

**RELATIONSHIP BETWEEN JOB SATISFACTION  
AND ORGANIZATIONAL CITIZENSHIP  
BEHAVIOUR (OCB):  
THE MODERATING ROLE OF  
TEAM COMMITMENT**

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ORGANIZATIONAL CITIZENSHIP BEHAVIOUR (OCB):  
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TEAM COMMITMENT**

**A thesis submitted to Centre for Research and Postgraduate Studies  
in partial fulfillment of the requirements for the degree of  
Master of Science (Management)  
Universiti Utara Malaysia**

**By**

**Siti Noor Asekin Jaafar**

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## **ABSTRAK**

Kajian ini bertujuan mengkaji hubungan antara kepuasan kerja dan gelagat kewarganegaraan organisasi (OCB), serta mengenal pasti sama ada komitmen pasukan mempengaruhi hubungan antara kepuasan kerja dan OCB. Seramai 94 orang anggota Tentera Darat di Kem Mahkota, Kluang, Johor diambil sebagai sampel kajian, dengan menggunakan kaedah persampelan rawak mudah. Soal selidik dibahagi kepada empat bahagian iaitu Bahagian A (faktor-faktor demografi – 7 item), Bahagian B (kepuasan kerja – 72 item), Bahagian C (gelagat kewarganegaraan organisasi – 21 item), dan Bahagian D (komitmen pasukan – 12 item). Kajian ini menggunakan analisis frekuensi, analisis deskriptif, korelasi Pearson, dan ANOVA sehalu untuk menguji hipotesis kajian. Hasil kajian mendapati terdapat hubungan yang signifikan antara kepuasan kerja dan OCB. Kajian juga menunjukkan bahawa komitmen pasukan mempengaruhi hubungan antara kepuasan kerja dan OCB. Faktor demografi umur didapati mempunyai hubungan signifikan terhadap amalan OCB, manakala faktor demografi tempoh perkhidmatan didapati tidak mempunyai hubungan signifikan dengan amalan OCB.

## **ABSTRACT**

The purpose of this study was to examine the relationship between job satisfaction and organizational citizenship behaviour (OCB), and to determine whether team commitment moderates the relationship between job satisfaction and OCB. Data were taken from 94 Army personnel that working in military base located in Mahkota Camp, Kluang, Johor. This study used the simple random sampling technique. The questionnaire was divided into four section, namely Section A (demographic factors – consist 7 items), Section B (job satisfaction – 72 items), Section C (organizational citizenship behaviour – 21 items), and Section D (team commitment – 12 items). This study was used frequency analysis, descriptive analysis, Pearson correlation, and One-way ANOVA to test the hypotheses. The results suggested that job satisfaction was significant related to organizational citizenship behaviour. The study also indicates that team commitment does moderates the relationship between job satisfaction and OCB. Demographic factors, age was found to be related to OCB practices, while tenure was found not related to OCB practices.

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*“Seek knowledge from the cradle to the grave”*

***-Prophet Muhammad S.A.W.***

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### ***My beloved siblings***

Azahari Jaafar  
Idris Jaafar  
Hadaffi Jaafar  
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Salina Suparin

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## **ABBREVIATIONS**

<b>OCB</b>	Organizational Citizenship Behaviour
<b>JS</b>	Job Satisfaction
<b>TC</b>	Team Commitment

## **CHAPTER ONE**

### **INTRODUCTION**

#### **1.0 Introduction**

It is commonly accepted in the management literature that organizations need employees who are willing to exceed their formal job requirements (Katz & Kahn, 1978, Organ 1988). Employees who go the extra mile by performing spontaneous behaviours that go beyond their role prescriptions are especially valued by management (Normala, 2005). Organizational citizenship behaviour (OCB) is an extraordinary aspect of individual behaviour at work. OCB has been said to enhance organizational performance because these activities lubricate the social machinery of the organization, reduce friction, and increase efficiency (Bateman & Organ, 1983). Specifically, OCB has been defined as “individual behaviour that is discretionary, not directly or explicitly recognized by the formal reward system, and that in the aggregate promotes the effective functioning of the organization” (Organ, 1988, p.4). The word ‘discretionary’ according to Organ (1988), means that the behaviour is not enforceable requirement of the role or the job description.

