

**A STUDY ON SOCIAL CONTROL IN FORMATION OF  
ACCOUNTING INFORMATION SYSTEM DEVELOPMENT:  
A CASE STUDY OF POSTGRADUATE STUDENTS IN  
UNIVERSITI UTARA MALAYSIA**

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**UNIVERSITI UTARA MALAYSIA**

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UNIVERSITI UTARA MALAYSIA**

A thesis submitted to graduate school in partial fulfillment of the requirement for the degree of  
Master of Science (International Accounting)

Universiti Utara Malaysia

By

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**2011**

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## **ABSTRACT**

An important and continuing area of behavioral accounting research has examined the relation between the effects of social factors on the accounting system and its development. This research has explicitly recognized that the importance of social control in formatting the development of accounting information system is determined not only by irrelevant products of information but also by the user complain of difficulty to use it that refers to the gap between the rules and practice. Accounting Information System (AIS) is a complex and fast growing area particularly in the field where the social norms are involved. Recent studies have found social influence to be positively related to information system development. The study was conducted on 100 postgraduate students studying in UUM. The results of the study indicated that social norms have no effect on AIS development. The implication of the study is a suggestion that developers of accounting system should take into their account the social factors more involved in the development of the system. Another potential area of study is to compare the AIS programs and Post AIS graduates of different universities to see if there are differences. The results of this study may help universities to develop better AIS programs.

**Keywords:** Social Control; Social Norms, Subjective Norms, Accounting Information System.

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In the name of Allah, most gracious, most merciful

“And say: work (righteousness): soon will Allah observe your work, and his messenger and the believers”

All praise and glory to Allah the almighty who alone made this small objective to be accomplished. Peace is upon the Prophet, his companions and all who followed him until the Day of Judgment.

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## **CHAPTER ONE**

### **INTRODUCTION**

#### **1.0 An Overview of the Background Study**

The growth of computer technology in 1950s had initiated increasing development in information storing and processing (Rashid, Hossain, & Patrick, 2002). Computer technologies increase the use of information due to its capabilities of analyzing huge amount of data and in producing accurate and timely reports. These unique features of computer capabilities have led to the introduction of a variety of information systems such accounting information system (AIS) manufacturing resource planning system (MRP) and human resource system (HRM).

Human is one of the most important resources in an organization. Unquestionably human resource is an uncompromisable factor that ensures the success, or at least the survival of an organization. An organization cannot manage by itself. Control in organization is largely based in management control theory with its roots in systems theory while social and cultural modes of control are recently recognized.

Nowadays, dramatic changes have occurred in the field of Information Technology (IT) and its progress has been so pervasive therefore it has created changing trends in different areas (Salehi

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## REFERENCES

- Abdul Rahman, A. H. (1980). "Relationship between Profitability and Capital Budgeting: The Case of Malaysian Firms in the Manufacturing Sector. PHD Thesis, Rensselaer Polytechnic Institute.
- Ajzen, I. (1991). The theory of planned behavior. *Organizational Behavior and Human Decision Processes*, 50: 179-211.
- Ajzen, I. & Doll (1992): Accessibility and Stability of Predictors in the Theory of Planned Behavior.
- Ajzen, I. & Fishbein, M. (1977). Attitude-Behavior Relations: A theoretical Analysis and Review of Empirical Research. *Psychological Bulletin* (84:5), pp 888-918.
- Ajzen, I. (1985). From intention to actions: a theory of planned behavior, in: J. Kuhl, J. Bechmann (Eds.), *Action Control: from Cognition to Behavior*, Springer, New York, pp. 11-39.
- Ajzen, I., & Fishbein, M. (1980). *Understanding attitudes and predicting social behavior*. Englewood Cliffs, NJ: Prentice-Hall.
- Al Awadhi, S. & Morris, A. (2008). The use of the UTAUT model in the adoption of government services in Kuwait, In *Hawaii international conference on system sciences*. Hawaii: Kona.
- Ang. J. & Koh, S. (1997). Exploring the Relationships between User Information Satisfaction. *International Journal of Information Management*, 17 (3), pp. 169- 177.

