

Job Satisfaction: The Factors That Influence It and Its Impact on Turnover Intention

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Abstract

This study is conducted to examine two issues: First, to examine the work environment factors that influence job satisfaction among executive level employees in the public sector organizations in Malaysia; second, to examine the effect of job satisfaction on turnover intention. The data of this study have been collected through survey. The respondents are 212 executive level employees. The data have been analyzed using a structural equation modeling technique. In summary, there are five work environment factors that influence job satisfaction among executive level employees in this context. The factors include perceived organizational support, training, coworker support, participative leadership style and work stress. In addition, this study provides empirical evidence about the role of job satisfaction as a factor that can decrease turnover intention, especially among executive level employees in the public sector organizations in Malaysia.

Keywords

Job Satisfaction, Turnover Intention, Public Sector Organizations, Malaysia

1. Introduction

The statistic from the Ministry of Human Resource shows that the number of executive level employees has continuously increased every year. For example, in 2013, the number of executive level employees was 331,313. This figure has increased to 380,499 in 2014, and 501,953 in 2015 (*Employment and Labor Statistics, Ministry of Human Resource, Series 8, No. 2/2016*). The previous statistic indirectly highlights the willingness of employees in this sector to remain with their existing organization. One of the possible reasons is because they feel satisfied with their job (*Mohd Ramlan, Rugayah, & Zarul Zafuan, 2014*). Therefore, it is essential to examine the factors that influence job satisfaction among executive

level employees in this context.

This study focuses on the work environment factors that influence job satisfaction. Previous researcher such as Spector (1997) argues that the organization itself has a major role in the development of an employee's job satisfaction. The work environment factors include in this study were perceived organizational support, training, coworker support, participative leadership and work stress. These factors have been recognized as the work environment aspects that can influence the employees' level of job satisfaction in the organization. However, the effect of these factors on job satisfaction has been tested separately in different contexts. For example, the effect of perceived organizational support on job satisfaction was verified in the context of private nursing home in the United States (Al-Hussami, 2008). Similarly, the effect of participative leadership on job satisfaction was based on the employees of local government agencies in the United States (Kim, 2002). As a result, there is still limited understanding about the factors that influence job satisfaction in a particular context because the existing findings were based on samples from various industries.

This study is conducted to address the previous gap by simultaneously examine the effect of various work environment factors (perceived organizational support, training, coworker support, participative leadership, work stress) on job satisfaction in a particular context, the public sector in Malaysia. The findings of this study can produce a more adequate conclusion about the specific elements in the workplace that influence job satisfaction.

Another important issue related to job satisfaction is its consequences on employees. Job satisfaction has been recognized as an important work attitude that can resolve negative work behavior such as a turnover intention (Filipova, 2011; Jawahar & Hemmasi, 2006; Koster, Grip, & Fouarge, 2011). This study will further verify the relationship in the context of public sector organizations in Malaysia. It is due to the empirical evidence from previous studies which were based on the sample from health industry in the United States (Filipova, 2011) and Netherland (Koster, Grip, & Fouarge, 2011), and among female executive in the United States (Jawahar & Hemmasi, 2006). Conducting such replications ensures that the results are repeatable and not artificial to particular samples/or settings (Jawahar & Hemmasi, 2006).

2. Literature Review

2.1. Perceived Organizational Support and Job Satisfaction

Perceived organizational support is defined as the employees' general belief that their work organization values their contribution and cares about their well-being (Rhoades & Eisenberger, 2002). While job satisfaction is defined as "how people feel about their jobs and different aspects of their jobs" (Spector, 1997). The link between perceived organizational support and job satisfaction has been verified by previous studies. For example, a meta-analysis study has found a strong and positive effect of perceived organizational support on job satisfaction (Riggle,

Edmondson, & Hansen, 2009). In fact, a study conducted at the private nursing homes in the United States reveals that perceived organizational support is the strongest predictors for job satisfaction (Al-Hussami, 2008). One possible reason is due to the recognition and attention given by the organization can be perceived as a positive treatment by the organization to employees, which can produce positive feelings toward the job and organization. Based on this basis, the following hypothesis is proposed:

Hypothesis 1: Perceived organizational support is positively related to job satisfaction.

