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Exploratory Factor Analysis (EFA) and Constructs Validity for items used to measure the Impact of Human Resource Management Practices on Employees' Job Satisfaction

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Abstract: According to (Bayt.com, 2015); the largest recruitment site in the Middle East and North Africa (MENA), A percentage of (14%) of Jordanian employees are very satisfied with their work, (25%) are somewhat satisfied, and (33%) are a bit dissatisfied, while (28%) are very dissatisfied with their work. Meanwhile, because the economic status in Jordan is critical, and the cost of living is very high, decision makers and managers of Jordanian organisations have to pay their full attention in making their employees their most valuable asset. While they have to focus on developing workers' diverse skills and realise these skills by enrolling employees in training courses that meet their interests and needs. In addition, In Jordan, HRM has not received big attention yet. To address some of the common practices occurs by HR department in organisations of Jordan. (Bhatia 2016) mentioned that no opportunity is given to an employee to express his / her development needs. Unplanned employee development exists because training manager nominates employees with no formal procedure to fillin training requirements and analytical skills and capabilities gaps. All this leads to, money and efforts waste. This article explains the use of exploratory factor analysis in extracting factors of Human Resource Management Constructs (Motivation, Training and Development, Working Conditions, Performance Appraisal) and the factors of Job Satisfaction Construct. The quantitative study collected information on the participants' perceptions towards multimodal forms in digital contents as well as uncover their opinions on why they want to access and use digital content.

Keywords: Human Resource Management, Job Satisfaction, Exploratory Factor Analysis.

INTRODUCTION

Human resource (HR) departments of industrial companies are believed of being a cost centre. This belief became higher because it is hard to measure the outcomes of HRM efforts, and not clear to see the results of employee managing. Human resource outcomes are measured with intangible elements such like employee satisfaction, client satisfaction, customer complaints. Meanwhile, HRM has to focus on providing workers with all the new and diverse skills to make sure of their flexibility and therefore, to be able to respond to changes. This comes from the fact that the nature of the industrial environment is dynamic and competitive.

In Jordan, HRM has not received a big attention yet. According to [1], Reports from the Ministry of Industry and Trade show that HR departments in some Jordanian organisations are facing significant problems regarding the development of their human capital, because they lack initiative and are

disregarding their duties and activities, which also results in less satisfied employees followed by high turnover rates. Therefore, the main objective of this study is to examine and analyse the impact of human resource management practices (Motivation, Training and Development, Working Conditions, Performance Appraisal) on employee's job satisfaction.

LITERATURE REVIEW

Studied the relationship between motivation and job satisfaction [2]. His population consisted of 68 managers, mainly branch managers, ticket administrators, maintenance managers, fleet administrators, and routing managers. His results showed that there is a very strong relationship between motivation and job satisfaction, where is some cases they seem to be inseparable and indistinct management constructs. Moreover, [3] examined the relationship between training and job satisfaction amongst foreign Workers in a Southern State in the United States. 742 foreign workers were asked to take a part in his survey,

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and the results showed that there is a significant relationship between one on one training and overall job satisfaction, and a significant relationship between training days and overall job satisfaction. In addition [4] Studied the impact of the Job Stress, Job Autonomy and Working Conditions on Employee Satisfaction. His data was collected from the industrial sector and private banking scatter of the Punjab that consisted of a sample size of 180. The results showed that job stress has a relationship with employee satisfaction. Job autonomy & Working conditions has also positive impact on employee satisfaction. These factors determine the satisfaction of the employee in his point of view. At last, Patrick [5] analysed the effect of PAs on

employees' overall job satisfaction. He was able to differentiate between appraisals that are associated with monetary outcomes, such as bonuses and promotions, and on the other hand, appraisals that have no monetary consequences. His sample consisted of around 10,500 German employees. His results showed a significantly positive effect of PAs on job satisfaction, especially by appraisals related to monetary outcomes. The results reveal that performance appraisals linked to monetary outcomes are a powerful HR management tool that is highly appreciated by employees, while appraisals without monetary outcomes have, in general, no positive impact on job satisfaction.

