# A STUDY OF FACTORS AFFECTING JOB'S SATISFACTION OF EMPLOYEES IN ACCOUNTING FIRMS IN BANGKOK

<sup>1</sup>NantikaThamnajit,<sup>2</sup>Thongdee Kijboonchoo

Abstract: The objective of this paper is to examine factors that are related to job satisfactionin accounting firms in Bangkok. The research model includes major factors, such as, job stress, organizational commitment, job autonomy, organizational conflict, quality of work life, remuneration and supervision. They are hypothesized to relate to job satisfaction. The sample size of this study are 250 accountants in 7 selected accounting firms in Bangkok. The data are collected by using convenience sampling technique and Pearson correlation is employed to test the hypotheses. The findings indicate that job stress, organizational commitment, job autonomy, organizational conflict, quality of work life, remuneration and supervision have significant correlation with job satisfaction. They are crucial for improving the level of job satisfaction of these accounting firms.

**Key words**: job satisfaction, organizational commitment and conflict, job stress, job autonomy, quality of work life, remuneration, supervision, accountants

### 1.Introduction

In Thailand, some accounting firms are encounteringarising problem of high turnover rate of their employees. The nature of auditing work, professional conflict. environment, remuneration, pressure inside and outside these firms may cause the problem. However, according (Poon, 2004;Summer Niederman. 2004; Foreman, 2009: andGuimaraes, Igbaria 1993),job dissatisfaction is one of the main factors that leads to employees, turnover. The negative outcome of job dissatisfaction also includes reducing workeffort and increasing the error rate which increase the incident rates (Masia&Pienaar, 2010).

University, Oregon, USA in 1986 and Doctor of Philosophy in Economics from University of the Philippines (Diliman) in 1994.

Therefore, job satisfaction is crucial for and conducive to increasing work effort and performance of individuals that affect their companies(Dillard and Ferris, 1989; Brierley, 1999; Pasewark and Viator, 2006). So, it is emperative to factors that identify affect satisfaction in these accounting firms in order to provide solutions toreduce the turnover, and subsequently increase employee performance as well as loyalty.

According to Sang *et al.* (2008), job satisfaction can be recognized as an emotional reaction to employee's job that results from the actual consequences with those that are expected. Hence, if firms can find factorsthat affect job satisfaction, they will help decrease the problem of poor

<sup>&</sup>lt;sup>1</sup>Nantika Thamnajit graduated Master's degree in Business Administration from Assumption University of Thailand in 2015

<sup>&</sup>lt;sup>2</sup>Thongdee Kijboonchoo graduated Master's degree in Economics from Portland State

occupational well-being of employees in the organization (Masia&Pienaar, 2010).Norris and Niebuhr (1983)indicated that job satisfaction is assorted essentially with several dimensions of organizational commitment and professionalism. Accounting firms, employees who are given the appropriate professional surroundings are more likely to have higher level of job satisfaction. Fisher (2001) stated that job stress and job satisfaction have significant relationship. Pasewark and Viator (2006) showed that there is a significant relationship between the perception of work interfering with family, turnover intentions and public accountant's job satisfaction. Factors, such as, job stress, organization commitment, iob insecurity. iob autonomy. organizational professional conflict, remuneration, quality of work life, promotion, supervision, teamwork, are considered influencing factors to job satisfaction (Eskildsen&Kristensen, 2004: Bamber&Lyer, 2009: Masia&Pienaar, 2011). Nevertheless, the important components of the professional surroundings auditor's such as the firm's tone at the top and job autonomy have not been investigated inconjunction with job satisfaction of auditors.

This paper attempted to examine crucial factors that affect job satisfaction in accounting focusing on job autonomy, job stress, organizational commitment, organizational professional conflict, quality of work life and remuneration. The researcher expected that the findings would provide information as well as solutions to assist accounting managers in these firms. They will also know how to make them satisfied, improve their performance and stay

longer with the firms. The findings are crucial resources for management, business plan and strategy development. They can be applied to other accounting firms which have similar nature of work. The related variables examined in the model for such purposes will be further discussed accordingly in the literature review.

## 2.Literature Review

Job Satisfaction

According to Wickramasinghe (2009), job satisfaction is consolidations of physiological, psychological and environmental situation that make employees express their feeling that they are satisfied with their career. Ho, et al. (2009) described that the job satisfaction level relies on distinction between what employees obtain from their job and their expectation.Moreover, Masia and Pienaar (2010) mentioned that job satisfaction is an optimistic emotional circumstance which reflects employees, emotional response to the content of perception and attribute of specific aspects of job state. In the job satisfaction, there are elements and levels where employees like or dislike their career.