2.2. Participative Leadership and Job Satisfaction

Researchers have claimed that an employee job satisfaction depends upon the leadership style of managers (Mohammad Mosadegh Rad & Hossein Yarmohammadian, 2006). This argument has received support from previous studies that conducted at the private nursing homes in the United States. The study reveals that the leadership in organization accounted for an estimate 80 percent of the variance of job satisfaction (Al-Hussami, 2008).

A participative leadership was an example of leadership style that can influence employee job satisfaction in the organization. Participative leadership style is a managerial style that invites input from employees on all company decisions. A study among employees of private hospital in Iran reveals that participative leadership is significantly related to job satisfaction (Mohammad Mosadegh Rad & Hossein Yarmohammadian, 2006). Similarly, Kim (2002) also in his study among employees of local government agencies in the United States reveals the participative leadership that incorporates effective supervisory communications can enhance employees' job satisfaction. Based on previous findings, the following hypothesis is proposed:

Hypothesis 2: Participative leadership style is positively related to job satisfaction

2.3. Coworker Support and Job Satisfaction

Coworker refers to individuals who work in the same organization. The support from coworkers is very meaningful because it can produce a positive attitude among employees such as satisfaction toward the job. According to Harris, Winskowski and Engdahl (2007), the social support (e.g., collegial support) in the organization accounted for approximately 17 percent of the variance in job satisfaction. This finding has received support from other empirical studies that have been conducted among restaurant employees (Babin & Boles, 1996) and 2505 full time workers (Ducharme & Martin, 2000) in the United States that suggests the coworker involvement can increase job satisfaction. In addition, a meta analysis study also has found that perceived coworker support was related to job satisfaction (Ng & Sorensen, 2008). Therefore, the following hypothesis is proposed:

Hypothesis 3: Coworker support is positively related to job satisfaction.

2.4. Training and Job Satisfaction

Training refers to a planned and systematic effort to provide and enhance employees' knowledge, skills and attitudes related to their job, through learning experiences with a view to working more efficiently (Blanchard & Thacker, 2010). Recent empirical studies conducted among employees from various service organizations (e.g., casino showed that training was positively related to job satisfaction (Back et al., 2011; Lee et al., 2006). There are a number of reasons why training has a positive impact on job satisfaction. First, training can make employees more qualified and job proficient (Li et al., 2008). Second, training can enhance an employee's ability to adjust successfully to organizational change (Traut et al., 2000). Third, training can deliver a strong message to employees that the organization is concerned about their needs and development, which ultimately creates a positive effect on job satisfaction (Kim et al., 2009). Based on the previous discussion, the following hypothesis is proposed:

Hypothesis 4: Training is positively related to job satisfaction.

2.5. Work Stress and Job Satisfaction

Work stress refers to a situation in the workplace that will force a person to deviate from normal functioning due to the change (i.e. disrupt or enhance) in his/her psychological and/or physiological condition, such that the person is forced to deviate from normal functioning (Beehr & Newman, 1978; Ahsan, Abdullah, Fie, & Alam, 2009). Work stress can affect the employees work attitude and behavior in the workplace. Terry, Nielsen and Perchard (1993) in their study among employees of a large public sector organization in Australia reveals that work stress emerged as significant predictor of job satisfaction. In specific, Ahsan, Abdullah, Fie and Alam (2009) in their study among academic staff in the Malaysian public university has found that there is a significant and negative relationship between work stress and job satisfaction. Similarly, Klassen and Chiu (2010) in their study among 1430 practicing teachers in the United States shows that teachers with greater work stress had lower job satisfaction. Based on previous evidence, the following hypothesis is proposed:

Hypothesis 5: Work stress is negatively related to job satisfaction.

2.6. Job Satisfaction and Turnover Intention

Turnover intention refers to employees plan to leave their positions. There are many factors that can produce turnover intention among the employees such as lower job satisfaction. This argument has received support from previous studies. Most of the studies show a consensus that job satisfaction is negatively related to turnover intention (Lixcel & Lantican, 2021; Filipova, 2011; Jawahar & Hemmasi, 2006; Koster, Grip, & Fouarge, 2011). In other word, employees with greater job satisfaction had lower turnover intention. Thus, the following hypo-

thesis is proposed:

Hypothesis 6: Job satisfaction is negatively related to turnover intention.