Table -1: Contents of questionnaire on the impact of Human Resource Management Practices on Employees' Job Satisfaction

	Satisfaction
Item	Content
Item 1	If I do my job very well, I can count on earning more money (rewards & commissions).
Item 2	There are few rewards for those who work here.
Item 3	I do not feel my efforts are rewarded the way they should be.
Item 4	In my company, promotions are based primarily on merit.
Item 5	There is a little chance for promotion on my job.
Item 6	Those who do well on the job have a fair chance of being promoted.
Item 7	I feel great satisfaction knowing that I have many promotion possibilities.
Item 8	My manager holds many workshops for his department to keep them alert and updated.
Item 9	This organisation provides me with training opportunities enabling me to extend my range of skills and abilities.
Item 10	My work pays for any work-related training I want to undertake.
Item 11	In my organisation, learning is planned and purposeful rather than accidental.
Item 12	Generally, the training I receive on the job meets my needs.
Item 13	Training and development are encouraged in my company.
Item 14	My company provides learning\training opportunities to help in keeping me updated with the changes in my workplace.
Item 15	My working environment has no negative impact on my health.
Item 16	I always feel safe while working here under these conditions.
Item 17	This organisation ensures the well-being of its employees.
Item 18	The company provides flexible work hours to accommodate my personal needs.
Item 19	The company provides a comfortable working environment (light, seating arrangement, air conditioning, etc).
Item 20	I have the necessary equipment and resources to do my job well.
Item 21	I have enough physical space to do my job well.
Item 22	The company provides sufficient information on performance appraisal system methods.
Item 23	Performance appraisal is done by the supervisor.
Item 24	I believe that my appraiser will not be affected by the mood in providing a fair and unbiased appraisal.
Item 25	The evaluation process used in my company accurately evaluates my performance.
Item 26	Employees are allowed to formally communicate with supervisors regarding the appraisal results.
Item 27	I receive feedback about my performance evaluation results.
Item 28	The feedback I received at my most recent performance appraisal was very useful.
Item 29	Generally speaking, I was very satisfied with my job.
Item 30	I feel unappreciated by the organisation when I think about my salary.
Item 31	I am satisfied with my salary.
Item 32	I believe that if any of my colleagues were to take up the same work I had, they would find this work meaningful.
Item 33	I believe that if any of my colleagues were to take up the same work I had, they would have thought of quitting.
Item 34	I feel I am important in this Company.
Item 35	I have a Supervisor-Manager who keeps me alert and motivated to my work.
Item 36	My supervisor is unfair to me.
Item 37	My supervisor delegates to me the authority and responsibility to do my job well.
Item 38	I like the people I work with.
Item 39	I receive adequate opportunity to interact with other employees on a formal level.
Item 40	My job makes a good use of my skills and abilities.

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METHODOLOGY

The sample for this study was recruited in a survey conducted in Jordan Sweden Medical and Sterilization Co., where samples were taken from one work site at the company. Overall, the survey was provided to 100 employees. The project supervisor agreed, and all respondents were assured of confidentiality and anonymity.

Exploratory factor analysis was conducted on all subsets of the sample using IBM-SPSS 21.0 with principal component as the extraction method, it was also used as an analytical tool to conduct logical statistical and computational processes to derive statistical results using the required coefficients, to arrive at the results of the study and compare them with previous studies.

Meanwhile, Table 1 shows the original questionnaire used to conduct EFA and distributed on Jordan Sweden Medical & Sterilization Co. employees

FINDINGS

Exploratory Factor Analysis (EFA)

The results in Table 2 show the descriptive statistics for every item measuring all constructs of the study. A questionnaire using the interval scale from 1 (strongly disagree) to 10 (strongly agree) contained seven items for independent variables (Constructs) and twelve items for the dependent variable (Construct) with the given item statements was used to measure the constructs. The mean and standard deviation score for every item is presented in Table 2.