Organizational citizenship behaviour becomes one of the topics that have generated considerable research attention in recent years. In 1977, Organ for the first time introduced the term “organizational citizenship behaviour” (OCB), which he suggested was a component of job performance (Murph, Athanasou and King, 2002). OCB is viewed widely as contributing to an organization’s overall effectiveness (Organ, 1988, 1997; Podsakoff,

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## References

- Allen, T. D. (2006). Rewarding good citizens: The relationship between citizenship behavior, gender, and organizational rewards. *Journal of Applied Social Psychology*, 36 (1), 120-143.
- Alpass, F., Long, N., Chamberlain, K., & MacDonald, C. (1997). Job satisfaction differences between military and ex-military personnel: The role of demographic and organizational variables. *Military Psychology*, 9(3), 227-249.
- Ang, S., & Van Dyne, L. (1998). Organizational citizenship behavior of contingent workers in Singapore. *Academic of Management Journal*, 41(6), 692-703.
- Baker, T. L., Hunt, T. G., & Andrews, M. C. (2006). Promoting ethical behavior and organizational citizenship behavior: The influence of corporate ethical values. *Journal of Business Research*, 59, 849-857.
- Becker, T. E. (1992). Foci and bases of commitment: Are they distinctions worth making? *Academic of Management Journal*, 35(1), 232-244.
- Becker, T. E., & Billings, R. S. (1993). Profiles of commitment: An empirical test. *Journal of Organizational Behavior*, 14(2), 177-190.
- Bateman, T. S. & Organ, D. W. (1983). Job satisfaction and good soldier: the relationship between affect and employee citizenship. *Academy of Management Journal*, 26(4), 587-595.
- Battencourt, L. A. (2004). Change-oriented organizational citizenship behaviors: The direct and moderating influence of goal orientation. *Journal of Retailing*, 80, 165-180.
- Batterncourt, L. A., Meuter, M. L., & Gwinner, K. P. (2001). A comparison of attitude, personality, and knowledge predictors of service-oriented organizational citizenship behaviors. *Journal of Applied Psychology*, 86, 29-41.
- Battenhausen, K. L. (1991). Five years of group research: What we've learned and what we needs to be addressed. *Journal of Management*, 17(2), 345-381.

- Bishop, J. S., Scott, K. D., & Burroughs, S. (2000). Support commitment and employee outcomes in a team environment. *Journal of Management*, 26(6), 1113-1132.
- Bishop, J. S., Scott, K. D., Goldsby, M. G. & Cropanzano, R. (2005). A construct validity study of commitment and perceived support variables: a multifocal approach across different team environments. *Group and Organization Management*, 30, 153-180.
- Chompookum, D., & Derr, C. B. (2004). The effect of internal career orientations on organizational citizenship behavior in Thailand. *Career Development International*, 9(4), 406-423.
- Cohen, A., & Vigoda, E. (2000). Do good citizens make good organizational citizens? An empirical examination of the relationship between general citizenship and organizational citizenship behavior in Israel. *Administration and Society*, 32(5), 596-624.
- Cohen, S. G., & Bailey, D. (1997). What makes team work: Group effectiveness research from the shop floor to the executive suite. *Journal of Management*, 23, 239-290.
- Colquitt, J. A., LePine, J. A., & Wesson, M. J. (2009). *Organizational behavior: Improving performance and commitment in the workplace*. New York: McGraw-Hill
- Coyle-Shapiro, J. A. M. (2002). A psychological contract perspective on organizational citizenship behavior. *Journal of Organizational Behavior*, 23, 927-946.
- De Lara, P. Z. M. & Rodriguez, T. F. E. (2007). Organization anomie as of the relationship between an unfavorable attitudinal environment and citizenship behavior (OCB) – an empirical study among university administration and services personnel. *Personnel Review*, 36(5-6), 843-866.
- Dipaola, M., & Tschannen-Moran, M. (2001). Organizational citizenship behavior in school and its relationship to school climate. *Journal of School Leadership*, 11, 424-447.
- Droussiotis, A. & Austin, J. (2007). Job satisfaction of managers in Cyprus. *EuroMed Journal of Business*, 2(2), 208-222.