Based on the proposed hypotheses, below is the conceptual framework (see **Figure 1**) for this study.

3. Methodology

3.1. Sample

This study was conducted in a public sector organization in Malaysia. 212 executive level employees have participated in this study. 51.4 percent (N = 109) of them are female, while 48.6 percent (N = 103) of them are male. In term of age, 23.6 percent (N = 50) of them are between 20 - 30 years old, 46.2 percent (N = 98) of them are between 31 - 40 years old, 19.8 percent (N = 42) of them are between 41 - 50 years old, and 10.4 percent (N = 22) of them are 51 years old and above. In term of working experience, 44.3 percent (N = 94) of them have work in public sector for more than 10 years. 26.4 percent (N = 56) of them have work experience between 6 to 10 years. While 29.3 percent of them (N = 62) of them have work in public sector less than 5 years. The data were collected through questionnaires.

3.2. Measure

This study used previously published measure as details in **Table 1**.

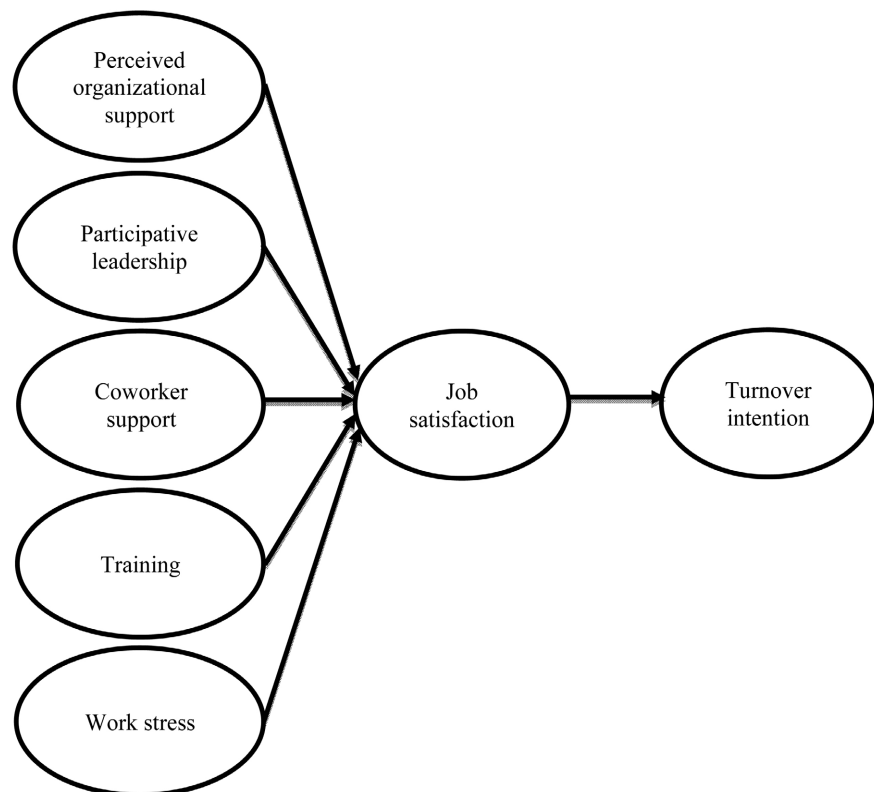


Figure 1. The conceptual framework.

Table 1. Measures for this study.

No.	Variable	Sources	Number of Item	Sample Item
1.	Turnover intention	Netemeyer, Boles and McMurrian (1996); Brashear, Lepkowska-White and Chelariu (2003)	3	I have searched for a new job
2.	Training	Netemeyer, Boles and McMurrian (1996); Brashear, Lepkowska-White and Chelariu (2003)	3	There is a commitment to ongoing training for the staff
3.	Perceived organizational support	Paille, Grima and Dufour (2015)	3	My organization appreciates my contribution
4.	Work stress	Boreham, Povey and Tomaszewski (2016)	3	The demands of my job leave me feeling stressed
5.	Coworker support	Hammer and colleagues (2004)	5	I receive help and support from my coworkers
6.	Participative leadership	Miao, Newman, Schwarz and Xu (2013)	6	My supervisor encourages work group members to express ideas/suggestions
7.	Job satisfaction	Paille, Grima and Dufour (2015)	3	Generally speaking, I am very satisfied with this organization

Turnover intention was measured using the 3 items from [Netemeyer, Boles and McMurrian \(1996\)](#) and [Brashear, Lepkowska-White and Chelariu \(2003\)](#). An example of the items is “I have searched for a new job”. The measure was validated in a study by [Hur, Rhee and Ahn \(2016\)](#).