Table-2: Descriptive statistic of All Constructs' Items

Construct	Construct Items	Mean (SD) of	Std.	Analysis	Missing
		each item score	Deviation ^a	\mathbf{N}^{a}	N
Motivation	1: If I do my job very well, I can count on	4.83	2.829	100	0
	earning more money (rewards &				
	commissions).				
	2: There are few rewards for those who work	4.63	2.733	100	0
	here.				
	3: I do not feel my efforts are rewarded the	4.95	2.728	100	0
	way they should be.				
	4: In my company, promotions are based	5.02	2.632	100	0
	primarily on merit.				
	5: There is a little chance for promotion on my	4.97	2.830	100	0
	job.				
	6: Those who do well on the job have a fair	5.77	2.224	100	0
	chance of being promoted.				
	7: I feel great satisfaction knowing that I have	7.86	2.142	100	0
	many promotion possibilities.				
Training	8: My manager holds many workshops for his	4.78	2.953	100	0
	department to keep them alert and updated.		2.505	100	
	9: This organization provides me with training	5.21	2.797	100	0
	opportunities enabling me to extend my range				
	of skills and abilities.	5.97	2 125	100	0
	10: My work pays for any work-related	5.97	3.125	100	0
	training I want to undertake.	5.79	2.698	100	0
	11: In my organization, learning is planned and purposeful rather than accidental.	3.19	2.098	100	U
	12: Generally, the training I receive on the job	5.81	2.987	100	0
	meets my needs.	3.61	2.907	100	U
	13: Training and development are encouraged	6.10	2.338	100	0
	in my company.	0.10	2.336	100	U
	14: My company provides learning\training	5.78	2.580	100	0
	opportunities to help in keeping me updated	3.76	2.300	100	U
	with the changes in my workplace.				
Working	15: My working environment has no negative	4.59	3.312	100	0
Conditions	impact on my health.	1.57	3.312	100	
50110110110	16: I always feel safe while working here	6.07	2.753	100	0
	under these conditions.	0.07		100	
	17: This organization ensures the well-being	4.61	2.715	100	0

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	of its employees.				
	18: The company provides flexible work hours	3.89	2.518	100	0
	to accommodate my personal needs.				
	19: The company provides a comfortable	6.96	2.670	100	0
	working environment (light, seating				
	arrangement, air conditioning, etc).				
	20: I have the necessary equipment and	7.35	2.409	100	0
	resources to do my job well.				
	21: I have enough physical space to do my job	7.16	2.473	100	0
	well.				
Performance	22: The company provides sufficient	6.15	2.422	100	0
Appraisal	information on performance appraisal system				
	methods.				
	23: Performance appraisal is done by the	7.55	2.405	100	0
	supervisor.				
	24: I believe that my appraiser will not be	6.18	2.848	100	0
	affected by the mood in providing a fair and				
	unbiased appraisal.				
	25: The evaluation process used in my	5.79	2.595	100	0
	company accurately evaluates my				
	performance.				
	26: Employees are allowed to formally	7.24	2.358	100	0
	communicate with supervisors regarding the				
	appraisal results.				
	27: I receive feedback about my performance	7.15	2.105	100	0
	evaluation results.				
	28: The feedback I received at my most recent	6.23	2.666	100	0
	performance appraisal was very useful.				
Job Satisfaction	29: Generally speaking, I was very satisfied	6.50	2.285	100	0
	with my job.				
	30: I feel unappreciated by the organisation	6.67	2.704	100	0
	when I think about my salary.				
	31: I am satisfied with my salary.	6.66	2.656	100	0
	32: I believe that if any of my colleagues were	6.87	2.477	100	0
	to take up the same work I had, they would				
	find this work meaningful.				
	33: I believe that if any of my colleagues were	5.17	2.920	100	0
	to take up the same work I had, they would				
	have thought of quitting.				_
	34: I feel I am important in this Company.	6.15	2.409	100	0
	35: I have a Supervisor-Manager who keeps	6.35	2.746	100	0
	me alert and motivated to my work.			15-	
	36: My supervisor is unfair to me.	6.26	2.791	100	0
	37: My supervisor delegates to me the	6.66	2.471	100	0
	authority and responsibility to do my job well.				
	38: I like the people I work with.	8.56	1.748	100	0
	39: I receive adequate opportunity to interact	7.75	1.898	100	0
	with other employees on a formal level.				
	40: My job makes a good use of my skills and	6.92	2.604	100	0
	abilities.				

