

RELATIONSHIP BETWEEN JOB DEMAND AND JOB RESOURCES ON EMPLOYEES' WORK ENGAGEMENT IN HVAC INDUSTRY IN MALAYSIA

A thesis submitted to the College of Business
in partial fulfilment of the requirements for the degree
Master of Human Resource Management
University Utara Malaysia

BY
RASHIFAH BINTI KAMARUDDIN
809162

i DECLARATION

I declare that the substance of this project paper has never been submitted for any degree or post graduate program and qualifications.

I certify that all the supports and assistance received in preparing this project paper and all the sources abstracted have been acknowledged in this stated project paper.

RASHIFAH BINTI KAMARUDDIN 809162

College of Business Universiti Utara Malaysia 06010 Sintok Kedah Darul Aman Malaysia

PERMISSION TO USE

In presenting this thesis as partial fulfilment of the requirements for a postgraduate degree from the Universiti Utara Malaysia, I hereby agree that the Universiti Utara Malaysia may make it freely available for inspection. I further agree that permission for copying of thesis in any manner, in whole or in part, for scholarly proposes may be granted by my supervisor, or in their absence, by the Dean of Othman Yeop Abdullah, Graduate School of Business. It is understood that any copying or publication or use of this thesis or parts thereof for financial gain shall not be allowed without my written permission. It is also understood that due recognition shall be given to me and to Universiti Utara Malaysia for any scholarly use which may be made of any material from my project paper.

Request of permission to copy or to make other use of material in this thesis, in whole or in part should be addressed to:

Dean of Othman Yeop Abdullah
Graduate School of Business
Universiti Utara Malaysia
06010 Sintok
Kedah Darul Aman
Malaysia

ABSTRAK

Penglibatan pekerja telah menjadi satu isu perdebatan dalam iklim ekonomi semasa, terutama apabila syarikat-syarikat kehilangan bakat yang kritikal di zaman apabila mereka perlu untuk mengekalkan modal pengetahuan mereka jika mereka ingin kekal berdaya saing semasa kelembapan ekonomi. Kajian ini telah dijalankan untuk mencapai dua objektif: a) untuk mengkaji hubungan antara Tuntutan Pererjaan (beban kerja dan tekanan kerja) dengan penglibatan kerja dan b) untuk mengenal pasti hubungan antara Sumber Pekerjaan (maklum balas prestasi, sokongan daripada rakan-rakan sekerja dan bimbingan penyelia) dengan penglibatan kerja. Oleh itu, kajian ini telah dijalankan di kalangan 135 kakitangan Industri HVAC di Malaysia. Data dikumpulkan melalui soal selidik dan dianalisis dengan menggunakan Pakej Statistik untuk Sains Sosial (SPSS) versi 19. Hasil keputusan dari Korelasi Pearson menunjukkan bahawa hanya Sumber Pekerjaan yang mempunyai hubungan bermakna dengan penglibatan kerja dimana p <0.01. Bagaimanapun, Tuntutan Pekerjaan mempunyai hubungan yang negatif dengan penglibatan kerja tetapi ia adalah tidak bermakna kerana p>0.05. Regresi juga menunjukkan bahawa 76.8% daripada perbezaan persepsi penglibatan kerja telah dijelaskan oleh maklum balas prestasi, sokongan dari rakan-rakan sekerja dan bimbingan penyeliaan. Oleh itu, adalah penting bagi organisasi untuk memberi tumpuan yang lebih dalam memberi penekanan kepada peranan penting yang dimainkan oleh sumber pekerjaan terhadap peningkatan penglibatan pekerja dalam Industri HVAC di Malaysia.

ABSTRACT

Employee engagement has become a contentious issue in the current economic climate, especially when companies lose critical talent in times when they most need to retain their knowledge capital if they are to remain competitive during an economic downturn. The present study was conducted to achieve two objectives: a) to examine the relationship between Job Demand (work load and work pressure) and work engagement; and b) to identify the relationship between Job Resources (performance feedback, support from colleagues and supervisory coaching) and work engagement. Therefore, the survey was conducted among 135 exempt staff of HVAC Industry in Malaysia. Data were gathered through questionnaires and was being analyzed by using Statistical Package for Social Science (SPSS) version 19. Furthermore, the result form the Pearson Correlation Coefficient shows that only Job Resources has a signification relationship with work engagement. which p<0.01. Anyway, job demands has negative relationship with work engagement but it is not significant since the p>0.05. Linear regression also shows that 76.8% of the variance of the perception of work engagement was explained by performance feedback, support from colleagues and supervisory coaching. Thus, it is crucial for the organization to put a great emphasize on the significant roles played by job resources to increased employees engagement in HVAC Industry in Malaysia.