Training was measured using the 3 items from [Langford \(2009\)](#). An example of the items is “There is a commitment to ongoing training for the staff”. The measure was validated in a study by [Presbitero, Roxas and Chadee \(2016\)](#).

Perceived organizational support was measured using the 3 items from [Paille, Grima and Dufour \(2015\)](#). An example of the items is “My organization appreciates my contribution”. The measure was validated in a study by [Paille, Grima and Dufour \(2015\)](#).

Work stress was measured using the 3 items from [Boreham, Povey and Tomaszewski \(2016\)](#). An example of the items is “The demands of my job leave me feeling stressed”. The measure was validated in a study by [Boreham and colleagues \(2016\)](#).

Coworker support was measured using the 5 items from [Hammer and colleagues \(2004\)](#). An example of the items is “I receive help and support from my

coworkers". The measure was validated in a study by Karatepe (2012).

Participative leadership style was measured using the 6 items from Miao, Newman, Schwarz and Xu (2013). An example of the items is "My supervisor encourages work group members to express ideas/suggestions". The measure was validated in a study by Miao and colleagues (2013).

Job satisfaction was measured using the 3 items from Paille, Grima and Dufour (2015). An example of the items is "Generally speaking, I am very satisfied with this organization". The measure was validated in a study by Paille, Grima and Dufour (2015).

4. Data Analysis Result

The data of this study have been analyzed through structural equation modeling technique. As recommended by Anderson and Gerbing (1988), this study estimated a measurement model using a confirmatory factor analysis (CFA) prior to examining the structural model relationships.

The measurement model (see Table 2) that included all items showed a good fit. For example, the value of chi-square (χ^2)/degrees of freedom (df) is 2.003. According to previous researchers (e.g., Hair, Black, Babin, & Anderson, 2010; Tabachnick & Fidell 2007; Williams, Vandenberg, & Edwards, 2009), the score of χ^2/df between 2 and 5 can justify the good fit of a particular model. The comparative fit index (CFI) also showed acceptable value, which is 0.932. In addition, the value of the standardized root mean residual (SRMR) achieves acceptable value (0.0705), which is below 0.10. According to Hair et al. (2010) and Williams et al. (2009), SRMR value less than 0.10 is considered a good model.

In addition, all indicators loaded strongly and significantly on their respective factors, and the standardized loadings ranged from 0.668 to 0.944. The result of the average variance extracted (AVE) for each variable has also exceeded 50 percent, indicating the convergent validity (Anderson & Gerbing, 1988; Hair et al., 2010). Moreover, the square roots of AVE estimates are greater than the corresponding interconstruct correlation estimates, indicating discriminant validity (Hair et al., 2010).

After estimating the measurement model with a confirmatory factor analysis, the second stage of analysis involved estimating the proposed relationships. All the fit indices suggest a reasonable fit between the model and the data.

The results indicate that perceived organizational support (coefficient = +0.477, critical ratio = 5.880, $p < 0.001$), participative leadership (coefficient =

Table 2. Good fit of measurement model.

No.	Good Fit Indicator	Value
1.	chi-square (χ^2)/degrees of freedom (<i>df</i>)	2.003
2.	comparative fit index (CFI)	0.932
3.	standardized root mean residual (SRMR)	0.0705

+0.145, critical ratio = 2.233, $p < 0.05$), training (coefficient = +0.309, critical ratio = 3.959, $p < 0.001$) and coworker support (coefficient = +0.118, critical ratio = 2.283, $p < 0.05$) show a significant and positive effect on job satisfaction. However, work stress (coefficient = -0.096, critical ratio = 1.961, $p < 0.05$) shows the significant but a negative effect on job satisfaction. Finally, the analysis shows that job satisfaction has a significant, but a negative effect on turnover intention (coefficient = -0.364, critical ratio = 4.834, $p < 0.001$).

In summary, the previous results support all hypotheses of this study. A discussion of the findings is presented in the following section.

