

HUBUNGAN ANTARA KOMPETENSI PEKERJA DAN PRESTASI KERJA DI KALANGAN KAKITANGAN AGENSI KERAJAAN ELEKTRONIK

Tesis ini diserahkan kepada Fakulti Pengurusan Awam dan Undang-Undang
bagi memenuhi syarat ijazah Doktor Falsafah
Universiti Utara Malaysia

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PENAKUAN

“Saya akui karya ini adalah hasil saya sendiri kecuali nukilan dan ringkasan yang tiap-tiap satunya telah saya jelaskan sumbernya”

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ABSTRAK

Penyelidikan ini mengkaji hubungan antara kompetensi kecerdasan intelek (IQ), kecerdasan emosi (EQ), kecerdasan spiritual (SQ) dan prestasi kerja pekerja pengetahuan kumpulan profesional dan sokongan agensi-agensi pemimpin projek perintis Kerajaan Elektronik iaitu Jabatan Perdana Menteri, Jabatan Perkhidmatan Awam, Jabatan Pengangkutan Jalan dan Jabatan Perbendaharaan di Putrajaya. Kajian ini juga mengkaji pengaruh penyederhanaan struktur organisasi, budaya organisasi dan gaya pengurusan dalam hubungan kompetensi IQ, EQ, SQ, dan prestasi kerja.

Sampel kajian terdiri daripada 387 kakitangan awam yang merangkumi 192 pekerja pengetahuan kumpulan profesional dan 195 pekerja pengetahuan kumpulan sokongan di agensi-agensi projek perintis Kerajaan Elektronik. Sepuluh dimensi kompetensi pekerja adalah terdiri daripada *tiga* kompetensi IQ: ilmu perisian komputer, kompetensi penggunaan IT dan kompetensi pengurusan maklumat; *empat* kompetensi EQ: kompetensi kesedaran diri, kompetensi pengurusan diri, kompetensi kesedaran sosial dan kompetensi pengurusan hubungan; dan *tiga* kompetensi SQ: kompetensi pembinaan spiritual, kompetensi pengertian hidup dan kompetensi nilai diri.

Analisis bivariate yang menggunakan kaedah korelasi Pearson menunjukkan bahawa kesemua kompetensi IQ, EQ dan SQ mempunyai hubungan yang positif dengan prestasi kerja kecuali kompetensi IQ ilmu perisian komputer kumpulan profesional yang mempunyai hubungan negatif. Di antara kompetensi-kompetensi IQ, EQ dan SQ yang mempunyai hubungan positif pula, kesemuanya mempunyai hubungan yang signifikan kecuali kompetensi IQ penggunaan IT kumpulan sokongan. Nilai korelasi kompetensi-kompetensi EQ adalah lebih tinggi daripada nilai korelasi kompetensi-kompetensi IQ. Hasil kajian menunjukkan kompetensi-kompetensi EQ mempunyai hubungan yang lebih mempengaruhi prestasi kerja daripada kompetensi-kompetensi IQ. Penemuan ini adalah konsisten dan menyokong dapatan kajian-kajian terdahulu. Namun begitu, kajian ini menghasilkan penemuan baru secara empirik dimana nilai korelasi kompetensi-kompetensi SQ adalah lebih tinggi daripada nilai korelasi kompetensi-kompetensi IQ. Ini bermakna kompetensi SQ lebih mempengaruhi prestasi kerja daripada IQ.

Dapatan melalui analisis multivariate menunjukkan kompetensi IQ, EQ dan SQ bersama-sama menyumbang sebanyak 41.5 peratus variasi dalam prestasi kerja kumpulan profesional, manakala kompetensi IQ, EQ dan SQ bersama-sama menyumbang sebanyak 43.1 peratus variasi dalam prestasi kerja kumpulan sokongan. Regresi *stepwise* pula menunjukkan *lima* kompetensi yang kritikal di kalangan kakitangan profesional iaitu *tiga* kompetensi EQ: kompetensi pengurusan hubungan, kompetensi kesedaran sosial dan kompetensi kesedaran diri; dan *dua* kompetensi IQ: kompetensi pengurusan maklumat dan ilmu perisian komputer yang sama-sama menerangkan 40.8 peratus variasi dalam prestasi kerja.

Untuk kakitangan kumpulan sokongan, keputusan regresi *stepwise* juga menonjolkan *lima* kompetensi utama mempengaruhi prestasi kerja iaitu *dua* kompetensi EQ: kompetensi hubungan pengurusan dan kompetensi kesedaran diri; *dua* kompetensi IQ: kompetensi pengurusan maklumat dan kompetensi penggunaan IT; dan *satu* kompetensi SQ: kompetensi pengertian hidup. Kompetensi-kompetensi ini bersama-sama menyumbang 41.5 peratus varians dalam prestasi kerja .

Dapatan ini menunjukkan terdapat perbezaan yang ketara di antara kumpulan profesional dan kumpulan sokongan. Bagi kumpulan profesional *dua* kompetensi iaitu ilmu perisian komputer dan kompetensi kesedaran sosial secara signifikannya mempengaruhi prestasi kerja. Sebaliknya, bagi kumpulan sokongan *dua* kompetensi iaitu kompetensi pengertian hidup dan kompetensi kesedaran diri secara signifikannya mempengaruhi prestasi kerja. Namun begitu, kompetensi pengurusan hubungan, kompetensi maklumat dan kompetensi kesedaran diri mempengaruhi kedua-dua kumpulan kakitangan awam ini. Hasil kajian ini adalah satu penemuan empirikal yang pertama dalam kajian kompetensi pekerja dan prestasi kerja terhadap pekerja pengetahuan agensi EG.

Analisis regresi hierarki pula menunjukkan bahawa struktur organisasi, budaya organisasi dan gaya pengurusan tidak signifikan dalam mempengaruhi hubungan di antara kompetensi IQ, EQ dan SQ dan prestasi kerja sama ada kakitangan profesional mahupun di kalangan kakitangan sokongan agensi EG di Malaysia

Sementara kajian-kajian lepas hanya memperlihatkan kesan kompetensi IQ dan EQ terhadap prestasi kerja, kajian ini mengemukakan suatu sumbangan asli kepada ilmu iaitu tahap kompetensi IQ, EQ dan SQ yang tinggi secara sepadu perlu ada untuk mencapai prestasi yang lebih tinggi di kalangan kakitangan awam di agensi-agensi EG. Memandangkan keperluan-keperluan kompetensi berubah dalam persekitaran kerja agensi EG, faktor organisasi seperti struktur organisasi, budaya organisasi dan gaya pengurusan perlu menjalani pembaharuan struktur-kelakuan selari dengan perkembangan keperluan-keperluan kompetensi untuk membantu kakitangan awam mencapai prestasi kerja cemerlang.