The results in Table 3 showed that the data is adequate to proceed further with the data reduction procedure in EFA [6, 7, 8, 10, 9, 11]. While the results indicated that the measure of sampling adequacy by

Kaiser-Meyer-Olkin (KMO) is excellent since it exceeded the required value of 0.6 and the Bartletts' Test of Sphericity is significant (P-Value < 0.05) [12, 9, 8].

Table-3: KMO and Bartlett's Test for All Constructs.

Construct	ŀ	KMO and Bartlett's Test	
Motivation	Kaiser-Mey	er-Olkin Measure of	0.738
	Sampl	ing Adequacy.	
	Bartlett's Test	Approx. Chi-Square	154.259
	of Sphericity	df	21
		Sig.	.000
Training	Kaiser-Mey	er-Olkin Measure of	0.872
	Sampl	ing Adequacy.	
	Bartlett's Test	Approx. Chi-Square	480.330
	of Sphericity		
		df	21
		Sig.	.000
Working	Kaiser-Mey	er-Olkin Measure of	0.720
Conditions	Sampl	ing Adequacy.	
	Bartlett's Test	Approx. Chi-Square	312.548
	of Sphericity	df	21
		Sig.	.000
Performance	Kaiser-Mey	er-Olkin Measure of	0.827
Appraisal	Sampl	ing Adequacy.	
	Bartlett's Test	Approx. Chi-Square	407.159
	of Sphericity	df	21
		Sig.	.000
Job	Kaiser-Mey	er-Olkin Measure of	0.768
Satisfaction	Sampl	ing Adequacy.	
	Bartlett's Test	Approx. Chi-Square	421.825
	of Sphericity	df	66
		Sig.	.000

The results in Table 4 shows that there are two components or dimensions emerged from the EFA procedure made on Motivation construct, based on the computed Eigenvalue greater than 1.0. The eigenvalues ranged between 1.122 and 2.807. While the variance explained for component 1 is 30.809%, and component 2 is 25.321%. The total variance explained for measuring this construct is 56.1307%. The total variance explained is acceptable since it is close to 60%. The table also shows that there is one component or dimension emerged from the EFA procedure made on Training Construct, based on the computed Eigenvalue greater than 1.0. The total variance explained for measuring this construct is 67.372%. The total variance explained is acceptable since it exceeded 60%. Moreover, the table also shows that there are two components or dimensions emerged from the EFA procedure made on Working Conditions construct, based on the computed Eigenvalue greater than 1.0. The eigenvalues ranged between 1.486 and 3.297. While the variance explained for component 1 is 40.304%, and component 2 is 28.024%. The total variance explained for measuring this construct is 68.3297%. The total variance explained is acceptable since it exceeded 60%. Nevertheless, the table also shows that there is one

component or dimension emerged from the EFA procedure made on Performance Appraisal construct, based on the computed Eigenvalue greater than 1.0. Only one component extracted with total variance explained is 61.388%. The total variance explained is acceptable since it exceeded 60%. Finally, the table shows that there are four components or dimensions emerged from the EFA procedure made on Job Satisfaction construct based on the computed Eigenvalue greater than 1.0. Component 1 extracted 20.711%, component 2 extracted 17.656%, component 3 extracted 15.526%, and component 4 extracted 14.291%. The total variance explained is 68.187%. The total variance explained is acceptable since it exceeded 60% [6-9, 13, 14].

The result in Table 5 shows five items namely Q1, Q7, Q15, Q33 and Q34 has to be deleted due to low factor loading (< 0.6). Thus, these five items would not be used to measure their constructs in the field study [6, 7, 15, 16, 8, 10, 9, 13, 14]. Moreover, The Cronbach Alpha in Table 5 has exceeded 0.7 as recommended by Awang [6, 7]. Thus, the internal reliability for all constructs has been achieved.