- Bagozzi, R.P. (2007). "The legacy of the technology acceptance model and a proposal for a paradigm shift." *Journal of the Association for Information Systems* 8(4): 244–254.
- Bailey, J.E. & Pearson, S.W. (1983). "Development of a tool for measuring and analyzing computer user satisfaction." *Management Science*, Vol. 29 No. 6, pp. 530-45.
- Benford, T. L. & Hunton, J. E. (2000). 'Incorporating information technology considerations into an expanded model of judgment and decision making in accounting'. *International Journal of Accounting Information Systems*, 1(1), 54- 65.
- Bergeron, F., Raymond, L., Rivard, S., and Gara, M. (1995) Determinants of EIS use: Testing a behavioral model. *Decision Support Systems*, 14, 131-146.
- Bhattacharjee, A. & Sanford. C. (2006). "Influence processes for information technology acceptance: an elaboration likelihood model", *MIS Quarterly*, 30, pp. 805-825.
- Blanthorne, C. & Kaplan S. (2008). An egocentric model of the relations among the opportunity to underreport, social norms, ethical beliefs, and underreporting behavior. *Account, Organizations Society* 33: 684-703.
- Bryman, A. & Bell, E. (2003). *Business Research Methods*, New York: Oxford University Press Inc.
- Chan, S., & Lu, M. (2004) "Understanding Internet Banking Adoption and Use Behavior: A Hong Kong Perspective". *Journal of Global Information Management*, 12(3), 21-43.
- Chau & Leung (2009): A critical review of Fischer tax compliance model: A research synthesis.
- Chau, p. & Hu, P. (2002). Examining a model of information technology acceptance by individual professionals: an exploratory study, *Journal of Management Information Systems*, 18 (4), pp. 191- 229.

- Chau, P.Y.K. & Hu, P.J.H. (2001). "Information technology acceptance by Individual professionals: a model comparison approach." *Decision Science*, Vol. 32 No. 4, pp. 699-719.
- Chenhall, R.H., (2003). Management control systems design within its organizational context: findings from contingency-based research and directions for the future. *Accounting, Organizations and Society* 28, 127–168.
- Chen, L., Gillenson, M. & Sherrell, D. (2002). "Enticing on- line consumers: an extended technology acceptance perspective. *Information and Management* 39, pp. 705- 719.
- Cheung, W., Chang, M. & Lai, V. (2000). Prediction of Internet and World Wide Web usage at work: a test of an extended Triandis model, *Decision Support Systems* 30 (1), pp. 83–100.
- Chin, W. & Gopal, A. (1995). Adoption intention in GSS: relative importance of beliefs, *The Data Base for Advances in Information Systems* 26 (2–3), pp. 42–63.
- Choe, J. M. (1998) the effects of user participation on the design of accounting information systems, *information & Management*, vol.12, pp.185- 198
- Cross, N. (1984). *Developments in design methodology*. Chichester: Wiley.
- Davis, F. D. (1986). A technology acceptance model for empirically testing new end-user information systems: Theory and results. (Doctoral dissertation, Sloan School of Management, Massachusetts Institute of Technology).
- Davis, F.D. (1989). "Perceived usefulness, perceived ease of use, and user acceptance of information technology", *MIS Quarterly*, Vol. 13 No.3, pp.319-40.



Davis, F.D., Bagozzi, R.P. & Warshaw, P.R. (1989), "User acceptance of computer technology: a comparison of two theoretical models", *Management Science*, Vol. 35 No. 8, pp. 982-1003.

Davis, G. & Olson, M. (1985). "Management Information System: Conceptual Foundations, methods and development. New York: McGraw-Hill.

Davis, G. & Olson, M. (1989). *Sistemas de Información Gerencial*, Mc Graw Hill.

Deutsch, H. & Gerard, A. (1995). A study of normative and informational social influences upon individual judgment, *Journal of Abnormal and Social Psychology* 51, pp. 624–636.

Ditillo, A. (2004). "Dealing with uncertainty in knowledge- intensive firms: the role of management control systems as knowledge integration mechanisms." *Accounting, Organizations and Society*, 29 (3/4): 401- 21.

Doll, W.J. & Torkzadeh, G. (1988), "The measurement of end-user computing satisfaction." *MIS Quarterly*, Vol. 12 No. 2, pp. 259-74.

Dunn, C. L., & McCarthy, W. E. (1997) 'The REA Accounting Model: Intellectual Heritage and Prospects for progresses. *Journal of Information Systems*, Spring 1997, 31-51.

Elek, E., Miller-Day, M. & Hecht, M.L. (2006). "Influences of Personal, Injunctive, and Descriptive Norms on Early Adolescent Substance Use," *Journal of Drug Issues* (36:1) winter, pp 147-172.

Fishbein, M. & Ajzen, I. (1975), *Belief, Attitude, Intention and Behavior: An Introduction to Theory and Research*, Addison-Wesley, Reading, MA.