ABSTRACT

The study examines the relationship between IQ, EQ, SQ competencies and job performance among the knowledge workers of the professional and support groups in the leading Electronic Government pilot project agencies namely the Prime Minister Department, Public Service Department, Road Transport Department and the Treasury Department at Putrajaya. It also examines the moderating effects of organizational structure, organizational culture and management style between the relationship of IQ, EQ, SQ competencies and job performance.

The study sample consists of 387 civil servants comprising of 192 knowledge workers of the professional category and 195 knowledge workers of the support category from the Electronic Government pilot projects agencies. Ten dimensions of the employee competency are *three* IQ competencies: computer software knowledge, knowledge management and IT application; *four* EQ competencies: self awareness, self management, social awareness and relationship management; and *three* SQ competencies: spiritual building, giving the meaning of life and personal values.

The bivariate analysis using the Pearson correlation method indicates that all the IQ, EQ and SQ competencies are positively correlated with job performance except the IQ competency of computer software knowledge among the professional category. Nevertheless all IQ, EQ and SQ competencies which are positively correlated, are significant except IQ competency of IT application of the support category. The correlation values of the EQ competencies are higher than the correlation values of the IQ competencies. This finding suggests that EQ competencies have stronger relationship with job performance than the IQ competencies. This finding is consistent and supports the previous research. However, this research provides new empirical finding where the correlation values of SQ competencies are higher than the correlation values of the IQ competencies.

Multivariate regression results show that the IQ, EQ and SQ competencies collectively contribute to 41.5 per cent variation in job performance among professional category and 43.1 per cent variation in job performance among the support category. On the other hand, the stepwise regression results show that there are *five* critical competencies affecting job performance among the professional category. These competencies consist of *three* EQ competencies: relationship management, self-awareness and social awareness; and *two* IQ competencies: relationship management and computer software knowledge which collectively contribute 40.8 per cent variation in job performance. For the support category, the stepwise regression results also highlight five critical competencies affecting job performance, that is, *two* EQ competencies: relationship management and self-awareness; *two* IQ competencies: information management and IT application, and *one* SQ competency: giving the meaning of life. These competencies collectively contribute 41.5 per cent variation in job performance. This empirical result indicate that there exists a marked difference between the competencies of the professional and the support groups. For the professional group, the computer software knowledge and social awareness competency significantly influence job performance. On the other hand, the competencies of giving the meaning of life and self awareness significantly influence job performance among the support group.

However, relationship management, information management and self-awareness competencies significantly influence both groups' job performance.

The hierarchical regression analysis results show that organizational structure, organizational culture and management style do not significantly influence the relationship between IQ, EQ and SQ competencies and job performance for both categories in Electronic Government agencies in Malaysia

While previous studies only cover the impact of IQ and EQ on job performance, this study offers an original contribution to knowledge, that is, high level of competencies in IQ, EQ and SQ collectively should be present in order to achieve high job performance among civil servants in Electronic government agencies. In view of the changes in competencies of the Electronic Government work environment, organizational factors such as organizational structure, organizational culture and management style ought to undergo both behavioural and structural reforms to be in line with the development in competency needs to assist civil servants producing excellent job performance.

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DAFTAR SINGKATAN

BSS	Borang Soal Selidik
DAU	Development Administration Unit
EG	Electronic Government
EQ	Emotional Quotient
GOE	Generic Office Environment
HRMIS	Human Resource Management Information System
ICT	Information Technology Communication
IQ	Intelligence Quotient
IT	Information Technology
JP	Jabatan Perbendaharaan
JPA	Jabatan Perkhidmatan Awam
JPJ	Jabatan Pengangkutan Jalan
JPM	Jabatan Perdana Menteri
KLCC	Kuala Lumpur City Centre
KLIA	Kuala Lumpur International Airport
MAMPU	Malaysian Administrative Modernization and Management Unit
MCE	Malaysian Certificate of Education
MSC	Multimedia Super Corridor
PMS	Project Monitoring System
SIRIM	Scientific and Industrial Research Institute of Malaysia
SPM	Sijil Persekolahan Malaysia
SQ	Spiritual Quotient
TQM	Total Quality Management
STPM	Sijil Tinggi Persekolahan Malaysia
HSC	High School Certificate

SINGKATAN PEMBOLEHUBAH-PEMBOLEHUBAH

BINASP	Kompetensi Pembinaan Spiritual
BUDORG	Budaya Organisasi
CEKAP	Kecekapan Kerja (Nilaian Kendiri)
CEREMOSI	Kompetensi Kecerdasan Emosi
CERSP	Kompetensi Kecerdasan Spiritual
ERHIDUP	Kompetensi Pengertian Hidup
GAYAURUS	Gaya Pengurusan
GUNAIT	Kompetensi Penggunaan IT
KESAN	Keberkesanan Kerja (Nilaian Kendiri)
KUALITI	Kualiti Perkhidmatan (Nilaian Kendiri)
LATIHIT	Latihan Ilmu Perisian Komputer
MAHIR	Kompetensi Kecerdasan Intelek
NILAIDI	Kompetensi Nilai Diri
PKERJA	Prestasi Kerja
SCEKAP	Kecekapan Kerja (Nilaian Superior)

SEDIRI	Kompetensi Kesedaran Diri
SESOSIAL	Kompetensi Kesedaran Sosial
SKESAN	Keberkesanan Kerja (Nilaian Superior)
SKUALITI	Kualiti Perkhidmatan (Nilaian Superior)
STRUKORG	Struktur Organisasi
URUSDIRI	Kompetensi Pengurusan Diri
URUSHUB	Kompetensi Pengurusan Hubungan
URUSMAK	Kompetensi Maklumat

BAB 1

PENDAHULUAN

1.0 Pengenalan

Kecerdasan intelek (IQ - *intelligence quotient*) iaitu keupayaan berfikir dalam menyelesaikan masalah (Brody dan Brody, 1976; Hunter dan Hunter, 1984), tidak memadai untuk menjadikan seseorang itu pekerja yang kompeten. Dua lagi kecerdasan iaitu kecerdasan emosi (EQ - *emotional quotient*) yang merujuk kepada keupayaan mengetahui dan memahami diri sendiri dan orang lain (Goleman, 2001), dan kecerdasan spiritual (SQ - *spiritual quotient*) yang merujuk kepada kecerdasan meletakkan diri seseorang itu dalam konteks pengertian hidup yang lebih luas (Zohar dan Marshall, 2000) telah diperkatakan sebagai elemen yang lebih penting untuk menjadikan seseorang itu pekerja yang kompeten (McLelland, 1976; Boyatzis, 1982; Spencer dan Spencer, 1993; Goleman, 1995, 1998, 2001; Zohar dan Marshall, 2000; Kaipa, 2000; Abdul Salman, 2002; Agustian, 2002).