5. Conclusion

This study is conducted to examine two issues related to job satisfaction in the context of public sector organizations in Malaysia: First, to identify the factors that influence job satisfaction, specifically, to examine the effect of perceived organizational support, participative leadership style, training, coworker support, and work stress on job satisfaction; second, to examine the effect of job satisfaction on turnover intention. These two issues have been tested using survey data among 212 public sector employees in Malaysia.

The results of data analysis show that there are five work environment factors that influence employee job satisfaction in the context of public sector in Malaysia. The factors include perceived organizational support, participative leadership style, training, coworker support, and work stress. Although the effect of these factors on job satisfaction has been verified by previous studies, the findings of this study are unique because the findings are based on the data from public sector organizations, which is different with previous studies that based on data from private sector employees in the Western countries (i.e., United States) (Al-Hussami, 2008; Kim, 2002; Babin & Boles, 1996; Klassen & Chiu, 2010).

In regard to the second issue, this study predicted that job satisfaction would have a negative impact on turnover intention. The results of the analysis indicate that a significant and negative relationship exists between job satisfaction and turnover intention. This provides support for the final hypothesis of this study implying that when employees show satisfaction toward their job, it subsequently decreases intention to leave their job. The finding presented here extends the research by previous studies who found the negative link between job satisfaction and turnover intention in the context of Western country such as the United States (Filipova, 2011; Jawahar & Hemmasi, 2006) and Netherland (Koster, Grip, & Fouarge, 2011).

This study has a number of limitations. First, this study applies a quantitative research design where the data were collected through a questionnaire survey. Future studies should consider collecting deeper qualitative data from their respondents. The use of both qualitative and quantitative methods would provide an opportunity for more in-depth and richer explanations of why employees with their job.

Second, there are also limitations that need to be placed on the generalizability of this study beyond the current organization where it was conducted. The data for this study were collected from public sector organizations in Malaysia. Clearly, replication is necessary to test the relationships reported here.

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Conflicts of Interest

The authors declare no conflicts of interest regarding the publication of this paper.

References

- Ahsan, N., Abdullah, Z., Fie, D., & Alam, S. (2009). A Study of Job Stress on Job Satisfaction among University Staff in Malaysia: Empirical Study. *European Journal of Social Science*, 8, 121-131.
- Al-Hussami, M. (2008). A Study of Nurses' Job Satisfaction: The Relationship to Organizational Commitment, Perceived Organizational Support, Transactional Leadership, Transformational Leadership, and Level of Education. *European Journal of Scientific Research*, 22, 286-295.
- Anderson, J. C., & Gerbing, D. W. (1988). Structural Equation Modeling in Practice: A Review and Recommended Two-Step Approach. *Psychological Bulletin*, 103, 411-423. <https://doi.org/10.1037/0033-2909.103.3.411>
- Babin, B. J., & Boles, J. S. (1996). The Effects of Perceived Co-Worker Involvement and Supervisor Support on Service Provider Role Stress, Performance and Job Satisfaction. *Journal of Retailing*, 72, 57-75. [https://doi.org/10.1016/S0022-4359\(96\)90005-6](https://doi.org/10.1016/S0022-4359(96)90005-6)
- Back, K.-J., Lee, C.-K., & Abbott, J. (2011). Internal Relationship Marketing: Korean Casino Employees' Job Satisfaction and Organizational Commitment. *Journal of Cornell Hospitality Quarterly*, 52, 111-124. <https://doi.org/10.1177/1938965510370742>
- Beehr, T. A., & Newman, J. E. (1978). Job Stress, Employee Health and Organizational Effectiveness: A Facet Analysis, Model and Literature Review. *Personnel Psychology*, 31, 665-669. <https://doi.org/10.1111/j.1744-6570.1978.tb02118.x>
- Blanchard, P. N., & Thacker, J. W. (2010). *Effective Training: Systems, Strategies, and Practices* (4th ed.). Prentice Hall.
- Boreham, P., Povey, J., & Tomaszewski, W. (2016). Work and Social Well-Being: The Impact of Employment Conditions on Quality of Life. *International Journal of Human Resource Management*, 27, 593-611. <https://doi.org/10.1177/0730888400027002005>
- Brashear, T. G., Lepkowska-White, E., & Chelariu, C. (2003). An Empirical Test of Antecedents and Consequences of Salesperson Job Satisfaction among Polish Retail Sales People. *Journal of Business Research*, 56, 971-978. [https://doi.org/10.1016/S0148-2963\(01\)00333-2](https://doi.org/10.1016/S0148-2963(01)00333-2)
- Ducharme, L. J., & Martin, J. K. (2000). Unrewarding Work, Coworker Support and Job Satisfaction: A Test of the Buffering Hypothesis. *Work and Occupations*, 27, 223-243. <https://doi.org/10.1177/0730888400027002005>
- Employment and Labor Statistics, Ministry of Human Resource, Series 8, No. 2/2016.*