## Job autonomy and job satisfaction

Job autonomy can be defined as independence relished by an expert to use individual decision in using his /her knowledge of profession (BamberandIyer, 2009). According to Shafer, *et al.* (2002), the demand of autonomy alludes to the professionals and willing to be free to make a decision about their career. Moreover, autonomy can be described as level to which job gives independence, freedom and alternatives to employee in the working schedule and also in deciding which

schemes to use in achieving that task (Montgomery, *et al.*, 1996).

Strawseretet al. (1969) indicated that the accountants in the certified public accountant, known as CPA, companies respect the opportunity to exercise high scales of freedom. Two studies found that internal auditors with job autonomy provided are likely to have higher auditors, professionalism (Fogarty & Kalbers 2000). According to Spector (1986), people with higher levels of job autonomy are likely to more job satisfaction and motivated. Therefore, giving a chance to the employee to apply his / her professional decision can enhance the auditors, appreciation for the trust that firms are giving to them.

*H1*: Job autonomy has a positive impact on job satisfaction.

Job stress and job satisfaction

Larson (2004) stated that any organizations' conditions that pose a menace to the employee can refer to the job stress. It also includes requirement of a job that employees cannot achieve or the deficiency of adequate resources to achieve the requirement in their jobs. Masia and Pienaar (2010) stated that work stress comprises of the confliction work overload, and of function. uncertainty of employees, responsibility. In every organization, the job stress is built from the combination expectations of each employee's behavior from all parts in the organization (Ho etal., 2009). Montgomery, et al. (1996) mentioned that in the financial services business, there are about seventy-five percent of turnover rate which is seriously a consequence of job stress.

Fairbrother and Warn (2002) studied on workplace dimensions,

stress, and job satisfaction. Theyfound that stress combined with work dimensions explained 65 percent of the variation of job satisfaction, and the stress had a moderate negative correlation with job satisfaction.Dua (1994) also studiedon job stress, employees, health in both physical and emotional on job satisfaction. The researcher found that the high level of job stress was blended with low level of physical health, emotional health with high level of job dissatisfaction. Evidences show a relationship between health, job stress and job dissatisfaction.

*H2:* Job stress has a negative impact on job satisfaction.

Organizational commitment and job satisfaction

Shafer, et al. (2002) defined the organizational commitment powerful faith and agreement of firm's objectives and values, a contention to put efforts on the side of firm and a powerful will to retain the firm (2009)enrollment. Ho, etal. demonstrated that organizational commitment is the voluntariness of employee to devote working endeavor faithfulness to organization. According to Masia and Pienaar (2010), the psychological channel between employees and their organizational organization is commitment that could decrease the possibility that employees will leave the organization intentionally.

Organizational commitment is the psychological connection between the organizations and their employees. It decreases the possibility that employees will depart the organizations deliberately (Allen & Meyer, 1990). It relates strength of employees' recognition and collaboration with their organizations. In the meantime, employees who are

extremely satisfied with their organizations, responsibilities have high level of organizational commitment (Kotze, 2005; Paul &Maiti, 2005; Probst& Brubaker, 2001).

Anari (2012) found organizational commitment of teachers is positively correlated with job satisfaction. This relationship is consistent with the previous studies by (Rose, 1991; Petrides&Furham, 2006).

H3:Organizational commitment has a positive impact on job satisfaction. Organizational professional conflict and job satisfaction

Shafer (2009)explained organizational professional conflict as the product disagreement between the engagement of organizational professional. However. the organizational goals may be different from professional goals because the organizations incline to be concerned more on existence and economic regulation (Luiet al., 2001). Employees in the organization might undergo different organizational and expectation, professional which concern about appropriate forms of role behavior. As stated by Bamber and Lyer organizational professional (2009),conflict can arise when valuesare inconsonant with the professional for example, values, professional autonomy and sustaining quality standards.

Organizational professional conflict has been used to inspect tightness auditor between the of company demands and possible competing professionalism (Brierley, 1998; Bamber and Iyer, 2002). Bamber (2009)found and Lyer that organizational professional conflict has negative effect on a large satisfaction. Conversely, organizational

professional conflict was found to have large positive impact on organizational turnover intentions. In conclusion, the organizational professional conflict can cause harmful effect on employees work behavior and attitudes which may affect the employees job satisfaction.