Justeru, penyelidikan ini mengambil kira ketiga-tiga elemen IQ, EQ dan SQ dalam mengkaji kompetensi pekerja dan hubungannya terhadap prestasi kerja di kalangan pekerja pengetahuan (*knowledge workers*) kumpulan profesional dan sokongan di agensi-agensi pemimpin lima projek perintis Kerajaan Elektronik (EG – *Electronic Government*) iaitu Jabatan Perdana Menteri (Persekutaran Pejabat Generik atau *Generic Office Management*, dan Sistem Kawalan Projek atau *Project Monitoring System*), Jabatan Perkhidmatan Awam (Sistem Maklumat Pengurusan Sumber Manusia atau *Human Resource Management Information System*), Jabatan Pengangkutan Jalan

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BIBLIOGRAFI

- Abdul Rahman, A. (1996). *Public service innovation in Malaysia*. Sirajuddin Salleh (ed.). *The ASEAN Way*. Kuala Lumpur: The Asian and Pacific Development Centre.
- Abdul Salman Habeahan. (2002). Kecerdasan spiritual: Transformasi sikap beriman, *Sinar Harapan*, (12 Oktober).
- Abdul Wahab Adam (1999). Human resource management information system: A new paradigm in public service resource management, *4th National Civil Service Conference*. Kuala Lumpur: National Institute of Public Administration and Administrative and Diplomatic Service Association. (15-17 July).
- Abdullah Sani Ahmad (1999). Human resource management agenda for the next millennium. *4th National Civil Service Conference*. Kuala Lumpur: National Institute of Public Administration and Administrative and Diplomatic Service Association (15-17 July).
- Agresti, A. & Finlay, B. (1997). *Statistical methods for the social science*. 3rd. Ed. Prentice Hall.
- Agustin, A. G. (2002). *ESQ: Berdasarkan 6 Rukun Iman dan 5 Rukun Islam*. Penerbit Arga.
- Ahmad Atory Hussain (1996). *Pengurusan sumber dalam organisasi awam dan swasta*, Kuala Lumpur, Utusan Publications.
- Ahmad Atory Hussain (1998). *Reformasi pentadbiran awam*. Kuala Lumpur: Utusan Publications.
- Ahmad Atory Hussain (2000). *Analisis dasar awam: Peranan kerajaan mengatasi masalah ekonomi dalam sistem pasaran bebas*. Kuala Lumpur: Utusan Publications.
- Ahmad Atory Hussain (2001). *Pengantar pentadbiran awam: Dimensi dan paradigma baru*. Kuala Lumpur: Utusan Publications.
- Ahmad Atory Hussain (2001). *Pengurusan personel dan konflik organisasi*. Kuala Lumpur: Utusan Publications.
- Ahmad Mahdzan Ayob (1997). *Kaedah penyelidikan sosioekonomi*, Edisi Ke-2, Kuala Lumpur: Dewan Bahasa Pustaka.

- Ahmad Sarji Abdul Hamid (1996). *The civil service of Malaysia: Towards efficiency and effectiveness*. Kuala Lumpur: Malaysian Administrative Modernization and Management Unit.
- Ahmad Sarji Abdul Hamid (1993). *The changing civil service*. Pelandok Publications.
- Ahmad Sarji Abdul Hamid (1995). *The civil service of Malaysia: Towards vision 2020*. Kuala Lumpur: Malaysian Administrative Modernization and Management Planning Unit.
- Ahmd Atory Hussain (1996). *Pentadbiran aAwam: Asas pemikiran dan falsafah*, Edisi Ke-2. Kuala Lumpur: Dewan Bahasa dan Pustaka.
- Aitken, J. E. (1995). Core competencies for school Principals. *Education Review Office*, (6), (Winter).
- Alder, A. G. (2001). Employee reactions to electronic performance monitoring: A consequence of organizational culture. *Journal of High Technology Management Research*, 12 (1) (Autumn).
- Alfathri Aldin. (2001). *Kecerdasan spiritual dan kecerdasan arbitrasi*. Paramartha International Center for Tashawwuf Studies (PICTS).
- Allfred, A.T. & Adams, H.L. (2000). Service quality at banks and credit unions: What do their customers say?. *Managing Service Quality*, MCB University Press, 10(1), 56-120.
- Amstrong, J. L. (1997). Reson and Passion in the Public Sector reform. *Public Service Commission of Canada*.
- Andersen Consulting (1998). *Knowledge workers revealed: New challenges for Asia*. Hong Kong: The Economist Intelligence Unit Limited.
- Anderson, D.F. and Dawes, S.S. (1993). *Government information management: A Primer and caseboo.*, Prentice Hall.
- Anderson, K. V. & Danziger, J. W. (1995). Information technology and the political world: The impacts of its on capabilities, interactions, orientations and values, *International Journal of Public Administration*, 18(11): 1693-1724.
- Anuar Maarof (1997). *Interoperability and standards in the Multimedia Super Corridor*. Kuala Lumpur: Malaysian Administrative Modernization and Management Unit.

- Armahedi Mahzar. (2000). *Kecerdasan spiritual Danah Zohar; Sebuah telaah kritis tentang SQ. Seminar Spiritual Quotient dalam Perspektif Tasawuf dan Psikologi*. Himpunan Mahasiswa Psikologi, IAIN Sunan Gunung Djati, Bandung. (16 Desember).
- Arnold, H. J. & Feldman, D. C. (1998). *Organisational behaviour*. McGraw Hill Book Company.
- Ashayeri, J., Keiji, R. & Broker, A (1998). Global Business Process Reengineering: A system dynamics-based approach, *International Journal of Operations & Production Management*, 18(9/10).
- Asma Abdullah (1994). The corporate culture of a multinational company: A personal perspective. *Jurnal Ilmu Pembangunan dan Sumber Alam*, 8, 19-60.
- Babbie, E. (1986). *The Practice of social research*. 4th. Ed. California: West Publishing.
- Bahn, C. (1979). Can intelligence tests predict executive competency?, *Personnel*, (July-August).
- Baltes, P. & Schine, K. (1974). Aging and IQ: The myth of the twilight years. *Psychology Today*, (October).
- Barkley, J. A. S. (1998). Public service guidelines in an electronic environment. *Government Information Quarterly*, 15 (1).
- Barrick, M. R. & Mount, M. K. (1993). Autonomy as a moderator of the relationships between the Big Five Personality dimensions and job performance, *Journal of Applied Psychology*, 78(1):111-118.
- Barrick, M.R. and Mount, M.K. (1991). The Big Five Personality dimensions and Job performance: A meta-analysis, *Personnel Psychology*, 44.
- Bath, G. D. (2000). Organizing knowledge in the knowledge development cycle. *Journal of Knowledge Management*, 4(1).
- Beachboard, J. C. and McClure C. R (1996). Managing federal information technology: conflicting policies and competing philosophies. *Government Information Quarterly*, 13 (1), 15-33.
- Beijerse, R. P. (1999). Question in knowledge management: Defining and conceptualising a phenomena. *Journal of Knowledge Management*, 3(2).