Table-4: The Total Variance Explained for All Constructs

Construct			Tota	al Variance Exp	lained		
Motivation	Components	Extrac	tion Sums of Squ	uared Loadings	Rotati	ion Sums of Squ	ared Loadings
	(Factors)	Total	% of	Cumulative	Total	% of	Cumulative
			Variance	%		Variance	%
	1	2.807	40.101	40.101	2.157	30.809	30.809
	2	1.122	16.029	56.130	1.772	25.321	56.130
Training	1	4.716	67.372	67.372		N\A	
Working Conditions	1	3.297	47.098	47.098	2.821	40.304	40.304
	2	1.486	21.231	68.329	1.962	28.024	68.329
Performance	1	4.297	61.388	61.388		N∖A	
Appraisal							
Job Satisfaction	1	4.269	35.574	35.574	2.485	20.711	20.711
	2	1.598	13.318	48.892	2.119	17.656	38.368
	3	1.294	10.787	59.678	1.863	15.526	53.893
	4	1.021	8.509	68.18 7	1.715	14.294	68.187

Table-5: Construct validity (exploratory factor analysis) and reliability analysis of the Job Satisfaction Construct Items

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$N \setminus A$
3

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	I .				ı	
	knowing that I					
	have many					
	promotion					
	possibilities.					
Training	8: My	0.738	N\A	0.915		$N \setminus A$
	manager holds					
	many					
	workshops for					
	his department					
	to keep them					
	alert and					
	updated.					
	9: This	0.775				
	organisation	0.775				
	provides me					
	with training					
	opportunities					
	enabling me to					
	extend my					
	range of skills					
	and abilities.					
	10: My work	0.765				
		0.763				
	pays for any					
	work-related					
	training I want					
	to undertake.	0.022				
	11: In my	0.833				
	organisation,					
	learning is					
	planned and					
	purposeful					
	rather than					
	accidental.					
	12: Generally,	0.876				
	the training I					
	receive on the					
	job meets my					
	needs.					
	13: Training	0.867				
	and					
	development					
	are					
	encouraged in					
	my company.					
	14: My	0.879				
	company	0.077				
	provides					
	learning\traini					
	ng					
	opportunities					
	to help in					
	keeping me					
	updated with					
	the changes in					
W71 *	my workplace.		Itama Dalata 1	0.740	0.751	N.T. A
Working	15: My		Item Deleted	0.740	0.751	N∖A
Conditions	working					
	environment					
	has no					

	I				1	ı	
	negative						
	impact on my						
	health.						
	16: I always		0.636	N∖A			
	feel safe while			,			
	working here						
	under these						
	conditions.						
	17: This		0.852				
			0.852				
	organisation						
	ensures the						
	well-being of						
	its employees.						
	18: The		0.775				
	company						
	provides						
	flexible work						
	hours to						
	accommodate						
	my personal						
	needs.						
	19: The	0.807					
	company	0.007					
	provides a						
	comfortable						
	working						
	environment						
	(light, seating						
	arrangement,						
	air						
	conditioning,						
	etc).						
	20: I have the	0.905					
	necessary						
	equipment and						
	resources to do						
	my job well.						
	21: I have	0.885					
	enough						
1	physical space						
1	to do my job						
1	well.						
Performan	22: The	0.606		N∖A	0.892		N∖A
ce	company	0.000		11/17	0.072		11/17
Appraisal	provides						
Appraisai	sufficient						
1							
	information on						
	performance						
1	appraisal						
1	system						
1	methods.						
	23:	0.747					
	Performance						
1	appraisal is						
1	done by the						
1	supervisor.						
1	24: I believe	0.831					
	that my	-					
1	appraiser will						
1	appraiser will				L	L	