 \mathbf{v}

ACKNOWLEDGEMENTS



I begin in the name of Allah, the most Gracious and the most Merciful.

Praise to Allah S.W.T for giving me with great health, strength and emotional stability during having the hardships in completing this project paper. I would like to take this opportunity to extend my utmost gratitude and sincere appreciations to the following peoples that had made this day realization. My deepest gratitude and appreciation to my supervisor Dr Mohd Faizal bin Mohd Isa for his endless effort, dedication, patience and guidance in helping me to complete this project paper.

I am deeply and with all of my heart want to extend my thankfulness to all my beloved family especially my husband En Azrin Ahmad, my mother Puan Hajah Khamsiah Ahmad, my father Tuan Haji Kamaruddin Ibrahim and all my children – Eireena Natasha, Eiman Mikhael, Eilhan Mikhael and Eimeir Putra Mikhael who continuously pray for my success, understanding and consistently giving me full support and encouragement. I love you all so much.

Not forgetting to all dearest lecturers who have shared their knowledge throughout of my master study in UUM. I am sure that I could not have arrived at this stage without them.

Also thank you to all of you who I have not mentioned here but have contributed directly or indirectly to the completion of this project paper. Your good deeds will never be forgotten.

vi

TABLE OF CONTENTS

DECLARATION PERMISSION TO USE ABSTRAK								
				ABS'	ABSTRACT ` ACKNOWLEDGEMENT			
				ACK				
TABLE OF CONTENTS								
LIST OF TABLES								
LIST OF TABLES LIST OF FIGURE								
СНА	APTER 1: INTRODUCTION							
1.0	Introduction	1						
1.1	Problem Statement.	6						
1.2	Research Framework							
	1.2.1 Dependent Variable	12 12						
1.3	1.2.2 Independent Variable							
1.4	Research Objective							
1.5	Significance of the study							
1.6	Organization of the chapters	15						
СНА	APTER 2 : LITERATURE REVIEW							
2.0	Introduction	16						
2.1	Definition of Employee Work Engagement	16						
2.2	Job Demand and Resources Model	20						
2.3	Past Studies related to Employee Work Engagement	21						
2.4	Drivers of Employee Work Engagement.	23						
	2.4.1 Job Demand							
	2.4.1.1 Work Pressure							
	2.4.1.2 Work Overload							
	Hypothesis 1	28 28						
	2.4.2.1 Performance Feedback	31						
	2.4.2.2 Supervisory Coaching							
	=- :: ~ #F*:							

		\mathcal{E}	39
2.5	C1-	71	40
2.5	Conci	usion	40
CILAI	DWED 4		
		3: RESEARCH METHODOLOGY	4.1
3.0		uction	
3.1	Research Design.		
3.2	_	ation and Sampling Design	
	3.2.1	Population	43
	3.2.2	Sampling Size	44
	3.2.3	Sampling Technique	45
3.3	Design	n of Questionnaire	47
3.4	Pilot 7	Testing	52
3.5	Reliab	ility Test	54
3.6	Data C	Collection Procedures	55
3.7	Source	es of Data	56
	3.7.1	Primary Data	56
	3.7.2	Secondary Data	57
3.8	Data Analysis		
	3.8.1	Descriptive Statistic	58
	3.8.2	Correlation Analysis	58
	3.8.3	Regressions	59
3.9	Concl	usion	60
CHA	PTER 4	: FINDING AND DISCUSSION	
4.0	Introd	uction	61
4.1	Respo	nse Rate	61
4.2	Data S	Screening	62
4.3		Test	62
4.4	Reliability Analysis		
	4.4.1	The reliability Analysis for Work Engagement	65
	4.4.2	The reliability Analysis for Job Demands – Workload and	
		Work Pressures	. 66