- Bernstein, S. J. (1976). *Computers in public administration: An international Perspective*. Oxford: Pergamon Press Inc.
- Blake, R. R. & Mouton, J. S. (1962). The developing revolution in management practices. *Journal of the American Society of Training Directors*, 16 (7).
- Blake, R. R., & Mouton, J.S. (1972). *The Managerial Grid*. Houston: Gulf Publishing Company.
- Blancero, Boroski & Dyer (1996). Key competencies for a transformed human resource organization: Results of a field study. *Human Resource Management*, 35.
- Bonder, A., Hollands D., & Miles, J. (1999). *Competency-based management in the public service of Canada: A background and issues Paper*. Treasury Board Secretariat & Public Service Commission.
- Bouchaert, G. (1994). New Information Technology (NIT) and productivity. *International Journal of Public Administration*, 17(1):59-82.
- Boyatzis, R. (1982). *The competent manager: A model for effective performance*. New York: John Wiley and Sons.
- Brody, E. B. & Brody, N. (1976). *Intelligence: Nature, determinants and consequences*. New York: Academic Press.
- Brookfield, S. (1987). *Developing critical thinkers: Challenging adults to explore alternative ways of thinking and acting*. San Francisco: Jossey-Bass.
- Bryman, A. & Creamer, D. (1990). *Quantitative data analysis for social scientist*. London, Routledge.
- Burdett, J.O. (1994). TQM and re-engineering the battle for the organization of tomorrow. *The TQM Magazine*, 6(2).**
- Caden, G. E. (1991). *Administrative reform comes of age*. Walter de Gruyter.**
- Caldow, J (1999). *The quest for electronic government: A defining vision*. Institute for Electronic Government IBM Corporation.**
- Calori, R. & Sarnin, P, (1991. Corporate culture and economic performance: A French study. *Organization Studies*, 1991, 12 (1).**
- Carmines, E.G. and Zeller, R.A. (1979), *Reliability and validity assessment*. California: Sage Publications.**

- Carrell, M. R., Jennings, D. F., Hearin, C. (1997).** *Fundamentals of Organizational Behaviour.* Prentice Hall International.
- Carroll, A. & McCrackin, J. (1998).** The competent of competency-based strategies for selection and development. *Performance Improvement Quarterly.* Learning Systems Institute, Florida State University, 2(3).
- Cascio, W. F. (1986).** *Managing Human Resources: Productivity, Quality of Work Life, Profits.* McGraw-Hill International Ed.
- Catano, V. M. (2001).** Empirically supported interventions and HR practice, *HRM Research Quarterly*, 5(1).
- Chan, P.S. and Peel, (1998). Causes and impact of reengineering, *Business Process Management Journal*, 4 (1).
- Chatters, L. M., Levin, J.S. & Taylor, R.J. (1992). Antecedents and dimensions of religious involvement among older blacks adults. *Journal of Gerontology*, 47(6): 5269-5378.
- Chen, F.F. and Klay, E.E. (1994). Managerial behaviours, motivations and computerization in public agencies, *International Journal of Public Administration*, 17(1): 33-58.
- Chen, W. H. (1998). Benchmarking quality goals in service system. *Journal of Services Marketing*, 12(2): 113-128.
- Churchill, G. A. Jr. (1979).** A paradigm for developing better measures of marketing constructs. *Journal of Marketing Research*, (16) (February).
- Clarke, R. and Cameron, J. (1992). *Managing information technology's organizational impact, II*. The Netherlands: Elsevier Science Publishers.
- Cohen, J. & Cohen, P. (1983).** *Applied multiple regression/ correlation analyses for the behavioural sciences.* New York: Lawrence Erlbaum.
- Collier, .A. (1987). The customer service and quality challenge. *The Service Industries Journal*, 7 (1) (January).
- Collier, A. (1987). The customer service and quality challenge. *The Service Industries Journal*, 7(1) (January), 77-79.
- Common, R. (2001).** *Public management and policy transfer in South East Asia.* Ashgate.

- Cooke, R. H. & Rousseau, D. M. (1988). Behavioural norms and expectations: a quantitative approach to the assessment of organization culture. *Group and Organization studies*, 13, 245-273.
- Cooper, R. & Sawaf, A. (1997). *Executive EQ in leadership and organizations*. Grosset/Putnam.**
- Cresswell, J. W. (1994). *Research design, qualitative & quantitative approaches*. London: SAGE Publications, International Educational and Professional Publisher.
- Crosby, P.B. (1984). *Quality without Tears*. New York: New American Library.
- Curry, A. (1999). Innovation in public service management. *Managing Service Quality*, 9(3):180-190.
- Curry, A.C. and Durden, L.C. (1999). Assessing value in public services: A measurement tool for service providers. *International Journal of Public Sector Management*.
- Danziger, J. N & Kraemer, K.L. (1986). *People and computers*. New York: Columbia University Press.
- Deal, T. E. & Kennedy, A. A. (1982). Corporate cultures: The rights and rituals of corporate life. Reading: Addison – Wesley.
- Denhardt, R.B. & Grubbs, J.W. (1999). *Public administration: An action orientation*. 3rd. Ed. Harcourt Brace & Company.**
- Development Administration Circular of Malaysian Government No. 10 of 1991 – Guidelines For the Implementation of the Quality of Counter Services.
- Diggins, C. (2004). Emotional intelligence: The key to effective performance. *Human Resource Management International Digest*, 12(1), 33-35.
- Doe, J. (2000). *Job skills indicator*. Performance DNA International Ltd.
- Donnelly, C. (1999). Making the difference: Quality strategy in the public sector. *Managing Service Quality*, 19 (1) 47-52.
- Dotchin, J. and Oakland, J. (1994). Total Quality Management in services: Disguising perceptions of service quality, *International Journal of Quality and Reliability Management*, 11(3).
- Dove, R (1999). Knowledge management, response ability, and the agile enterprise. *Journal of Knowledge Management*, 3: 18-35.