<https://www.ilo.org/global/lang--en/index.htm>

- Filipova, A. A. (2011). Relationships among Ethical Climates, Perceived Organizational Support, and Intent-to-Leave for Licensed Nurses in Skilled Nursing Facilities. *Journal of Applied Gerontology, 30*, 44-66. <https://doi.org/10.1177/0733464809356546>
- Hair, J. F., Black, W. C., Babin, B. J., & Anderson, R. E. (2010). *Multivariate Data Analysis: A Global Perspective* (7th ed.). Pearson.
- Hammer, T. H., Saksvik, P. O., Nytro, K., Torvatn, H., & Bayazit, M. (2004). Expanding the Psychological Work Environment: Workplace Norms and Work-Family Conflict as Correlates of Stress and Health. *Journal of Occupational Health Psychology, 9*, 83-97. <https://doi.org/10.1037/1076-8998.9.1.83>
- Harris, J. I., Winskowski, A. M., & Engdahl, B. E. (2007). Types of Workplace Social Support in the Prediction of Job Satisfaction. *The Career Development Quarterly, 56*, 150-156. <https://doi.org/10.1002/j.2161-0045.2007.tb00027.x>
- Hur, W., Rhee, S., & Ahn, K. (2016). Positive Psychological Capital and Emotional Labor in Korea: The Job Demands-Resources Approach. *International Journal of Human Resource Management, 27*, 477-500. <https://doi.org/10.1080/09585192.2015.1020445>
- Jawahar, I. M., & Hemmasi, P. (2006). Perceived Organizational Support for Women's Advancement and Turnover Intentions. *Journal of Women in Management Review, 21*, 643-661. <https://doi.org/10.1108/09649420610712036>
- Karatepe, O. M. (2012). The Effects of Coworker and Perceived Organizational Support on Hotel Employee Outcomes: The Moderating Role of Job Embeddedness. *Journal of Hospitality & Tourism Research, 36*, 495-516. <https://doi.org/10.1177/1096348011413592>
- Kim, H. J., Tavitiyaman, P., & Kim, W. G. (2009). The Effect of Management Commitment to Service on Employee Service Behaviors: The Mediating Role of Job Satisfaction. *Journal of Hospitality & Tourism Research, 33*, 369-390. <https://doi.org/10.1177/1096348009338530>
- Kim, S. (2002). Participative Management and Job Satisfaction: Lessons for Management leadership. *Journal of Public Administration Review, 62*, 231-241. <https://doi.org/10.1111/0033-3352.00173>
- Klassen, R. M., & Chiu, M. M. (2010). Effects of Teachers' Self-Efficacy and Job Satisfaction: Teacher Gender, Years of Experience and Job Stress. *Journal of Educational Psychology, 102*, 741-756. <https://doi.org/10.1037/a0019237>
- Koster, F., Grip, A., & Fouarge, D. (2011). Does Perceived Support in Employee Development Affect Personnel Turnover? *International Journal of Human Resource Management, 22*, 2403-2418. <https://doi.org/10.1080/09585192.2011.584404>
- Langford, P. H. (2009). Measuring Organizational Climate and Employee Engagement: Evidence for a 7 Ps Model of Work Practices and Outcomes. *Australian Journal of Psychology, 61*, 185-198. <https://doi.org/10.1080/00049530802579481>
- Lee, Y.-K., Nam, J.-H., Park, D.-H., & Ah Lee, K. A. (2006). What Factors Influence Customer-Oriented Prosocial Behavior of Customer-Contact Employees? *Journal of Services Marketing, 20*, 251-264. <https://doi.org/10.1108/08876040610674599>
- Li, J.-M., Yang, J.-S., & Wu, H.-H. (2008). Improving Service Quality and Organisation Performance through Human Resource Practices: A Case Study. *Journal of Total Quality Management, 19*, 969-985. <https://doi.org/10.1080/14783360802227787>
- Lixel, Q., & Lantican, M. (2021). Modeling Workload, Job Satisfaction, Work Stress and Organizational Commitment on Turnover Intention: Evidence from Hospitality Management Educators. *Journal of Human Resource and Sustainability Studies, 9*, 439-450.