			95-109
APPE	NDIX	A: QUESTIONNAIRE	89-95
REFE	ERENC	ES	84-88
5.4	5.3.1 5.3.2 5.3.3 5.3.4 Concl	Time Constraint Information and Data Cost Lack of Experience usions	81 81 82
5.3		ems and Limitations.	81
5.2 Re	esearch	Implications	80
5.1	Recor	mmendations for Future Research	79
5.0	Introd	luction	79
CHA	PTER 5	5: RECOMMENDATION AND CONCLUSION	
4.9	Concl	usion	78
4.8	Sumn	nary of Hypothesis Testing	77
	4.7.1	Relationship between Job Resources with Work Engagement	75
4.7	Regre	ssion Analysis	75
		Work Engagement	73
		Back, Supervisory Coaching, Support from Colleagues and	
		4.6.1.2 Relationship between Job Demands i.e. Performance Feed-	
		Pressures and Work Engagement	
	1.0.1	4.6.1.1 Relationship between Job Demands i.e. Workload and Wor	
4.0	4.6.1	Pearson Correlation.	70
4.6		ntial Analysis	70
	4.5.1 4.5.2	Respondents' Profile	67 69
4.5		iptive Analysis	67
4.5	Б	Feedback, Supervisory Coaching and Support from Colleagues	
	4.4.3	The reliability Analysis for Job Resources – Performance	

	LIST OF TABLES	PAGE
Table 3.1:	The Questionnaire Items for Work Engagement	49
Table 3.2:	The Questionnaire Items for Job Demands	50
Table 3.3:	The Questionnaire Items for Job Resources	51
Table 3.4:	Seven-Point Likert Scale	53
Table 3.5:	Table of Cronbach's Alpha to Determine the Internal Consistency	
	of the Data	55
Table 3.6:	Strength and direction of the coefficient of correlation	59
Table 4.1:	Reliability Analysis for Pilot test on Employee Engagement,	
	Work load, work pressure, performance feedback, supervisory	
	coaching and support from colleagues	63
Table 4.2:	The Cronbach's Alpha for Employee Engagement, Work Load,	
	Work Pressures, Performance Feedback , Supervisory Coaching	
	And Support from Colleagues	65
Table 4.4:	Respondents Profile	69
Table 4.5:	The results of Pearson Correlation Analysis for the Relationship	
	between Work Engagement and Job Demands	72
Table 4.6:	The results of Pearson Correlation Analysis for the Relationship	
	between Work Engagement and Job Resources.	73
Table 4.7:	Regression Analysis.	75
Table 4.8:	Relationship Between Job Resources and Work Engagement	76
Table 4.9:	Summary of Hypothesis Testing	78

LIST OF FIGURE		PAGE
Figure 1.1:	Research Framework	11

CHAPTER 1

INTRODUCTION

1.0 INTRODUCTION

The road to recovery from the global recession is proving to be long, winding, and rocky. While some indicators are showing slow signs of improvement, the outlook for 2012 remains uncertain with forecasts for slow growth. The global recession has taken its toll on employees as pay freezes, benefit cuts, and layoffs permeate the workforce, making it more difficult to maintain high levels of engagement. Against this backdrop, it is more important than ever for employers to develop and maintain a highly engaged workforce (AON Hewitt -2012 Trends in Global Employee Engagement). The dramatic effect of the global economy over the past 20 years have had significant implications for commitment and trust between employers and employees and indirectly to the employee engagement. For instance, increasing of global competition, scarce and costly resources, high labour costs, consumer's demands for higher quality and cheaper price and further more the investor pressures for greater returns on equity have prompted organizations to restructure themselves. At some companies, restructuring has meant reductions in staff and in layers of management (Robert, 2006). Human resource impacts to the economic also include changes in employment (including skill retention), employability, earnings, family income and other indicators of human economic well-being.

The behaviours of engaged employees demonstrate lead to positive outcomes in key business drivers like customer satisfaction, increased sales, and other positive extra-role behaviours. Indeed, Aon Hewitt's research 2012 has repeatedly shown that highly engaged