- Drucker, P.F. (1967). *The effective executive*. New York: Harper and Row.
- Dubois, D. (1993). *Competency-based performance: A strategy for organizational change*. Boston: HRD Press.
- Drucker, P. F. (2000). *Knowledge-worker Productivity: The Biggest Challenge*. California: Management Review, 41 (2).
- Dulewics, V. & Higgs, M (2000). Emotional intelligence: A review and evaluation Study. *Journal of Managerial Psychology*, 15(4):341-372.
- Edwards, C. (1999). Public service culture. Aidan Rose & Alan Lawton (Ed.). *Public Services Management*. Prentice Hall.
- Ellstrom, 1997. The many meanings of occupational competence and qualification. *Journal of European Industrial Training*. June: 266-273.
- Emmerling, R. (2001). Emotional competence framework. *The Consortium for Research on Emotional Intelligence in Organizations*.
- Emmon, R.A. (2000). Is spirituality an intelligence? Motivation, cognition and the ultimate concern. *The International Journal for the psychology of religion*, 10(1), 3-26.
- Evans, M. G. & House, R. J. (1971). A Path-Goal Theory of leader effectiveness. *Administrative Science Quarterly*, 16(5).
- Farnham D., and Harton, S. (1993), The new public service managerialism: An assessment. *Managing the New Public Services*, Macmillan, Basingstoke.
- Farrel, M. (1998). Quality management and building government information services, *Government Information Quarterly*. 15 (1).
- Fillmore, W. J. (1990). A pragmatic framework for understanding and managing corporate culture. The Union Institute. Tesis Ph.D.
- Fine, S. (1988). Functional job analysis. Gael, S. (Ed.). *The job analysis handbook for business, industry and government*. Wiley, New York.
- Fitzsimmons, J. A. and Fitzsimmons M. N. (1994). *Service management For Competitive Advantage*, McGraw Hill International Editions.
- Fitzsimmons, J.A., & Fitzsimmons, M.N. (1993). *Service management for competitive advantage*. McCraw Hill International Editions.

- Flynn, N. (1993). *Public Sector Management*. England: Harvester Wheatsheaf.
- Gardner, H. (1983). *Frames of Mind: The Theory of Multiple Intelligence*. New York: Basic Books.
- Garson, G. D. (1999). *Information Technology and Computer Applications in Public Administrations: Issues and Trends*, IDEA Group Publishing.
- Gerard & Tara Green (2001). *The 21st Century Workplace: Profiting from Emotional Intelligence*, Green Systems Pt. Limited.
- Ghobadian, A. & Ashworth, J. (1996). Performance Measurement in Local Government – Concept and Practice, *International Journal of Operations & Production Management*, 14 (5).**
- Godbout, A. J. (1990), *Managing Core Competencies: The Impact of Knowledge Management on Human Resources Practices in Leading Edge Organizations*. Godbout Martin Godbout & Associates.
- Goleman, D. (1995). *Emotional Intelligence*. New York: Bantam.
- Goleman, D. (1998). *Working with Emotional Intelligence*. New York: Bantam.
- Goleman, D. (2001). An EI-Based Theory of Performance. Cherniss, C. & Goleman, D. (ed.), *The Emotionally Intelligence (EI)*. The Consortium for Research on Emotional Intelligence in Organisations.
- Gonring, M.P. (1991). Communication makes employee involvement work. *Public Relations Journal*. (November).
- Gore, E. W. (1999), Organizational Culture, TQM and Business Process Engineering: An Empirical Comparison. *Team Performance Management: An International Journal*, 5 (5).
- Government of Malaysia (1997), *The Civil Service of Malaysia: Towards excellence through ISO 9000*. Kuala Lumpur: Malaysian Administrative Modernisation and Management Planning Unit.
- Government of Malaysia (1998). *The Civil Service of Malaysia: Building an IT culture*. Kuala Lumpur: Malaysian Administrative Modernisation Management Planning Unit.
- Gronroos, C. (1988). Service quality: The six criteria of good perceived service quality. *Review of Business*. St. John's University, 9(3) (Winter).

- Groth, J. C. and Dye, R. T. (1999) Service quality: Received value, expectations, shortfalls, and bonuses. *Managing Service Quality*, 9 (5): 274-285.
- Gumession, E. (1991). Service quality: A holistic view. Brown, S.W. (et al.): *Service quality: Multidisciplinary and multinational perspectives*. Lexington Books.
- Hair, J. F. Jr., Anderson, R. E., Tatham, R. L., & Black, W. C. (1998). *Multivariate data analysis with Readings*. 5th Ed. New Jersey: Prentice-Hall, Inc.
- Hammer, M. & Champy, J (1993). *Reengineering the Corporation*, New York: Harper Collins.
- Healey, M and Potter, J. (19897), Making performance work for consumer. *Performance Measurement and the Consume*. London: National Consumer Council.
- Heeks, R. (1998). Change management and manageable change for electronic government. Kuala Lumpur: *International Symposium on Best Practice in Electronic Government*. (8 –10 December).
- Heeks, R. (1999a). *Reinventing government in the information age: International Practice in IT-enabled Public Sector Reform*. London: Roulledge.
- Heeks, R. (1999b). Management information systems in the public sector. Garson, G. D. (ed.) *Information Technology and Computer Applications in Public Administration: Issues and Trends*, IDEA Group Publishing.
- Hersey, P., & Blanchard, K. H. (1982). *Management of organizational behaviour: utilizing human resources*. 4th Ed. New York: Prentice Hall.
- Hofstede, G., Neuijen, B., Ohayu, D. D., & Sanders, G. (1990). Measuring organizational cultures: a qualitative and quantitative study across twenty cultures. *Administrative Science Quarterly*, 35, 286-316.
- Holahan, C. K. & Sears, R. R. (1995), *The gifted group in later maturity*. Stanford: Stanford University Press.
- Holden, S. H. (1996). Managing information technology in the federal government: assessing the development and application of agency-wide policies. *Government Information Quarterly*, 13(1): 65-82.
- Hondeghem, A. dan Vandermeulen (2000). Competency management in the Flemish and Dutch civil service. *The International Journal of Public Sector Management*, 13(4).**
- Hooijberg, R., Hunt, J. G., Dodge, G. E. (1997). Leadership complexity and development of the leaderplex models. *Journal of Management*. 23, 375-408.