	not be affected								
	by the mood in								
	providing a								
	fair and								
	unbiased								
	appraisal.								
	25: The	0.874							
	evaluation	0.07.							
	process used								
	in my								
	company								
	accurately								
	evaluates my								
	performance.								
	26: Employees	0.753							
		0.755							
	are allowed to								
	formally								
	communicate								
	with								
	supervisors								
	regarding the								
	appraisal								
	results.								
	27: I receive	0.832							
	feedback								
	about my								
	performance								
	evaluation								
	results.								
	28: The	0.811							
	feedback I								
	received at my								
	most recent								
	performance								
	appraisal was								
	very useful.								
Job	29: Generally		0.632			0.768	0.769	.787	.721
Satisfactio	speaking, I								
	was very								
n	was very								
	satisfied with								
	my job.								
	30: I feel			0.845					
1	unappreciated								
1	by the								
1	organisation								
	when I think								
	when I think								
	about my								
1	salary.								
	31: I am			0.795					
	satisfied with								
1	my salary.								
	32: I believe		0.839			1			
			0.839						
	that if any of								
	my colleagues								
	were to take								
	up the same								
	work I had,								
1									
			i i		•	i .	ī	ī	i
	they would find this work								

meaningful.				
33: I believe		Item d	leleted	
that if any of		Item	icicicu	
my colleagues				
were to take				
up the same				
work I had,				
they would				
have thought				
of quitting.		. .		
34: I feel I am		Item d	leleted	
important in				
this Company.				
35: I have a	0.709			
Supervisor-				
Manager who				
keeps me alert				
and motivated				
to my work.				
36: My	0.835			
supervisor is				
unfair to me.				
37: My	0.777			
supervisor				
delegates to				
me the				
authority and				
responsibility				
to do my job				
well.				
38: I like the				0.911
people I work				0.711
with.				
39: I receive				0.765
adequate				0.703
opportunity to				
interact with				
other				
employees on				
a formal level.		0.605		
40: My job		0.685		
makes good				
use of my				
skills and				
abilities.				

DISCUSSION

The importance of this study comes from its research character; it is set out to examine the size of the impact caused by Human resource management practices (Motivation, Training and development, Working conditions, and Performance appraisal) on employee's job satisfaction. The impact of human resource management practices on organisational performance has begun to be the common research issue in the human resource management field. Many researchers studied the impact of human resource management practices on organisational performance in the industrial sector. Very few scholars have linked

HRM practices and their outcomes on industrial sector companies in Jordan, and none has studied HRM practices, their outcomes and impact on employee's job satisfaction in private industrial enterprises in Jordan. Therefore, this study addresses this gap in the literature about the industrial sector in Jordan. This study attempts to find a solution for, what are the outcomes of the HRM practices on private sector industrial companies in Jordan. How do HRM practices influence employee's satisfaction? Moreover, how do HRM practices affect the performance of private sector businesses in Jordan? Therefore, findings of this study will be helpful to describe HRM outcomes (such as

employee loyalty, employee development, employee retention) on private sector companies in Jordan. Therefore, findings of this research will assist HR managers to know how successful their practices are, and to identify their outcomes. As well as, managers of private industrial companies can make changes to currently used HR practices. Finally, findings of this study will probably contribute the economic development in Jordan by while its outcomes can be used to increase performance of private sector enterprises in Jordan.

In this study, all examined constructs showed good reliability while some constructs resulted in second order constructs such as (Motivation, Working Conditions, Job Satisfaction), While other constructs resulted in first order construct only, such as (Training and Development, Performance Appraisal).

Validation Study Limitations

Limitations in the interpretation and generalisation of the study findings exist as a result of the research methods and data sample used. The limitations that are present in this study include:

- The survey questions required the respondents to rate the extent of implementation of some of the elements on a scale of one to five. The response to these questions is dependent upon the judgment of the respondents, which may vary between survey respondents.
- Another limitation is the small sample size of projects used in the model validation effort. The small sample size limits the ability to generalise the results to the entire Industrial Companies.

CONCLUSION

In this paper, following a comprehensive comparison of existing HRM practices reported in the literature, we identified all five constructs and their subconstructs wherever they existed. Following several adaptations, we will conduct a detailed analysis. The results of this study will reveal the conditions and instructions that are suitable in obtaining high Job Satisfaction for the employees, which can contribute in reducing turnover rates within companies This might be the beginning of further studies in the area of Human Resource Management in the industrial field in Jordan. Job Satisfaction can properly be improved through programs such as training and extension seminars or providing better working conditions.