- Franz, C. R. & Robey, D. (1987). Strategies for research on information systems in organizations: A critical analysis of research purpose and time frame. In *Critical Issues in Information Systems Research*, R. Boland and R. Hirschheim, Eds, Wiley, New York, 205-22.
- Ferreira, L.D. & Merchant, K.A. (1992). Field research in management accounting and control: a review and evaluation, *Accounting, Auditing & Accountability Journal*, Vol.5, Issue 4, pp.3-34.
- Ferreira, A. and Otley, D. (2005) "The design and use of management control systems: An extended framework for analysis", Social Science Research Network, available at: [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=682984](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=682984).
- Geerts, G. L. & McCarthy, W. E. (1999). 'An accounting object infrastructure for knowledge-base enterprise models'. *Intelligent Systems and Their Application*, IEEE, 14(4), 89-94.
- Gelderman, M. (1998). The Relation between User Satisfaction, Usage of Information System and Performance, *Information & Management*, Vol. 34, pp.11-18.
- Geletkanycz, M. A. & Hambrick, D. C. (1997). The external ties of top executives: Implications for strategic choice and performance. *Administrative Science Quarterly*, 42(4), 654-681.
- Gelinas, U.J., Sutton, S.G. & Oram, A.E. (1999). *Accounting Information Systems*, 4<sup>th</sup> ED., Cincinnati: South-Western College Publishing.
- Georopoulos, B.R. & Tannenbaum, A.S. (1957). A study of organizational effectiveness, *American Sociological Review*, 534-40.
- Giddens, A. (1984). "The constitution of society: outline of a theory of structuration", Cambridge: Polity Press.

- Gopi, M. & Ramayah, T. (2007). "Applicability of theory of planned behavior in predicting intention to trade online: some evidence from a developing country", *International Journal of Emerging Markets*, Vol. 2 No. 4, pp. 348-60.
- Gupta, P.P., Dirsmith, M.W. & Fogarty, T.J. (1994). "Coordination and control in a government agency: contingency and institutional theory perspectives on GAO audits", *Administrative Science Quarterly*, Vol. 39 No. 2, pp. 264-84.
- Habermas, J. (1974). *Theory and Practice*, London: Heinemann.
- Habermas, J. (1979). *Communication and the evolution of society*, London: Heinemann.
- Habermas, J. (1984). *Theory of communication action- reason and the relationalization of society (Vol.I)*. Boston, MA: Beacon Press.
- Habermas, J. (1987). *Theory of communicative action- Volume Two; life world and system: A critique of functionalist reason*. Boston, MA: Beacon Press.
- Hamilton, S. & Chervany, N.L. (1981). "Evaluating information system effectiveness - part I: comparing evaluation approaches," *MIS Quarterly*, Vol. 5 No. 3, pp. 55-69.
- Hirschheim, R., Klein, H. K., & Newman, M. (1991). "Information System Development as Social Action: Theoretical Perspectives and Practice", *Omega* 19, 587- 608.
- Hirschheim, R., Heinz, K. & Lyytinen, K. (1995). "Information Systems Development and Data Modeling: Conceptual and Philosophical Foundations," New York, USA, Cambridge University Press.
- Hofstede, G.H. (1980). *Culture's consequences: International differences in work-related values*  
Sage Publications.

- Hofstede GH (1991). *Cultures and organizations: Software of the mind*. McGraw-Hill International.
- Horst, M., Kuttschreuter, M. & Gutteling, J. M. (2007). "Perceived usefulness, personal experiences, risk perception and trust as determinants of adoption of e- government services in The Netherlands." *Computers in Human Behavior*, Vol. 23, No. 4, pp. 1838-1852.
- Hu, P. Chau, P. , Sheng, O. & Tam, K. (1999). " Examining the technology acceptance model using physician acceptance of telemedicine technology," *Journal of Management Information Systems*, 16 (2), pp. 91–112.
- Hsu, C.-L. & Lu, H.-P. (2004). "Why do people play on-line games? An extended TAM with social influences and flow experience," *Information & Management* (41:7), pp 853-868.
- Ives, B., Olson, M.H. & Baroudi, J.J. (1983). "The Measurement of User Information Satisfaction", *Communication of the ACM* No. 10, pp. 785- 793.
- Jen-Ruei, F., Cheng-Kiang, F. & Wen-Pin, C. (2006). "Acceptance of electronic tax filing: A study of taxpayer intentions", *Information & Management*, Vol. 43, pp. 109-26.
- Karahanna, E. & Straub, D. (1999). The psychological origins of perceived usefulness and ease-of-use, *Information and Management* 35 (4), pp. 237–250.
- Kelman (1961). Process of opinion change, *Public Opinion Quarterly* 25, pp. 57–78.
- Kerlinger, F.N. (1986). *foundations of Behavioral Research*, New York: CBS Publishing Japan Ltd.

