ahmad Sarji A. H. (Ed.). **Malaysia's Vision 2020; Understanding the Concepts, Implications, and Challenges**. (pp. 89-98). Kuala Lumpur: Pelanduk Publs.
- Mohd. Sheriff M.K. (1993). "Vision 2020's Linkages with the Sixth Malaysian Plan and the Second Outline Perspective Plan" In Ahmad Sarji A. H. (Ed.). **Malaysia's Vision 2020; Understanding the Concepts, Implications, and Challenges**. (pp. 67-87). Kuala Lumpur: Pelanduk Publs.
- Monk-Tutor, M.R. M.M. (1993). **Factors Influencing the Diffusion of a Health Care Innovation: Adoption of Home Infusion Therapy**

- Services by Community Pharmacists.** Unpublished Doctoral Dissertation. The University of Mississippi.
- Muhammad M.T. New Strait Times. 19 August 1991.
- Murray, L. Sunday Times. 4 July 1991.
- Nanus, B. (1992). **Visionary Leadership; Creating a Compelling Sense of Direction for Your Organization.** San Francisco: Jossey-Bass publs.
- Nickels, W.G. (3rd. Ed.) (1984). **Marketing Communication and Promotion.** New York: John Wiley & Sons, Inc.
- Omar A.R. (1993). "Industrial Targets of Vision 2020: The Science and Technology Perspective" In Ahmad Sarji A. H. (Ed.).**Malaysia's Vision 2020; Understanding the Concepts, Implications, and Challenges.** (pp. 27 1-299). Kuala Lumpur: Pelanduk Publs.
- Parikh, J. and Neubauer, F. (1993). "Corporate Visioning". **International Review of Strategic Management, Vol.4.**
- Quigley, J.V. (1993). **Vision.** New York: McGraw-Hill, Inc.
- Roach, T.W. (1992). **Effective Systems Development in Complex Organizations: A Field Study of Systems Development and Use in The United States Army Medical Department.** Unpublished Doctoral Dissertation. University of Texas.
- Robbins, S.T. (2nd.Ed.) (1988). **Management, Concepts and Applications.** New Jersey: Prentice-Hall.
- Rowe, A.J., Mason, O.M., Dickel, K.E., and Snyder, N.H. (3rd. Ed.) (1989). **Strategic Management: A Methodological Approach.** California: Addison-Wesley Publs. Company.
- Roxburgh C.D. (1993). "Human Resource Development: The Key Towards a Developed and Industrialized Society" In Ahmab Sarji A. H. (Ed.).**Malaysia's Vision 2020; Understanding the Concepts, Implications, and Challenges.** (pp. 361-368). Kuala Lumpur: Pelanduk Publs.

- Sahibullah M. New Strait Times. 20 October 1991.
- Schermerhom, J.R., Hunt, J.G., and Osborn, R.N. (5th. Ed.) (1994). **Managing Organizational Behavior**. New York: John Wiley & Sons, Inc.
- Schmidt, M.L. (1990). **The Influence of External Environment, Organizational Structure, Leadership style and Organizational Culture on the Implementation of Computer Technology in an Elementary School System**. Unpublished Doctoral Dissertation. University of Windsor.
- Seiler, W.J. (1988). **Introduction to Speech Communication**. Illinois: Scott, Foresman and Comp.
- Sekaran, U. (2nd. Ed.) (1992). **Research Methods for Business; A Skill Building Approach**. Singapore: John Wiley & Sons, Inc.
- Servi, I.S. (1990). **New Product Development and Marketing, A practical Guide**. New York: Praeger Publ.
- Shahreen K. (1993). "Public Relations: An Upsurge of Awareness". **2020 Malaysia Today Into the Future**. January, pp. 38.
- Shahril H. (1994). **The Relationship of Quality of Work Life Programmes and The Influence of Socio-Demographic Factors With Employee Job Satisfaction and Job Involvement**. Unpublished Master's Thesis. Universiti Utara Malaysia.
- Sharma, S. and Bhagi, M. (1992) **Encyclopaedic Dictionary of Psychology**. Vol.1. New Delhi: Anmol Publications.
- Shimp, T.A.(3rd. ed.) (1993). **Promotion Management & Marketing Communications**. Orlando: The Dryden Press.
- Shuter, R. (1984). **Communicating; Concepts and Skills**. New York: Holt, Rinehart and Winston.
- Smith, P.R. (1993). **Marketing Communications; An Integrated Approach**. London: Kogan Page Limited.

- Snyder, N.H., Dowd, J.J., and Houghton, D.M. (1994). **Vision, Values, and Courage; Leadership for Quality Management.** New York: The Free Press.
- Stacey, R. (1993). **Strategic Thinking and Management of Change.** London: Kogan Page Limited.
- Steers, R.M. (1988). **Introduction to Organizational Behavior.** Illinois: Scot, Foresman and Company.
- Steiner, G.A. (1979). **Strategic Planning; What Every Manager Must Know.** New York: The Free Press.
- Stratton, P. and Hayes, N. (1988). **A Student Dictionary of Psychology.** London: Edward Arnold.
- Syed Othman al-Habshi. (1993). "Inculcating Moral and Ethical Values in Business" In Ahmad Sarji A. H. (Ed.).**Malaysia's Vision 2020; Understanding the Concepts, Implications, and Challenges.** (pp. 119-132). Kuala Lumpur: Pelanduk Publs.
- Syed Othman Al-Habshi. (1994) "Mental Change to Cope 2020". **Jurnal IKIM.** pp.1-12.
- Thompson, J.L. (1991). **Strategic Management; Awareness and Change.** London: Chapman & Hall.
- Tregoe, B.B., Zimmerman, J.W., Smith, R.A., and Tobia, P.M. (1989). **Vision in Action; Putting a Winning Strategy to Work.** New York: Kepner-Tregoe, Inc.
- Ungku Abdul Aziz A.H. (1993). "Human Resource Development: The Education and Training Aspect" In Ahmab Sarji A. H. (Ed.).**Malaysia's Vision 2020; Understanding the Concepts, Implications, and Challenges.** (pp.327-359). Kuala Lumpur: Pelanduk Publs.
- Ungku Abdul Aziz A.H. (1993). "Literacy, Numeracy, and Operacy". 2020 **Malaysia Today Into the Future. January,** pp. 32 & 43.

- Van Fleet. (1988) **Contemporary Management**. Masschusetts: Houghton Mifflin Company.
- Watkins T. (1986). **The Economics of the Brand; A Marketing Analysis**. London: The McGraww-Hill.
- Wexley, K.N. and Yukl, G.A. (rv. ed.) (1984). **Organizational Behavior and Personnel Psychology**. Homewood, Ill.: Richard D. Irwin.
- Wilson, L.E. (1989). **An Analysis of Selected Variables Influencing The Nurses in an Acute Care Setting**. Unpublished Doctoral Dissertation. University of Pennsylvania.
- Williams, K.C. (1984). **Behavioural Aspects of Marketing**. London: Heinemann.
- Wolman, B.B. (ed). (1989) **Dictionary of Behavioral Science**. New York: Van Nostrand Reinhold Company.
- Worcester, R. and Downham, J. (3rd. Rev. Ed.) (1986). **Consumer Market Research Handbook**. London: McGraw-Hill Book Comp.