- Horibe, F. (1999). *Managing Knowledge Workers*, John Wiley & Sons.
- Horn, J. L & Catell, R. B. (1967). Age differences in fluid and crystallized intelligence. *Acta Psychologicure*, 26.
- Horn, J.L. (1968). Organization of abilities and the development of intelligence, *Psychological Review*. 75.
- Horton, S. (2000). Introduction – the competency movement: Its origins and impact on the public sector. *The International Journal of Public Sector Management*, 13 (4).
- Hunt, V. D. (1993). *Quality management for governments: A guide to federal, state and local implementation*. Wisconsin: ASQS Quality Press.
- Hunter, J. E., & Hunter, R. F. (1984). Validity of alternate predictors of job performance. *Psychological Bulletin*. 96: 92-78.
- Ingalsbe, L. (1992). *Using Computers and Application Software*, 2nd. Ed. Maxwell Macmillian International.
- Ingram, H. & McDonnell, B (1996). Effective performance management: The teamwork approach considered. *Managing Service Quality*, 9.
- Jackson, P. and Palmer, B (1989). *First steps in measuring performance in the public sector: A management guide*, London: Public Finance Foundation.**
- Johnston, R. and Lyth, D. (1991). Implementing the integration of customer expectations and operational capacity. *Service Quality: Multidisciplinary and Multinational Perspectives*, Lexington Books.
- Juran, J. M. (1982). *Upper management and quality*. New York: Juran Institute.
- Kaerstead, J. (1999). *Human resource management trends and issues: Emotional intelligence (EI) in the Workplace*. Research Directorate, Public Service of Canada.
- Kaipa, P. (2000). Knowledge architecture for the twenty-first century. *Behaviour and Information Technology*.
- Kay, J. (1993). *Foundations of corporate Success: How business strategies add value*, Oxford University Press, New York.
- Kelley, R. (1998). *How to be a star at work*. New York: Times Books.

- Kerlinger, F. (1986). *Foundations of behavioral research*. New York: Holt, Rinehart & Winston.
- Kim, P. S., Dindur, W., & Reynolds, K. (1995). Creating a new organizational culture: The Total Quality Management in the public sector. *International Journal of Public Administration*. 18 (4).
- King, P. M. dan Kitchener (1994). *Developing reflective judgement*. San Francisco: Jossey-Bass.
- Klaus, P. (1985). Quality epiphenomenon: The conceptual understanding of quality in face to face service encounters. In Czepiel, J, Solomon, M. R. and Suprenant, F. (Ed.) *The Service Encounter*. Lexington Books.
- Koberg, C.S. & Cgusmir, L.H. (1987). Organisational culture relationships with creativity and other job related variables. *Journal of Business Research*, 15, 397-409.
- Koch, R. (1996). "Public management and productivity towards an appraisal of the productivity of alternative forms of public service delivery. *International Journal of Public Administration*. 19 (11/12).
- Koehler, J. W. and Pankowski, J. M. (1996). *Quality government: Designing, developing, and implementing TQM*. Florida: St. Lucia Press.
- Kogut, B and Zander, U. (1992). Knowledge of the firm, combinative capabilities, and the replication of technology, *Organization Science*, 3(3).
- Kolarik, W. J. (1999) *Creating quality: Process design for results*. New York: McGraw-Hill.
- Koontz, H.; O'Donnell, C., & Weihrich, H. (1986). *Essentials of management*. 4th Ed. McGraw-Hill Book Company.
- Kotter, J.P. & Heskett, J. L. (1992). *Corporate culture & performance*. New York: Free Press.
- Lam, T, Zhang H. Q (1999). Service quality of travel agents: the case of travel agents in Hong Kong. *Tourism Management*, 20 (3).
- Lash, R. and Jackson, M. (1998). *Re-Inventing HR: Changing roles in the high performance organization*. John Wiley and Sons.
- Lawler, E. (1994). From Job-based to competency-based organizations. *Journal of Organisational Behaviour*, 15:3-15.

Lawton A. and Rose A. G. (1991). *The public services management*. Prentice Hall.

Lichtenberg, F.R. (1998). Computer use and productivity growth in the US federal government agencies 1987-1992. *The Journal of Industrial Economics*, 46 (2).

Lin, B. and Ogunyemi, F. (1996). Implications of Total Quality Management in federal services: the US experience. *International Journal of Public Sector Management*, 9 (4): 4-11.

Loukis, E. N. & Michalopoulos, N. (1994). Information Technology and organizational structure of the Greek public administration. *International Journal of Public Administration*, 17(1): 183-208.

Long, T. (1998). Corporate culture and strategy in the the electronics industry (strategic planning). Portland State University. Tesis Ph.D.

MAMPU (1997a) . *Towards a vision for a new electronic government in Malaysia*. Kuala Lumpur: Malaysian Administrative Modernization and Management Planning Unit.

MAMPU (1997b). *Electronic government flagship application: Blueprint for electronic government implementation*. Kuala Lumpur: Malaysian Administrative Modernization and Management Planning Unit.

MAMPU (1997c). *Electronic government information technology policy and standards*. Kuala Lumpur: Malaysian Administrative Modernization and Management Planning Unit.

MAMPU (1997d). “ ISO 9000 in the public service of Malaysia”. Singapore: 9th Asean Conference on Civil Service Matters (30 Jun – 4 July 1997).

MAMPU (1997e) *Electronic government flagship application, the electronic delivery of driver and vehicle registration, licensing and summons services, utility bill payments and Ministry of Health online information*. CRFP No: MAMPU/EG/1/97. Kuala Lumpur: Malaysian Administrative Modernization and Management Planning Unit.

MAMPU (1997f) *Electronic government flagship application, electronic procurement*, CRFP No: MAMPU/EG/2/97. Kuala Lumpur: Malaysian Administrative Modernization and Management Planning Unit.

MAMPU (1997g) *Electronic government flagship application, Prime Minister’s Office – Generic Office Environment*, CRFP No: MAMPU/EG/3/97. Kuala Lumpur: Malaysian Administrative Modernization and Management Planning Unit.