*H4:* Organizational professional conflict has a negative impact on job satisfaction.

Quality of work life and job satisfaction

Quality of work life is a combination of particular attributes such as sufficiency and the quality of organizations, facilities, working such as organizations, conditions rules and procedures, policies, supervisor's style and also general environment factors in the organization (Noor & Abdullar, 2012). According to Koonmee, et al. (2010), quality of work life is determined as the strength and weakness in working conditions.

One significant attention for employers is the employee's perception about quality of work life. This attracts employer to improve his/her employees, satisfaction since perception performs an important function in employees, decision making to enroll, stay with, or leave the company (Bangtasos, 2011). Lee et al. (2007) found that work life quality has a positive impact on job satisfaction. Behar et al. (2004) states that work life quality is greatly related to several components of job satisfaction, for example; psychological support in the workplace, physical environment and free time for lifestyle and sports.Lee et al. (2007) found that work life quality has a positive impact on job satisfaction

H5: Quality of work life has a positive impact on job satisfaction.

Remuneration and job satisfaction

According to Cybinski and Windsor (2013), remuneration can be determined as the sum of fixed income, which are base salary and fringe benefits, and short-term income such as bonus.Nowadays in many organizations, executive remuneration is not only comprised of a base salary and bonuses, it also includes the stock options and restricted share as well. In order to convince the executives to maintain their position, the organization should provide the proper remuneration that meets the executives, expectations (Nyombi, 2014).

As stated in Ting (1997), there is relationship between a remunerationand job satisfaction public sector employees. among Likewise, Robbins (2003) stresses that the fair compensations, which mention bonus systems that experienced as reasonable and in line with the expectation of employees, are job satisfaction's powerful element. Additionally, Kebriael and Moteghedi (2009) stated that employees in the organization characterized the job dissatisfaction to the low payment and remuneration. Moreover, NaeemIlham, et al. (2011) found a positive relationship between remuneration and iob satisfaction among civil employees in the Republic of Maldives.

*H6*:Remuneration has a positive impact on job satisfaction.

## Supervision and job satisfaction

According to Ratliff, *et al.* (1993), supervision includes all needful path to make sure that all works are managed effectively and efficiently. Supervision always begins with the primary procedures to make any assigned task to be completed. Moreover, there are several significant parts of the supervision once any

project has been approved such as instructing the employees on their job assigned, managing the proper amount of the employees works, among others(Ratliff, 1993). Strandler (2014) stated that supervision becomes more control on time efficiency and accomplishment. Moreover, the method of supervision should be done accordingly to the coaching method (Mead et al, 1999).

According to Smucker, et al. (2003), there is a positive correlation between supervision and iob satisfaction. Supervision is a key role to create job satisfaction when the capable manager can give support and guidance in both emotional and technical on work-related duties (Robbins, 2003). Ladebo (2008) demonstrates that supervision is one of the iob satisfaction's predictors that has an influence on job performance and employees, behavior in organization.

*H7*:Supervision has positive impact on job satisfaction.

## 3. Research methodology

Zikmund (2004) defined target population as a group of specific people is related to the research objective. The target population in this study are accountants in seven selected registered accounting firms Bangkok. The samples selected in this study represent various positions of the population. Roscoe (1975) stated that the most proper sample size for doing research is between 30 and 500 respondents. Hence in this study, the researcher focused on 250 accountants in different levels of the selected accounting firms.

According to this sample size, the researcher decided to use confidence level at 95%; thus, the error of sampling

in this research is 5%. It means that every 95 out of 100 selected samples are real population (Easton, V. & McColl, J., 1997). Non-probability purposive, convenient sampling and quota techniques for were used the questionnaire distribution.

All variables employed in the model are measured with multi-items. Ouestionnaire constructed for each variable is based on the reviewed literatures as follows -Job autonomy from BamberandIyer (2009), Job satisfaction from Wickramasinghe (2009) Job stress from Larson (2004), Organizational commitment from Masia and Pienaar (2012), Organizational professional conflict from Bamber and Lyer (2009), Quality of work life from Koonmee, et. al.(2010), Remuneration from Cybinski and Windsor (2013), Supervision from Ratliff, et al.(1993). Five-point LikertScales are used.

Descriptive statistics are employed for discussing descriptive analysis of all the variables, and Pearson 's correlation coefficients for testing all the seven hypotheses, and Cronbach's alpha coefficient to determine reliability of the research instrument.