- Dupre, K. E., & Day, A. L. (2007). The effects of supportive management and job quality on the turnover intentions and health of military personnel. *Human Resource Management*, 46(2), 185-201.
- Ehrhart, M. G., Bliese, P. D., & Thomas, J. L. (2006). Unit-level OCB and unit effectiveness: Examining the incremental effect of helping behavior. *Human Performance*, 19(2), 159-173.
- Foot, D. A. & Tang, T. L. P. (2008). Job satisfaction and organizational citizenship behavior (OCB): does team commitment make a difference in self-directed teams?. *Managerial Decision*, 46(6), 933-947.
- Gade, P. A. (2003). Organizational commitment in the military: An Overview. *Military Psychology*, 15(3), 163-166.
- Garg, P., & Rastogi, R. (2006). Climate profile and OCBs of teachers in public and private schools of India. *International Journal of Educational Management*, 20(7), 529-541.
- George, J. M., & Jones, G. R. (1997). Organizational spontaneity in context. *Human Performance*, 10, 153-170.
- Gonzalez, J. V. & Garazo, T. G. (2006). Structural relationship between organizational service orientation, contact employee job satisfaction and citizen behavior. *International Journal of Service Industry Management*, 17(1), 23-50.
- Graham, J. W. (1991). An essay on organizational citizenship behavior. *Employee Responsibilities and Rights Journal*, 4, 249-270.
- Hair, J. F. Jr., Money, A. H., Samouel, P., & Page, M. (2007). *Research methods for business*. West Sussex, England: John Wiley & Sons.
- Halfhill, T., Nielsen, T. M., Sundstrom, E., & Weilbaecher, A. (2005). Group personality composition and performance in military service teams. *Military Psychology*, 17(1), 41-54.

- Hetty van Emmerik, I. J., & Euwema, M. C. (2007). Who is offering a helping hand? Associations between personality and OCBs, and the moderating role of team leader effectiveness. *Journal of Managerial Psychology*, 22(6), 530-548.
- Katz, D., & Kahn, R. L. (1978). *The social psychology of organizations*. New York: Wiley.
- Katzenbach, J. R., & Smith, D. K. (2008). *The discipline of teams*. Boston, MA: Harvard Business School.
- Kidder, D. L., & McLean Parks, J. (2001). The good soldier: Who is s(he)? *Journal of Organizational Behavior*, 22, 939-959.
- Kidder, D. L. (2002). The influence of gender on the performance of organizational citizenship behaviors. *Journal of Management*, 28(5), 629-648.
- Kim, S. (2006). Public service motivation and organizational citizenship behavior in Korea. *International Journal of Manpower*, 27(8), 722-740.
- Konovsky, M. A., & Pugh, S. D. (1994). Citizenship behavior and social exchange. *Academy of Management Journal*, 37, 656-669.
- LePine, J. A., Erez, A., & Johnson, D. E. (2002). The nature and dimensionality of organizational citizenship behavior: A critical review and meta-analysis. *Journal of Applied Psychology*, 87, 52-65.
- Levi, D. (2001). *Understanding teams. Group dynamics for teams*. Sage: Thousand Oaks, CA.
- Limbert, C. (2004). Psychological well-being and job satisfaction amongst military personnel on unaccompanied tours: The impact of perceived social support and coping strategies. *Military Psychology*.
- Locke, E. (1976). The nature and causes of job satisfaction, in Durincetti, M. D. (Ed), *Handbook of Industrial and Organizational Psychology*, Rand McNally, Chicago, IL, 1297-1349.