REFERENCES

- 1. Aladwan, K., Bhanugopan, R., & Fish, A. (2014). Managing human resources in Jordanian organizations: challenges and prospects. International journal of Islamic and middle eastern finance and management, 7(1), 126-138.
- 2. Mamah, A. A., & Ogbu, C. G. (2015). Empirical Analysis of the Relationship between Motivation

- and Job Satisfaction: A Study of Ifesinachi Industries Nigeria Limited. International Journal of Academic Research in Business and Social Sciences. 5(12), 198-214.
- 3. Lu, Y. A. (2016). An Exploration of Training and Job Satisfaction: An Examination of H1B Foreign Workers in a Southern State in the United States.
- Rizwan, M., Jamil, M. I., Shahid, U., Saeedi, H. A., Faisal, N., ul Islam, Z., ... & Mateen, A. (2014). The Impact of the Job Stress, Job Autonomy and Working Conditions on Employee Satisfaction. International Journal of Human Resource Studies. 4(2), 196-207.
- 5. Patrick Kampkötter (2016). Performance appraisals and job satisfaction, The International Journal of Human Resource Management.
- Awang, Z. (2010). Research Methodology for Business and Social Sciences. *Universiti Teknologi* MARA. Malaysia.
- Awang, Z. (2012). Research methodology and data analysis. Penerbit Universiti Teknologi MARA Press. Malaysia.
- 8. Gilard, M., Barragan, P., Noryani, A. A., Noor, H. A., Majwal, T., Hovasse, T., ... & Wojcik, J. (2015). 6-versus 24-month dual antiplatelet therapy after implantation of drug-eluting stents in patients nonresistant to aspirin: the randomized, multicenter ITALIC trial. *Journal of the American College of Cardiology*, 65(8), 777-786.
- 9. Hoque, A.S.M.M, Awang, Z., Jusoff, K., Salleh, F., and Muda, H (2017). Social Business Efficiency: Instrument Development and Validation Procedure using Structural Equation Modelling. *International Business Management*. 11(1), 222-231.
- 10. Hoque, A. S. M. M., & Awang, Z. (2016). The Sway of Entrepreneurial Marketing on Firm Performance: Case of Small and Medium Enterprises (SMEs) in Bangladesh. In *Terengganu International Business and Economics Conference (TiBEC-V)*, *Terengganu*, *Universiti Teknologi Mara (UiTM)* (pp. 174-194).
- 11. Hoque, A. S. M. M., Siddiqui, B. A., Awang, Z. B., & Baharu, S. M. A. T. (2018). Explortory Factor Analysis of Entrepreneurial Orientation in the Context of Bangladesh Small and Medium Entreprises (SMES). European Journal of Management and Marketing Studies.
- 12. Awang, Z. (2015). SEM Made Simple: A Gentle Approach to Learning Structural Equation Modelling. Bandar Baru Bangi, MPWS Rich Resources.
- 13. Hoque, A. S. M. M., & Awang, Z. (2018c). Does gender difference play moderating role in the relationship between entrepreneurial marketing and Bangladeshi SME performance?. *Accounting*, 5(1), 35-52.
- 14. Yahaya, T., Idris, K., Suandi, T., & Ismail, I. (2018). Adapting instruments and modifying statements: The confirmation method for the

- inventory and model for information sharing behavior using social media. *Management Science Letters*, 8(5), 271-282.
- 15. Awang, Z. (2014). A handbook on SEM for academicians and practitioners: the step by step practical guides for the beginners. *Bandar Baru Bangi, MPWS Rich Resources*.
- 16. Awang, Z., Afthanorhan, W. M. A. W., & Asri, M. A. M. (2015). Parametric and non-parametric approach in structural equation modeling (SEM): The application of bootstrapping. *Modern Applied Science*. 9(9), 58.

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