- Kim, C., Jahng, J. & Lee, J. (2006). "An empirical investigation into the utilization- based information technology success model: integrating task performance and social influence perspective", *Journal of Information Technology*, 30, pp.1- 9.
- Kolb, D. M., & Putnam, L. (1992). The multiple faces of conflict in organizations. *Journal of Organizational Behavior*, 13, 311-324.
- Lascu, G. Zinkhan, (1999). Consumer conformity: review and applications for marketing theory and practice. *Journal of Marketing Theory and Practice* 7 (3), pp. 1–12.
- Latane, B. (1981). The Psychology of Social Impact. *American Psychologist* 36: 343–56
- Latane, B. (1996). Dynamic Social Impact: The Creation of Culture by Communication. *Journal of Communication*.
- Lee, Y., Lee, J. & Lee, Z. (2006). Social influence on technology acceptance behavior: Self-identity theory perspective. *Database for Advances in Information Systems*, 37(2/3), 60-75.
- Lewin, K. (1951). *Field theory in social science; selected theoretical papers*. D. Cartwright (ed.). New York: Harper & Row.
- Lewis, W., Agarwal, R. & Sambamurthy, V. (2003). "Sources of influence on beliefs about information technology use: an empirical study of knowledge workers", *MIS Quarterly*, Vol. 27 No. 4, pp. 657-78.
- Liao. S., Shao Y. Wang H. & Chen, A. (1999). The adoption of virtual banking: an empirical study, *International Journal of Information Management* 19, pp. 63–74.
- Liker. J. & Sindi. A. (1997). User acceptance of expert systems: a test of the theory of reasoned action. *Journal of Engineering and Technology Management* 14, pp. 147–173.

- Lucas, H. & Spitler, V. (1997). Implementation in a world of workstations and networks, *Information and Management* 38 (2), 2000, pp. 119–128.
- Lyytinen, K. (1987). “A taxonomic perspective of information system development: Theoretical constructs and recommendations”. In R. Boland & R. Hirschhiem (Eds), *Critical issues in information systems research* (pp. 3- 41), Chichester: Wiley.
- Margulies, N. & Wallace, J. (1989). *El cambio Organizacional, técnicas aplicaciones*, Editorial Trillas.
- Mason, R. & Mitroff, I. (1973). “A program for research on management information systems”, *Management Science*, 19, 475- 487.
- Mathieson, K. (1991). “Predicting user intention: comparing the technology acceptance model with the theory of planned behavior”, *Information Systems Research*, Vol. 2 No. 3.
- McMahon R. G. P. & Davies L. G. (1994). “Financial reporting and analysis practices in small enterprises: Their association with growth rate and financial performance.” *Journal of Small Business Management*; 11: 92-475.
- Mitchell, F. Reid, G. & Smith J. (2000). “Information system development in the small firm: the use of management accounting”, CIMA Publishing.
- O’Donnell, E. & David, J. (2000). “How information systems influence user decisions: a Research framework and literature review”, *International Journal of Accounting Information Systems*, Vol. 1, pp.178-203.
- Oliver, C. (1991), “Strategic responses to institutional processes.” *Academy of Management Review*, Vol. 16 No. 1, pp. 145-79.

- Olson, J. M. & Zanna, M. P. (1993). Attitudes and attitude change. *Annual Review of Psychology*, 44, 117–154.
- Orlikowski, W.J. & Robey, D. (1991). “Information technology and the structuring of organizations.” *Information Systems Research*, Vol. 2, June, pp. 143-69.
- Ouchi, W. G. (1979). “A conceptual framework for the design of organizational control mechanisms.” *Management Science*, volume 25, issue 9, pp. 833-848
- Pfeffer, J. (1982). *Organizations and Organizations Theory*, Pitman, Boston, MA.
- Radner, R. & Rothschild, M. (1975). “On the Allocation of Effort,” *Journal of Economic Theory*, Vol. (10), pp. 358- 376.
- Rainer, R. K. & Watson, H. J. (1995). The keys to executive information system success. *Journal of Management Information Systems*, 12(2), 83-98.
- Rashid, M.A., Hossain, L. & Patrick, J. (2000). *Enterprise Resource Planning: Global Opportunities, Challenges and Solution* (Edited), Idea Group Publishing, USA, ISBN: 1-930708- 36- X. (Edited Book).
- Rivis, A. & Sheeran, P. (2003). “Social Influences and the Theory of Planned Behaviour: Evidence for a Direct Relationship between Prototypes and Young People's Exercise Behaviour.” *Psychology & Health* (18:5), pp 567-583.
- Rogers, E. (1995). “*Diffusion of Innovations*, 4<sup>th</sup> Ed., the Free Press, New York.
- Romney, M.B., Steinbart, P. J. & Barry, E. (1997). *Accounting Information System*, Seventh Edition, Addison- Wesley.