- Marks, M., Mathieu, J., & Zaccaro, S. (2001). A temporally-based framework and taxonomy of team processes. *Academy of Management Review*, 26(3), 356-376.
- Mathieu, J. E., & Zajac, D. M. (1990). A review and meta-analysis of the antecedents, correlates, and consequences of organizational commitment. *Psychological Bulletin*, 108(2), 171-194.
- Meyer, J. P., & Herscovitch, L. (2001). Commitment in the workplace: Towards a general model. *Human Resource Management Review*, 11(3), 299-326.
- Moorman, R. H. (1993). The influence of cognitive and affective based job satisfaction measures on the relationship between satisfaction and organizational citizenship behavior. *Human Relation*, 46, 759-776.
- Morrison, E. W. (1994). Role definitions and organizational citizenship behavior: The importance of the employee's perspective. *Academic of Management Journal*, 37, 1543-1567.
- Motowildo, S. J. (2000). Some basic issues related to contextual performance and organizational citizenship behavior in human resource management. *Human Resource Management Review*, 10(1), 115-127.
- Murphy, G., Athanasou, J. & King, N. (2002). Job satisfaction and organization citizenship behavior: a study of Australian human-service professionals. *Journal of Managerial Psychology*, 17(4), 287-297.
- Nadiri, H., & Tanova, C. (2009). An investigation of the role of justice in turnover intentions, job satisfaction, and organizational citizenship behavior in hospitality industry. *International Journal of Hospitality Management*, 29, 33-41.
- Netmeyer, R. G., Bowles, J. S., MacKee, D. O., & McMurrian, R. (1997). An investigation into the antecedents of organizational citizenship behavior in a personal selling context. *Journal of Marketing*, 61, 85-98.

- Noraini Othman (2002). *Antecedents of organizational citizenship behavior*. Unpublished Master Thesis. Universiti Utara Malaysia.
- Nor Liyana Mohd Bokti, & Mansor Abu Talib. (2009). A preliminary study on occupational stress and job satisfaction among male Navy personnel at a Naval Base in Lumut, Malaysia. *The Journal of International Social Research*, 2(9), 299-307.
- Normala Amir Ishak. (2005). Promoting employees' innovativeness and organizational citizenship behavior through superior-subordinate relationship in the workplace. *Research and Practice in Human Resource Management*, 13(2), 16-30.
- O'Leary, P., Wharton, N., & Quinlan, T. (2009). Job satisfaction of physicians in Russia. *International Journal of Health Care Quality Assurance*, 22(2), 221-231.
- Organ, D. W. (1988). *Organizational citizenship behavior: The good soldier syndrome*. Lexington, MA: Lexington Books.
- Organ, D. W. (1997). Organizational citizenship behavior: It's construct clean-up time. *Human Performance*, 10, 85-97
- Organ, D. W. and Ryan, K. (1995). A meta-analytic review of attitudinal and dispositional predictors of organizational citizenship behavior. *Personnel Psychology*, 48(4), 775-803.
- Oshagbemi, Titus. (1999). Overall job satisfaction: How well good are single versus multiple-item measures? *Journal of Managerial Psychology*, 14(5), 388-403.
- Paille, P. (2009). The relationship between support, commitment and intent to leave team. *Team Performance Management*, 15(1/2), 49-62.
- Paine, J. B., & Organ, D. W. (2000). The cultural matrix of organizational citizenship behavior: Some preliminary conceptual and empirical observations. *Human Resource Management Review*, 10(1), 45-60.

- Park, S., Henkin, A. B., & Egley, R. (2005). Teacher team commitment, teamwork and trust: Exploring associations. *Journal of Educational Administration*, 43(5), 462-479.
- Pearce, C. L., & Herbig, P. A. (2004). Citizenship behavior at the team level of analysis: The effects of team leadership, team commitment, perceived team support, and team size. *The Journal of Social Psychology*, 144(3), 293-310.
- Piercy, N. F., Lane, N., & Cravens, D. W. (2002). A gender perspective on salesperson organizational citizenship behavior, sales manager control strategy and sales unit effectiveness. *Women in Management Review*, 17(18), 373-391.
- Podsakoff, P. M., & MacKenzie, S. B. (1994). Organizational citizenship behavior and sales unit effectiveness. *Journal of Marketing Research*, 3(1), 351-363.
- Podsakoff, P. M., MacKenzie, S. B., Moorman, R. H., & Fetter, R. (1990). Transformational leader behaviors and their effects on followers' trust in leader, satisfaction, and organizational citizenship behaviors. *Leadership Quarterly*, 1, 107-142.
- Podsakoff, P. M., MacKenzie, S. B., Paine, J. B. & Bachrach, D. G. (2000). Organization citizenship behaviors: a critical review of the theoretical and empirical literature and suggestions for future research. *Journal of Management*, 26, 513-563.
- Powell, A., Galvin, J., & Piccoli, G. (2006). Antecedents to team member commitment from near and far: A comparison between collocated and virtual teams. *International Technology & People*, 19(4), 299-322.
- Puffer, S. M. (1987). Pro-social behavior, non-complaint behavior and work performance among commission salesperson. *Journal of Applied Psychology*, 72, 615-621.
- Randel, A. E. (2003). The salience of culture in multinational teams and its relation to team citizenship behavior. *International Journal of Cross Cultural Management*, 3(1), 27-44.
- Salas, E., Bowers, C. A., & Cannon-Bowers, J. A. (1995). Military team research: 10 years of progress. *Military Psychology*, 7(2), 55-75.