## 4. Discussion of Results, Implications and Recommendations

The findings show a moderate level of job satisfaction among employees in the seven accounting firms. The model has also identified seven factors that help explain job satisfaction. The study has found job stress and organizational professional conflict are negatively related to job satisfaction. While organizational commitment, job autonomy, remuneration, quality of work life and

supervision are positive factors that are related to job satisfaction. They are important factors that can bring about employees' satisfaction which in turn can reduce employees' turnover intention, and increase employees' performance and loyalty. A detail discussion of each finding and its implications will be provided as follows.

Job stress is found to prevail and a moderate and negative relationship exists between job stress and job satisfaction (r = -.508\*\*). This is consistent with Kerry Fairbrother and James Warn (2003). Currently, job stress significantly reduces job satisfaction. Therefore, to increase the level of job satisfaction, the management team should try to decrease the level of job stress. There are several strategies to decrease the level of job stress. In accordance with our job stress components, job stress can be reduced by allowing the accountants to utilize their time appropriately, making them clear with their responsibilities, assigning them only jobs that are necessary, letting them work in linewith policies and guidelines, assigning them with relatively adequate work, among others.

The findings show a moderate level of organizational commitment, a moderate and moderate and positive relationship exists between organizational commitment and job satisfaction (r = .534\*\*). This is consistent with Rose (1991) and Petrides and Furham (2006).

At present, organizational commitment moderately increases job satisfaction. Therefore, to increase a higher level of job satisfaction, the

management team should try to increase the level of existing organizational commitment.

Organizational commitment can be increased by making accountants feel proud to be a part of the organization, making them caring about the future development of the organization, making them willing to pass on their working experience to new staff, among others.

The findings show a moderate level of job autonomy, lowand positive relationship exists between job autonomy and job satisfaction (r = .255\*\*), which is consistent with Fogarty and Kalbers (2000) and Spector (1986). Therefore, to increase the level of job satisfaction, the management team should try to increase the level of existing job autonomy. Job autonomy can be increased by giving the accountants more freedom to decide how to go about doing things at work, giving them considerable opportunity for independence and freedom in how they do the work, allowing them to use their personal initiative or judgment in carrying out the work, and so forth.

The findings show a moderate level of organizational professional conflict and a moderate but negative relationship exists between organizational professional conflict and job satisfaction (r = -.452\*\*), which is consistent with Bamber and Iyer (2009).

Therefore, to increase the level of job satisfaction, the management team should try to decrease the level of existing organizational professional conflict. Organizational professional conflict can be reduced by giving accountants the opportunity to fully express themselves, letting them act according to their professional

judgment synchronizing with the work standards and procedures of the firm, and so forth

The findings show a moderate level of remuneration and a moderate and positive relationship exists between remuneration and job satisfaction (r = .409\*\*), which is consistent with Ting (1997), Robbins (2003) and Kebriael and Moteghedi (2009). To increase the level of job satisfaction, the management team should try to improve the level of current remuneration. Remuneration can be improved by providing the accountants with proper pay corresponding to their works, benefits package, job's vacation / leave policy, and so forth.

The findings show a moderate level of quality of work life and a moderate and positive relationship exists between quality of work life and job satisfaction (r = .563\*\*), which is consistent withBangtasos (2011), Lee et al. (2007), and Behar et al. (2004). Therefore, to increase the level of job satisfaction, the management team should try to improve the level of existing quality of work life. Quality of work life can be increased by providing the accountants with adequacy of facilities for their job, providing them with proper employment conditions, and so forth.

The findings show a moderate level of supervision and a strong and positive relationship between supervision and job satisfaction (*r* = .656\*\*), which is consistent with Smucker*et al.* (2003), Robbins (2003), and Ladebo (2008).

Therefore, to increase the level of job satisfaction, the management team

should try to improve the level of current supervision. Supervision can be improved by giving accountants positive feedback on their works, rewarding them when they do well, giving them personal attention when they feel rejected, among others.

## 5. Conclusion

The study has found that job stress, organizational professional conflict, organizational commitment, job autonomy, remuneration, quality of work life and supervision are crucial factors that affect job satisfaction of employees in the accounting firms. However, the impact will be low, moderate or strong based on the correlations found. The impact will be relatively low for job autonomy, moderate for job stress, organizational commitment, organizational professional conflict, remuneration and quality of work life but strong for supervision. The findings show that they are important factors that can increasethe level of employees' satisfaction in these accounting firms. The above suggestions and recommendations based on the findings are useful for these accounting firms to make their employees satisfied. Subsequently, they can help both reduce employees turnover intention and increase employees' performance as well as loyalty of accounting firms.