The contents of the thesis is for internal user only

REFERENCES

- AON Hewitt -2012 Trends in Global Employee Engagement
- Bakker, A.B. (2010). Engagement and job crafting: Engaged employees create their own great place to work. In S. Albrecht (Ed.), Handbook on employee engagement (pp. 229–244).
- Bakker, A.B., & Bal, P.M. (2010). Weekly work engagement and performance: A study among starting teachers. Journal of Occupational and Organisational Psychology, 83, 189–206. doi:10.1348/096317909X402596
- Bakker, A.B. and Demerouti, E. (2007), "The job demands-resources model: state of the art", Journal of Managerial Psychology, Vol. 22, pp. 309-28.
- Bakker, A.B. and Schaufeli, W.B. (2008), "Positive organizational behavior: engaged employees in flourishing organizations", Journal of Organizational Behavior, Vol. 29, pp. 147-54.
- Bakker, A.B., Demerouti, E. and Verbeke, W. (2004), "Using the job demands: resources model to predict burnout and performance", Human Resource Management, Vol. 43, pp. 83-104.
- Bakker, A. B., Demerouti, E., De Boer, E., & Schaufeli, W. B. (2003). Job demands and job resources as predictors of absence duration and frequency. Journal of Vocational Behavior, 62, 341–356.
- Bakker, A.B., Hakanen, J.J., Demerouti, E. and Xanthopoulou, D. (2007), "Job resources boost work engagement, particularly when job demands are high", Journal of Educational Psychology, Vol. 99, pp. 274-84.
- Bernardin H.J. (2010). Human Resource Management: An experimental Approach, Fifth Edition, McGraw.Hill International
- Caplan, R. O., Cobb, S., French, J. R. P., Van Harrison, R., & Pinneau, S. R. (1975). Job demands and worker health: Main effects and occupational differences. Washington, DC: U.S. Government Printing Office.
- Christopher, J.C., and Kevin D.C. (2003). Strategic Human Resource Practices, top management team social networks, and firm performance: The Role of HR practices in Creating Organizational Competitive Advantage. Academy Of Management Journal, Vol.46(6), 740-751.
- Cooper, D. R., & Schindler, P. S. (2008). Business Research Methods (10th ed.): McGraw Hill Companies, Inc., New York.

- Demerouti E., Bakker, A.B., Nachreiner, F., & Schaufeli, W.B. (2001). The Job Demands Resources model of burnout. Journal of Applied Psychology, 86, 499-512.
- George, D., & Mallery, P. (2003). SPSS for windows step by step: A simple guide and reference 11.0 update. (4th ed.). Boston, MA: Allyn and Bacon.
- Gomez-Mejia, L.R., Nunez-Nickel, M., Gutierrez, I., (2001). The Role of Family Ties in Agency Contracts. Academy of Management Journal, 44(1), 81-95.
- Griffeth, R. W., & Hom, P. W. (1995). The employee turnover process. Research and Human Resources Management, 13, Greenwich, CT.: JAI Press.
- Hackman, J. R., & Oldham, G. R. (1980). Work redesign. Reading, MA: Addison-Wesley.
- Hakanen, J., Bakker, A.B., & Schaufeli, W.B. (2006). Burnout and work engagement among teachers. The Journal of School Psychology, 43, 495-513
- Hakanen, J.J., Bakker, A.B., & Demerouti, E. (2005). How dentists cope with their job demands and stay engaged: The moderating role of job resources. European Journal of Oral Sciences
- Halbesleben, J. R. B., & Wheeler, A. R. (2008). The relative roles of engagement and embeddedness in predicting job performance and intention to leave. Work and Stress, 22, 242–256.
- Harter, J. K., Schmidt, F.L., & Hayes, T. L. (2002). Business-unit-level relationship between employee satisfaction, employee engagement, and business outcomes: A meta-analysis. Journal of Applied Psychology, 87, 268-279
- Harter, J.K. Schmidt, F.L., & Keyers, C.L.(2002), Well-Being in the Workplace and its Relationship to Business Outcomes: A Review of the Gallup Studies.
- Hobfoll, S.E. and Shirom, A. (2000), "Conservation of resources theory: Applications to stress and management in the workplace", in Golembiewski, R.T. (Ed.), Handbook of Organization Behavior, 2nd ed., Dekker, New York, NY, pp. 57-81.
- Howell, D. C. (2007). Statistical methods for psychology (6th ed.). Belmont, CA: Thomson Wadsworth.
- Ilies, R., Dimotakis, N., & De Pater, I. E. (2010). Psychological and physiological reactions to high workloads: Implications for well-being. Personnel Psychology; Summer 2010; 63, 2; ABI/INFORM Complete pg. 407
- Judge, T. A., Van Vianen, A. E. M., & De Pater, I. E. (2004). Emotional stability, core self-valuations, and job outcomes: A review of the evidence and an agenda for future research. Human Performance, 17, 325-346