Romney, M.B. & Steinbart, P.J. (2000). *Accounting Information Systems*. (8th Edition), Reading, MA: Addison- Wesley.

Romeney, B. & Steinbart, J. (2003). *Accounting information systems* (9th edition), prentice hall business publishing.

Salehi M., Alipour M. & Ramazani, M. (2010 b). Impact of IT on Firms' Financial Performance: Some Iranian Evidence, *Global Journal of Management and Business Research*, 10(4), 21-29.

Salehi M., Moradi, M. & Ariyanpour, A. (2010 a). A Study of the Integrity of Internet Financial Reporting: Empirical Evidence of Emerging Economy, *Global Journal of Management and Business Research*, 10(1), 148-158

Sekaran, U. (2003). *Research methods for Business: A skill building approach*. New York: John Wiley & Sons.

Simons, R. (1995). 'Levers of control', Harvard Business School Press, Boston, MA, USA.

Scott, R.W. (1987). "The adolescence of institutional theory." *Administrative Science Quarterly*, Vol. 32 No. 4, pp. 493-511.

Simon, H. (1981). *The science of the artificial* (2nd edn). Cambridge, MA: MIT Press.

Song, J. & Kim, Y. J. (2006). "Social influence process in the acceptance of a virtual community service." *Information System Front* 8, pp. 241-152.

Srite, M. (2006) "Culture as an explanation of technology acceptance differences: an empirical investigation of Chinese and U.S. users", *Australasian Journal of Information Systems*, 14, pp.5-26.



- Stupak, R. J. & Leitner, P. M. (2001). Managers and leaders: An active strategy for understanding and using power. *Journal of Power and Ethics*, 2(2), 130-143.
- Taylor, S. & Todd, P. (1995). "Assessing IT usage: the role of prior experience", *MIS Quarterly*, 22, pp. 561-570.
- Taylor, S. & Todd, P. (1995). "Understanding Information Technology Usage: A Test of Competing Models." *Information Systems Research*, Vol. 6, No 23, pp 144-176.
- Teo, T.S.H. & Pok, S.H. (2003). "Adoption of WAP-enabled mobile phones among internet users", *The International Journal of Management Science*, Vol. 31, pp. 483-98.
- Thompson, R., Higgins, C., & Howell, J. (1991). Personal computing: toward a conceptual model of utilization. *MIS Quarterly*, 15(1), 124-143.
- Triandis, H. (1980). *Beliefs, Attitudes, and Values*, University of Nebraska Press, Lincoln, pp. 195-259.
- Vaassen, E. H. J. & J. E. Hunton. (2009). an eclectic approach to accounting information systems. *International Journal of Accounting Information Systems* 10(4): 173-176.
- Venkatesh, V., (2000) Determinants of perceived ease of use: Integrating control, intrinsic motivation, and emotion into the technology acceptance model. *Information Systems Research*, 11(4), 342-365.
- Venkatesh, V. & Morris, M.G. (2000). "Why don't men ever stop to ask for directions? Gender, social influence, and their role in technology acceptance and usage behavior", *MIS Quarterly*, 24, pp. 115-139.

Venkatesh, V., Morris, M. G. & Davis, G. B. (2003). User acceptance of information technology: Toward a unified view. *MIS Quarterly*, 27(3), 425–478.

Venkatesh, V. & Davis, F.D. (2000). “A theoretical expansion of the technology acceptance model: four longitudinal field studies”, *Management Science*, Vol. 46 No. 2, pp. 186-204.

Vroom, V. H. (1964). *Work and Motivation*, New York: Wiley.

Wicker, A. W. (1969) Attitudes versus actions: The relationship of verbal and overt behavioral responses to attitude objects. *Journal of Social Issues*, 25, 41–47.

Wixom, B.H., & Todd, P.A. (2005). “A theoretical Integration of User Satisfaction and Technology Acceptance”, *Information Systems Research*, 16(1), 85- 102.

Yuchtman, E. & Seashore, S. (1967). “A System Resource Approach to Organizational Effectiveness, *American Sociological Review*, Vol. 32; pp. 891- 903.

Zeffane, R. M. (1994) “Correlates of Job Satisfaction and Their Implications for Work Redesign: A Focus on the Australian Telecommunications Industry”, *Public Personnel Management*, Vol. 1, pp.61- 75.

# **APPENDIXES**