#### References

Allen, N.J., & Meyer, J.P. (1990). The measurement and antecedents of affective,

continuance and normative commitment to the organization. *Journal of occupational* 

Psychology, 63, 1-18.

Kotze, K. & Roodt, G. (2005). Factors that affect the retention of managerial and specialist

staff: An exploratory study of an employee commitment model. *South African Journal* 

of Human Resource Management, 3(2), 48-55.

Bamber, E. M., & Lyer, V., (2009). The effect of auditing firms' tone at the top on auditors'

job autonomy, organizational □ professional conflict, and job satisfaction. *International* 

Journal of Accounting & Information Management, (17)2,136 – 150.

Bamber, E. M., & Iyer, V. M. (2002). Big 5 auditors' professional and organizational

identification: Consistency or conflict? *Auditing: A Journal of Practice & Theory*, 21(2), 21-38

Brierly, J. A. (2013). The uses of product costs in decision making in British

manufacturing industry.

International Journal of Managerial and Financial Accounting,
5(3) 294-309.

Brierley, J. A. (1998). Accountants' organizational-professional conflict: A meta-analysis.

*The Journal of psychology, 132*(3), 291-300.

Cybinski, P., & Windsor, C. (2013). Remuneration committee independence and CEO remuneration for firm financial performance. *Accounting Research Journal*, 26(3), 197-

221.

Dillard, J.F., & Ferris, K. R. (1989). Individual behavior in professional accounting firms:

A review and synthesis. *Journal of Accounting Literature*, (8), 208-234. Dua, J. K. (1994). Job stressors and their effects on physical health, emotional health and job satisfaction in a university. *Journal of Educational Administration* 

Journal of Educational Administration, 32(1), 59 – 78.

Eskildsen, J. K., & Kristensen, K. (2004). Work motivation and job satisfaction in the Nordic countries. *Employee Relations*, (26)2,122 – 136.

Fairbrother, K., & Warn, J. (2002). Workplace dimensions, stress & job satisfaction.

Journal of Managerial Psychology, 18(1), 8-21.

Fisher, R. T. (2001). Role stress, the type A behavior pattern, and external auditor job

satisfaction and performance. *Behavioral Research in Accounting*, 13(1), 143-170.

Fogarty, T. J., & Kalbers, L. P. (2000). An empirical evaluation of the interpersonal and

organisational correlates of professionalism in internal auditing. *Accounting and* 

Business Research, 30(2), 125-136. Ho, Wen-Hsien, Chang, C. S., Shih, Ying-L., & Liang, Rong-D. (2009). Effects of job

rotation and role stress among nurses on job satisfaction and organizational commitment.

BMC Health Services Research, (9)8. Retrieved from

http://www.biomedcentral.com/1472-6963/9/8

Igbaria, M., & Guimaraes, T. (1993).
Antecedents and consequences of job satisfaction among information center employees. *Journal of management Information*Systems, 9, 145-174.

June, M. L. P. (2004). Effects of performance appraisal politics on job satisfaction and turnover intentionnull. *Personnel Review*, *33*(3), 322-334. doi:10.1108/00483480410528850

Kebriaei, A., & Moteghedi, M.S. (2009). Job satisfaction among community health workers in Zahedan District, Islamic Republic of Iran.

Koonmee, K., Singhapakdi, A., Virakul, B., & Lee, D. J. (2010). Ethics institutionalization,

quality of work life, and employee job-related outcomes: A survey of human resource

managers in Thailand. *Journal of Business Research*, 63(1), 20-26. Lee, D. J., Singhapakdi, A., & Sirgy, M. J. (2007). Further validation of a needbased quality-

of-work-life (QWL) measure: evidence from marketing practitioners. Applied Research in Quality of Life, 2(4), 273-287.

Lee Larson, L. (2004). Internal auditors and job stress. *Managerial Auditing Journal*, 19(9),

1119-1130.

Ladebo, O. J. (2008). Perceived supervisory support and organizational citizenship behaviors:

Is job satisfaction a mediator? *South African Journal of Psychology*, *38*(3), 479-488.