- Sekaran, U. (2003). *Research method for business* (4<sup>th</sup> ed). Southern Illionis University at Carbondale.
- Settoon, R. P., Bennett, N., & Liden, R. C. (1996). Social exchange in organizational support, leader-member exchange, and employee reciprocity. *Journal of Applied Psychology*, 81(3), 219-227.
- Shaiful Annuar Khalid (2005). *Organizational citizenship behavior, turnover intention and absenteeism of hotel employees*. Unpublished PhD Thesis, Universiti Utara Malaysia.
- Shaiful Anuar Khalid, Hassan Ali, Mohammad Ismail, Norshimah Abdul Rahman, Kamsol Mohamed Kassim, & Rozihana Shekh Zain. (2009). Organizational citizenship behavior among employees in hotel industry. *International Journal of Psychological Studies*, 1(1), 16-25.
- Shore, L. M., & Tetrick, L. E. (1991). A construct validity study of the survey perceived organizational support. *Journal of Applied Psychology*, 76(5), 637-643.
- Spector, P. E. (1997). *Job satisfaction: Application, assessment, causes, and consequences*. Thousand Oaks, CA.
- Stinghambler, F., & Vanderberghe, C. (2003). Organizations and supervisors as source of support and targets of commitment: A longitudinal study. *Journal of Organizational Behavior*, 24(3), 251-270.
- Sundstrom, E., DeMeuse, K. P., & Futrell, D. (1990). Work teams: Applications and effectiveness. *American Psychologist*, 45, 120-133.
- Sundstrom, E., McIntyre, M., Halfhill, T. R., & Richards, H. (2000). Work groups: From the Hawthorne studies to work teams of the 1990s and beyond. *Group Dynamics*, 4, 44-67.
- Torlak, O., & Koc, U. (2007). Materialistic attitude as an antecedent of organizational citizenship behavior. *Management Research News*, 30(8), 581-596.



- Turnipseed, D. L. & Rassuli, A. (2005). Performance perceptions of organizational citizenship behaviors at work: a bi-level study among managers and employees. *British Journal of Management*, 16, 231-244.
- Turnipseed, D. L. (2002). Are good soldiers good? Exploring the link between organizational citizenship behavior and personal ethics. *Journal of Business Research*, 55, 1-15.
- Van Der Vegt, G. S., Van De Vliert, E., & Oosterhof, A. (2003). Informational dissimilarity and organizational citizenship behavior: The role of intrateam interdependence and team identification. *Academy of Management Journal*, 46(6), 715-727.
- Van Dyne, L., Graham, J. W., & Dienesch, R. M. (1994). Organizational citizenship behavior: Construct redefinition, measurement and validation. *Academic of Management Journal*, 37, 765-802.
- Van Scotter, J. R., & Motowildo, S. J. (1996). Interpersonal facilitation and job dedication as separate facets of contextual performance. *Journal of Applied Psychology*, 81, 525-531.
- Van Yperen, N., Van den Berg, A. & Willering, M. (1999). Towards a better understanding of the link between participation in decision making and organizational citizenship behavior: a multi-level analysis. *Journal of Occupational and Organizational Psychology*, 72, 377-392.
- Wagner, S. & Rush, M. (2000). Altruistic organizational citizenship behavior: context, disposition and age. *The Journal of Social Psychology*, 140, 379-391.
- Wanxian, L., & Weiwu, W. (2007). A demographic study on citizenship behavior as in-role orientation. *Personality and Individual Differences*, 42, 225-234.