- MAMPU (1997h) *Electronic government flagship application, Human Resource Management Information System*. CRFP No: MAMPU/EG/4/97. Kuala Lumpur: Malaysian Administrative Modernization and Management Planning Unit.
- MAMPU (1997i) *Electronic government flagship application, Project Monitoring System*. CRFP No. MAMPU/EG/5/97. Kuala Lumpur: Malaysian Administrative Modernization and Management Planning Unit.
- Manogran, P. (2000). Core competencies and the knowledge economy". *Pentadbir*, PP. 110/99, Julai, Bil. 1: 8-15.
- Mansfield, R. S. (1996). Building competency models. *Human Resource Managemnt*. 35.
- Maria Sumediyani (2002). Kecerdasan spiritual dan problema bangsa ini". *Majalah Widyawarta*, BPK, Penabur.
- Markus, H. (1998). Developing an innovative organizational culture: Dimensions, assessments and a change process. *The 1998 Annua*. Consulting, Josey-Bass/Pfifer.
- Martinez, M. N. (1998). The collective power of employee knowledge, *HR Magazines*, 43(2).**
- Martinez, M. W. (1997). The smarts that count. *HR Magazine*, 42 (11), 72-78.
- Masod, A. and Chua, E. (1999). Job-success-developing New Work habits in Civil service for the Next Millenium. 4th. *National Civil Service Conference*. Kuala Lumpur: National Institute of Public Administration and Administrative and Diplomatic Service Association (15-17 July).
- Matthewman, T. (1995). Trends and development in the use of competency frameworks competency, 2(4).
- Mayer, T. D. & Salovey, P. (1990). Emotional intelligence. *Imaginations, Cognition and Personality*. 9.
- Mayer, T. D. & Salovey, P. (1993). The intelllignce of emotional intelligence. *Intelligence*. 17 (4).
- McClelland, D. C. (1976). Testing for competence rather than Intelligence. *American Psychologist*. 28.
- McClelland, D. C. (1978). *A guide to job competence assessment*. Boston: McBer & Co., 1987.

- McHugh (1999). Introducing teamworking within a bureaucratic Mase. *Leadership and Organization Development Journal*, 20(2).
- McLangan, O. (1997). Competencies: the next generation. *Training and Development*, 51: 40-47.**
- Menzel, D. C. (1998). WWW. ethics gov. : Issues and challenges facing public managers. *Public Administration Review*, 58(5), 445-453.**
- Mercer, W. M. (1995). *Competencies, performance and pay*. William M. Mercer, Inc.
- Meyer, M. W. (1968). Automation and bureaucratic structure. *American Journal of Sociology*, 74 (November), 256-264.
- Meyerson, D., & Merton (1987). Cultural change: an intervention of three different views. *Journal of Management Science*, 24, 624-647.
- Mintzberg, H. (1979). *The Structuring of Organizations*. New York: Prentice Hall.**
- Miqdad, Hussein (2000). *Renungan jumaat: Spiritual intelligence: Apa keistimewaannya?* Jakarta: Fakultas Hukum Universitas Muhammadiyah.**
- Mitchell, K. (2000). Instituting e-procurement in the public sector. *Public Management*. (November).**
- Mitrani, A., Dalziel, M., & Fitt, D. (1992). *Competency-based human resource management: value-driven strategies for recruitment, development and reward*. London: Kogan Page Ltd.**
- Muhammad Hussin & Nor Aishah Buang (1996). Budaya korporat dalam pPengurusan sekolah. *Prosiding Pendidikan Negara Abad ke-21*. Bangi: Penerbit Universiti Kebangsaan Malaysia, 201-211.
- Muhammad Rais bin Abdul Rahim (1995). Improving the efficiency of the public sector: A case study of Malaysia, *12th Meeting of Experts on the UN Programme in the Public Administration and Finance*. New York (31 July – 11 August).
- National Electronic Commerce Coordinating Council (NECCC), 1999, USA, *Electronic Government: A Blueprint for States*.
- Newell, T. (1966). The futures of government human resource development. *International Journal of Public Administration*, 19(5).
- Newsome, S., Day, A. dan Catano, V.M. (2000). Assessing the predictive validity of emotional intelligence. *Personality and Individual Differences*, 29. 1005-1016.

- Ng Kam Chiu (1997). Service target and methods of redress: The impact of accountability in Malaysia, *Public Administration and Development*, 17 (2): 175-180.
- Nik Azis Nik Pa (1999). *Potensi Intelek*. Dewan Bahasa dan Pustaka, Kuala Lumpur.
- Nonaka, I & Takeuchi, H. (1995). *The knowledge creating company*. New York, Oxford University Press, 1995.
- Norton, P (1995), *Peter Norton's Introduction to Computers*. McGraw-Hill.
- Norusis, M. J. (1997). *SPSS 7.5 guide to data analysis*. Prentice Hall.
- Nunnally, J.C. (1978), *Psychometric theory* (2nd. Ed.), McGraw-Hill, New York.
- Ojo, S. O. (1998). IT human resource needs in developing countries, *International Symposium on Best Practice in Electronic Government*. Kuala Lumpur. (8-10 December).
- Orlowski, S. (1997). Government initiatives in Information Technology security. *Asian Libraries*. 6 (3/4).
- Palan, R. (2002). Applying EQ at the workplace. Kuala Lumpur: *Specialist Management Resources*.
- Parasuraman, A., Berry L. L. and Zeithmal, V. A. (1985). A conceptual model of service quality and its implication for future research. *Journal of Marketing*, 49: 41-50.
- Parasuraman, A., Zeithmal, V. A. & Berry, L. L. (1988). SERQUAL: A multiple item scale for measuring consumer perceptions of service quality, *Journal of Retailing*, 64 (1):12-40.
- Paton, R. & Dodge, C. (1995). Reinventing administrative policies for the 1990s Administrative Policy Reform in Canada. *International Journal of Public Sector Management*, 8(2).
- Peter, J.P. (1981). Construct validity: A Review of Basic and Marketing Practices. *Journal of Marketing Research*. 18(2).

- Pickett, L. (1998). Competencies and managerial effectiveness: Putting competencies to work. *Public Personnel Management*. 27(1).
- Polanyi, M. (1966), *The Tacit Knowledge*. Gloucester. MA.
- Polednik, L & Greig, E. (2000). Personality and emotional intelligence. *The British Journal of Administrative Management*, 19(9).
- Preiss, K (1999). Modeling of knowledge flows and their Impact. *Journal of Management Art*, 3:36-46.
- Proctor, R. W. & Dutta, A. (1995). *A skill acquisition and human performance*. Sage Publications.
- Public Service Commission of Canada (2000). *Competencies*.
- Public Service Commission of Canada (2001). *Leadership Competencies*.
- Rainey, H. G. (1996). Building an effective organizational Culture. Perry, J. L. (Ed.), *Handbook of Public Administration*. 2nd. Ed., 151-166.
- Remenyi, D. S. J., Money, A. and Twite, A (1991). *A guide measuring and managing IT benefits*. Oxford: NCC Blackwell Limited.
- Rice, J. F. (1997). *The human resource practices development (HRPD) project*. University of Minnesota.
- Robbins, S.P. (1997). *Managing today*. Prentice Hall.
- Roberts, G. (1997). *Recruitment and selection: A competency approach*. IPD, London.
- Roger. C. and Julie C. (1992). *Managing Information Technology's organizational Impact*. London: Elsevier Science Publishers.
- Rosen, E. D. (1993). *Improving public sector productivity: Concepts and practice* : SAGE Publications.
- Sallehuddin Mohamed (1989). Public sector management: Steps towards excellence. *Jurnal Perkhidmatan Awam*. 1, 1-5.
- Salovey, P., Mayer , J.D. (1990). Emotional intelligence. *Imagination, Cognition and Personaltiy*, 9, 185-211.
- Samsuddin Osman (1999). Human Resource Management and the Changing Role of the Public Service 4th National Civil Service Conference. National Institute of Public Administration (INTAN) and Public Service Department Malaysia, (15-17 July).