Masia, U. & Pienaar, J. (2010). Unravelling safety compliance in the mining industry:

examining the role of work stress, job insecurity, satisfaction and commitment as

antecedents. SA Journal of Industrial Psychology, 37(1) Retrieved from

http://www.scielo.org.za/scielo.php?pid= S2071-

<u>07632011000100018&script=sci\_arttex</u>

Mead, G., Campbell, J., & Milan, M. (1999). Mentor and Athene: Supervising professional

coaches and mentors. *Career Development International*, *4*(5), 283-290

Montgomery, D., Blodgett, J. G., & Barnes, J. H. (1996). A model of financial securities

salespersons job stress. *Journal of Services Marketing*, (10)3,21 – 38. Naderi A., N. (2012). Teachers: emotional intelligence, job satisfaction, and

organizational commitment. *Journal* of workplace Learning, 24(4), 256-269. Naeem, H., Sentosa, I., Nejatian, H., & Piaralal, K. S. (2011). Job satisfaction of civil

servants (an evidence from the Republic of Maldives). In International conference on

business and economic research. Noor, S. M., & Abdullah, M. A. (2012). Quality work life among factory workers in

Malaysia. *Procedia-Social and Behavioral Sciences*, *35*, 739-745. Nyombi, C. (2014). Corporate personality: the Achilles' heel of executive remuneration

policy. *International Journal of Law and Management, (56)*3, 184 – 196. Pasewark, W. R. & Viator, R. E. (2006). Sources of work □ family conflict in the accounting

profession. *Behavioral Research in Accounting*, (18)1,147-165.

Paul, P.S., & Maiti, J. (2005).

Development and test of a sociotechnical model for accident/injury occurrences in underground coal mines. *Journal of South African institute* 

of Mining and Metallurgy, 105(1),43-55.

Petrides, K. V., & Furnham, A. (2006). The role of trait emotional intelligence in a

gender □ specific model of organizational variables 1. Journal of Applied Social

Psychology, 36(2), 552-569.

Probst, T. M., & Brubaker, T. L. (2001). The effects of job insecurity on employee safety

outcomes: cross-sectional and longitudinal explorations. *Journal of occupational health* psychology, 6(2), 139.

Ratliff, R. L., Jenson, R. L., & Flagg, J. C. (1993). An Empirical comparison of internal and

external audit supervision.

Managerial Auditing Journal, 8(2).

Robbins, S. P. (2003). Organizational behavior. (10<sup>th</sup> ed.). San Diego: Prentice Hall

Roscoe, J. T. (1975). Fundamental research statistics for the behavioural sciences, (2<sup>nd</sup> ed.).

New York: Holt Rinehart & Winston.

Shafer, W. E. (2009). Ethical climate, organizational-professional conflict and organizational

commitment: A study of Chinese auditors. *Accounting, Auditing & Accountability Journal*, 22(7), 1087-1110.

Shafer, W. E., Park, L. J., & Liao, W. M. (2002). Professionalism,

organizational □ professional conflict and work outcomes: A study of certified

management accountants.

Accounting, Auditing & Accountability Journal, 15,(1), 46 –

68.

Smucker, M. K., Whisenant, W. A., & Pedersen, P. M. (2003). An investigation of job

satisfaction and female sports journalists. *Sex roles*, 49(7-8), 401-407. Spector, P. E. (1986). Perceived control by employees: A meta-analysis of studies concerning

autonomy and participation at work. *Human relations*, *39*(11), 1005-1016. Strandler, O., Johansson, T., Wisker, G., & Claesson, S. (2014). Supervisor or counsellor?–

Emotional boundary work in supervision. *International Journal for Researcher* 

*Development*, *5*(2), 70-82.

Summer, M. & ,Niederman F. (2004). The impact of gender difference on job satisfaction,

job turnover, and career experiences of information technology professionals, *Journal* 

of Computer Information Systems, 44(2), 29-28.

Ting, Y. (1997). Determinants of job satisfaction of federal government employees. *Public* 

personnel management, 26(3), 313-334.

Wei, T. F. (2009). Job satisfaction and turnover in the Chinese retail industrynull. *Chinese*Management Studies, 3(4), 356-378.

doi:10.1108/1750614091100750
3

Wickramasinghe, V. (2009). Predictors of job satisfaction among IT graduates in offshore

outsourced IT firms. *Personnel Review*, 38(4), 413 – 431. Zikmund, W. G. (2004). *Exploring marketing research*, (7th ed.). The Dryden Press

Harce College Publisher.