- Kahn, W. A. (1992). To be fully there: Psychological presence at work. Human Relations, 45, 321–349.
- Kahn, W. A. (1990). Psychological conditions of personal engagement and disengagement at work. Academy of Management Journal, 33, 692-724.
- Karasek, R. A. (1985). Job content questionnaire and user's guide. Lowell: Department of Work Environment, University of Massachussets Lowell.
- Lisa G (2012, February 19). Costly job hopping. The Star Online, February 19, 2012
- Lockwood, N. R., 2007. Leveraging employee engagement for competitive advantage :HR's strategic role. HR Magazine, 52(3), pp.1-11.
- Loquercio, D. (2006). Turnover and Retention— A Literature Review. People in Aid. http://www.peopleinaid.org
- Macey, W. H., & Schneider, B. (2008). The meaning of employee engagement. Industrial and Organizational Psychology, 1, 3–30.
- Maslach, C., Schaufelli, W.B. and Leiter, M.P. (2001), "Job burnout", Annual Review of Psychology, 52, 397-422.
- Maslach, C., Jackson, S.E., & Leiter, M.P. (1996). MBI: The Maslach Burnout Inventory: Manual. Palo Alto: Consulting Psychologists Press.
- Meijman, T. F., & Mulder, G. (1998). Psychological aspects of workload. In P. J. D. Drenth, H. Thierry, & C. J. De Wolff (Eds.), Handbook of work and organizational psychology (Vol. 2, pp. 5–33). Hove: Psychology Press/Erlbaum.
- Mello J.A. (2011). Strategic Management of Human Resources, Third Edition, South-Western Cengage Learning.
- Muchinsky, P. (1993). Psychology applied to work: An introduction to industrial/organizational psychology. L.A: Brooks/Cole.
- Nelson, D.L. & Simmons, B.L. (2003). Health psychology and work stress: A more positive approach. In J.C. Quick & L.E. Tetrick (Eds.), Handbook of occupational health psychology (pp. 97–119). Washington, DC: American Psychological Association.
- Ramsay, C. S., & Finney, M. I. (2006). Employee engagement at Intuit. Mountain View, CA: Intuit Inc.
- Robert J. Vance, Ph.D; SHRM Foundation's Effective Practice Guidelines. 2006. SHRM Foundation.

- Saks A.M., Gruman J. A. 2010, Organizational socialization and positive organizational behaviour: implications for theory, research, and practice, Canadian Journal of Administrative Sciences Volume 28, Issue 1, pages 14–26, March 2011
- Sandeep K, Gatenby M, Rees C, Soane E., Truss K (2008), Employee Engagement: A Literature Review, Kingston Business School Kingston University Working Paper Series No 19.
- Saunders, M.N.K., Lewis, P. & Thornhill, A. (2003) Research methods for business students (3rd Ed). Harlow: FT Prentice Hall.
- Schaufeli, W. B., Bakker, A. B., & Salanova, M. (2006). The measurement of work engagement with a brief questionnaire: A cross-national study. Educational and Psychological Measurement, 66, 701–716.
- Schaufeli, W.B., & Bakker, A.B. (2004). Job demands, job resources, and their relationship with burnout and engagement: A multi-sample study. Journal of Organizational Behavior, 25, 293-315.
- Schaufeli, W. B., Bakker, A. B., & Van Rhenen, W. (2009). How changes in job demands and resources predict burnout, work engagement, and sickness absenteeism. Journal of Organizational Behavior, 30, 893–917.
- Seijts, G. & Crim, D. (2006). What engages employees the most or, the Ten C's of employee engagement. Ivey Business Journal Online. Mar/Apr, 2006. pp 1 5.
- Sekaran U (2003). Research method for business: A skill building approach, 4th edition, John Wiley & Sons.
- Sekaran U, Bougie R (2010), Research Methods for Business: A Skill Building Approach, 5th Edition, John Willey & Sons.
- Sonnentag, S., & Zijlstra, F.R.H. (2006). Job characteristics and off-job activities as predictors of need for recovery, well-being, and fatigue. Journal of Applied Psychology, 91, 330–350.
- Thomas, K.W. and Velthouse, B.A. 1990. "Cognitive Elements of Empowerment: An 'Interpretive' Model of Intrinsic Task Motivation." The Academy of Management Review, 15: 666-681.
- Towers Perrin Talent Report (2003), Working Today: Understanding What Drives Employee Engagement, p4.
- Towers Perrin. (2006). Winning strategies for a global workforce. Towers Perrin Global Workforce Survey: Executive report.

- Welbourne, T M (2007), Employee engagement: Beyond the fad and into the executive suite by the Leader to Leader Institute
- Welch, J., & Welch, S. (2006, May 8). Ideas the Welch way: How healthy is your company? BusinessWeek, 126
- Wright, T. A., & Cropanzano, R. (1998). Emotional exhaustion as a predictor of job performance and voluntary turnover. Journal of Applied Psychology, 83, 486–493.
- Zohar, D., Tzischinski, O., & Epstein, R. (2003). Effects of energy availability on immediate and delayed emotional reactions to work events. Journal of Applied Psychology, 88, 1082–1093.