- Sarji, A. (1993). *The changing civil service: Malaysia's competitive edge*. Petaling Jaya: Pelanduk Publications.
- Schein, E. H. (1992). *Organizational culture and leadership*. San Francisco: Jossey-Bass Publishers.
- Schmitt, N W and Klimoski, R. J. (1991) *Research methods in human resources management*. Cincinnati: South Western Publishing Co.
- Schoonover Associates, Inc. (2001). *Competency-based human resources applications Survey*.
- Schutzelaars, A. (1994). Computer system: the Enhance of Productivity of Public Sector Planners, *International Journal of Public Administration*. 17(1).
- Sekaran, U. (2000). *Research methods for business*. John Wiley & Sons, New York.
- Siegel, G. B. and Seidler, E. (1996). Towards a public service blend of human resource management and TQM. *International Journal of Public Administration*, 19 (10):1781-1810.
- Slaski, M., & Cartwright, S. (2002). Health, performance and emotional intelligence: An exploratory study of retail managers. *Stress and Health*, 18 (2), 63-68.
- Slivinski, L. and Miles, J. (1997). *The wholistic competency profile: A Model. Part I: Intoduction*. Ottawa: Public Service Commission of Canada.
- Smircich, L. (1983). Concepts of culture and organizational analysis. *Administrative Science Quarterly*. 28, 339-358.
- Spencer, L. and Spencer, S. (1993). *Competence at work: Models for Superior Performance*. New York: John Wiley.
- Staw, B. M. and Cummings, L. L. (1990), *Work in organization*. London: JAI Press Inc.
- Steiner, C. (1997). *Achieving emotional literacy*. London: Bloomsbury Publishing.
- Sternberg, R. J. (1988). *The triarchic mind: A new theory of human intelligence*. New York: Penguin.
- Stevens, J. M. and McGowan, R. P. (1985) *Information systems and public management*. Praeger Publishers.

- Streblert, M. and Bevan, S. (1996). *Competence-based management training*. Brighton: Institute of Employment Studies.
- Stupak, R. J. (1996). Change dynamics and public management challenges and opportunities. *International Journal of Public Administration*, 19 (10) 1669-1685.
- Subramaniam, I. D. (1999). Predictors of job performance in Japanese multinational company with Malaysia and their implications for human resource management, *4th National Civil Service Conference*. National Institute of Public Administration (INTAN) and Public Service Department Malaysia. (15-17 July).
- Summer, M. (1985). *Computers: Concepts and Uses*, Prentice Hall.
- Swartz, M., & Jordon, D. (1980). *Culture: an anthropological perspective*. New York: Wiley.
- Taylor, J.A. (1999). New technologies and public management: Issues for the information age. Rose, A. & Lawton, A (Eds.). *Public Services Management*. Prentice Hall.**
- Tichy, N. (1983). *Managing strategic change: Technical, political and cultural dynamics*: New York: Wiley.
- Tischler, L., Biverman, J., McKeage, R. (2002). Linking emotional Intelligence, spirituality and workplace performance. *Journal of Managerial Psychology*, 17 (3).
- Totterdell, P., Kellett, S., Teuchmann, K., and Briner, R.R. (1998). Evidence of Mood linkage in work groups. *Journal of Personality and Social Psychology* 74(6).**
- Treasury and Civil Service Committee (1982). Third Report: *Efficiency and Effectiveness in the Civil Service*, London: HMSO HC 236-I.**
- Treasury Board of Canada Secretariat. (1999). *Competency*.**
- Treasury Board of Canada Secretariat. (1999). *Legislative Parameters for Successful Implementation of CBM in the Public Service*.**
- Ulrich, D. Brockbank, W., Yeung, A.K., & Lake. D. G. (1995). Human Resource Competencies: An Empirical Assessment. *Human Resource Management*, 34:473-495.

University of California, (2001). *Competency model for business officers*.

Vallerand, A. (1996) Electronic commerce and government, *Electronic Commerce World Institute*.

Virtanen, T (2000). Changing competencies of the public managers: Tensions in commitment. *The International Journal of Public Sector Management*. 13(4).

Wallach, E. J. (1983). Individuals and organizations: The cultural match. *Training and Development Journal*. Washington, DC: Office of Technology Assessment. (33) (February), 29-36.

Wilkins, A.L. & Ouchi, W.G. (1983). Efficient cultures: exploring the relationship between organizational culture and organizational performance. *Administrative Science Quarterly*. 28, 468-481.

Willcocks, L. (1989), IT in the public sector setting: Towards effective systems. *International Journal of Public Sector Management*. Vol. 2 (3).

Woodruffe, C. (1992) What is meant by competency? Boam, R & Sparrow, P. (Eds.) *Designing and achieving competency*. UK: McGraw Hill International.

Worley, C., Hitchin, D. & Ross, W. (1996). *Integrates strategic change: How OD builds competitive advantage*, Reading: Addison Wesley.

Worthington, T (1998). Future Directions in electronic service delivery in the public sector. *Australian Computer Society*.

Yasin, M. M. and Yavas U. (1999). Techniques enhancing customer orientation of service delivery systems: An integrative framework. *Managing Service Quality*. 9(3).

Zaccaro, S.J. (2001). The nature of executive leadership: A conceptual and empirical analysis of success. Washington DC: *American Psychological Association*.

Zakaria Ahmad (2000). K-ekonomi: Cabaran kepada perkhidmatan awam. *Pentadbir* PP. 110/99, Julai, Bil. 1: 16-24.

Zakaria Ahmad (1997). Developing high performance corporate culture. *Jurnal Pentadbir*. 1, 40-45.

Zakaria Mohd Taib (1999). Reengineering the Organization. Muhammad Rais Abdul Karim (Ed.). *Reengineering the Public Service: Leadership and Change in an Electronic Age*. Kuala Lumpur: Pelanduk Publications.

Zikmund, G. W. (2000). *Business research methods*. 6th. Ed. The Dyden Press International Ed.

Zohar, D. & Marshall, I. (2000). *SQ – Spiritual Intelligence, the Ultimate Intelligence*, Bloomsbury.

Zwell, M. (2000). *Creating a Culture of Competence*. John Wiley & Sons, Inc.