- <https://doi.org/10.4236/jhrss.2021.93028>
- Miao, Q., Newman, A., Schwarz, G., & Xu, L. (2013). Participative Leadership and the Organizational Commitment of Civil Servants in China: The Mediating Effects of Trust in Supervisor. *British Journal of Management*, 24, s76-s92. <https://doi.org/10.1111/1467-8551.12025>
- Mohammad Mosadegh Rad, A., & Hossein Yarmohammadian, M. (2006). A Study of Relationship between Managers' Leadership Style and Employees' Job Satisfaction. *Leadership in Health Services*, 19, 11-28. <https://doi.org/10.1108/13660750610665008>
- Mohd Ramlan, M. A., Rugayah, H., & Zarul Zafuan, M. D. (2014). Job Satisfaction at Workplace: A Case of Doctors in Government Hospital, Kuala Lumpur, Malaysia. *Journal of Administrative Science*, 11, 1-12.
- Netemeyer, R. G., Boles, J. S., & McMurrian, R. (1996). Development and Validation of Workfamily Conflict and Family-Work Conflict Scales. *Journal of Applied Psychology*, 81, 400-410. <https://doi.org/10.1037/0021-9010.81.4.400>
- Ng, T. W. H., & Sorensen, K. L. (2008). Toward a Further Understanding of the Relationships between Perceptions of Support and Work Attitudes: A Meta-Analysis. *Group & Organization Management*, 33, 243-268. <https://doi.org/10.1177/1059601107313307>
- Paille, P., Grima, F., & Dufour, M. (2015). Contribution to Social Exchange in Public Organizations: Examining how Support, Trust, Satisfaction, Commitment and Work Outcomes Are Related. *International Journal of Human Resource Management*, 26, 520-546. <https://doi.org/10.1080/09585192.2012.654809>
- Presbitero, A., Roxas, B., & Chadee, D. (2016). Looking beyond HRM Practices in Enhancing Employee Retention in BPOs: Focus on Employee-Organization Value Fit. *International Journal of Human Resource Management*, 27, 635-652. <https://doi.org/10.1080/09585192.2015.1035306>
- Rhoades, L., & Eisenberger, R. (2002). Perceived Organizational Support: A Review of the Literature. *Journal of Applied Psychology*, 87, 698-714. <https://doi.org/10.1037/0021-9010.87.4.698>
- Riggle, R. J., Edmondson, D. R., & Hansen, J. D. (2009). A Meta-Analysis of the Relationship between Perceived Organizational Support and Job Outcomes: 20 Years of Research. *Journal of Business Research*, 62, 1027-1030. <https://doi.org/10.1016/j.jbusres.2008.05.003>
- Spector, P. (1997). *Job Satisfaction: Application, Assessment, Causes and Consequences*. Sage. <https://doi.org/10.4135/9781452231549>
- Tabachnick, B. G., & Fidell, L. S. (2007). *Using Multivariate Statistics* (5th ed.). Pearson.
- Terry, D. J., Nielsen, M., & Perchard, L. (1993). Effects of Work Stress on Psychological Well-Being and Job Satisfaction: The Stress-Buffering Role of Social Support. *Australian Journal of Psychology*, 45, 168-175. <https://doi.org/10.1080/00049539308259135>
- Traut, C. A., Larsen, R., & Feimer, S. H. (2000). Hanging on or Fading out? Job Satisfaction and the Long-Term Worker. *Journal of Public Personnel Management*, 29, 343-351. <https://doi.org/10.1177/009102600002900304>
- Williams, L. J., Vandenberg, R. J., & Edwards, J. R. (2009). Structural Equation Modeling in Management Research: A Guide for Improved Analysis. *The Academy of Management Annals*, 3, 543-604. <https://doi.org/10.5465/19416520903065683>