RELATIONSHIPS BETWEEN EXTENSION COMPETENCIES, ORGANISATIONAL COMMITMENT AND JOB SATISFACTION WITH PERFORMANCE OF AGRICULTURAL EXTENSION WORKERS IN YEMEN

ALI HASSAN OBAID KHALIL

FPP 2008 21
RELATIONSHIPS BETWEEN EXTENSION COMPETENCIES, ORGANISATIONAL COMMITMENT AND JOB SATISFACTION WITH PERFORMANCE OF AGRICULTURAL EXTENSION WORKERS IN YEMEN

By

ALI HASSAN OBAID KHALIL

Thesis Submitted to the School of Graduates Studies, Universiti Putra Malaysia, in Fulfilment of the Requirements for the Degree of Doctor of Philosophy

August 2008
DEDICATION

To my loved homeland the Republic of Yemen and every one who is honestly working to maintain Yemen united, peaceful and developed
This study aimed to determine the relationships between selected variables, namely extension competencies including human development competencies, leadership development, extension communication methods, programme development, programme implementation and programme evaluation; organisational commitment as well as job satisfaction and job performance of agriculture extension workers. The study also sought to identify the best predictors of job performance of the extension workers.

The total population of the extension workers was 1364. The sample size of this study was 300 which were determined by using Cochran's formula (1977). The study
used stratified random sampling technique in which 300 respondents from the agriculture extension services organisations in Yemen were chosen. A complete list of agriculture extension workers across the three agriculture regions, namely, coastal, highlands and desert regions was obtained. The research design of this study was a descriptive correlational study. Self-administered questionnaire was used as the research instrument to collect data from the respondents of this study. The quantitative data were analysed by using descriptive statistics such as mean and standards deviations. The parametric statistics such as Pearson correlation, multiple regression analyses, t-test and ANOVA also were used.

From the descriptive analysis, the result show that the overall extension workers performance illustrated with mean score \( M = 2.88 \) and standard deviation \( SD = 0.69 \), that more than a half (60.7 %) of the respondents experienced a moderate level of job performance, while 23.8 % of them indicated a low level of performance and 15.5% considered a high level of performance.

Furthermore, the findings from parametric analysis indicated that there were significant relationships between the independent variables and job performance of extension workers. The independent variables are as follows: extension programme implementation competencies, extension programme planning competencies, extension programme evaluation competencies, organisational commitment, and job satisfaction.

Multiple regression analysis was used to identify the best predictors of extension workers’ performance. The variables according to descending order are job
satisfaction (Beta = 0.431), extension programme planning competencies (Beta = 0.239), extension programme implementation competencies (Beta = 0.147), extension programme evaluation competencies (Beta = 0.145), and organisational commitment (Beta = 0.102). The predictors explained 60.6% variance (F = 54.008, p = 0.0001) of job performance.

The study is important as it would become a platform for future research to consider aspect of performance and its variants. The implementation of human resource development initiatives is very important to consider by the relevant agencies in order to improve extension workers’ competencies and performance. This study also signals the importance of ensuring good and motivated work environment for extension workers for achieving a high performance. Extension services should also realise the various contributors of job performance, some of them are based on the individual factors as found in this study. By knowing these factors, they would be used as inputs in the recruitment, selection and succession planning processes in order to get the right extension workers. This will make extension workers know clearly their duties, tasks, and how to act in rural community. To support the findings of this study in the country, it is recommended that future studies are conducted across employees from other rural development organisations including agricultural and community development organisations by taking into considerations other work behaviour and social factors that might help more to understand the individual performance phenomenon.
Abstrak tesis yang dikemukakan kepada Senat Universiti Putra Malaysia sebagai memenuhi keperluan untuk ijazah Doktor Falsafah

PERKAITAN ANTARA KOMPETENSI KERJA PENGEMBANGAN, KOMITMEN ORGANISASI SERTA KEPUASAN KERJA DAN PRESTASI PEKERJA PENGEMBANGAN PERTANIAN DI YEMEN

BY

ALI HASSAN OBAID KHALIL

Ogos 2008

Pengerusi: Profesor Maimunah Ismail, PhD

Fakulti: Pengajian Pendidikan

Kajian ini bertujuan untuk mengenal pasti perkaitan antara pembolehubah terpilih iaitu kompetensi kerja pengembangan termasuk kompetensi pembangunan manusia, pembangunan kepemimpinan, kaedah pengembangan, pembentukan program, pelaksanaan dan penilaian program; komitmen organisasi; serta kepuasan kerja dan prestasi kerja pekerja pengembangan pertanian. Kajian juga bertujuan untuk mengenal pasti peramal prestasi kerja pekerja pengembangan tersebut.

Kajian menggunakan teknik persampelan rawak berstrata untuk mendapatkan 300 responden sebagai sampel kajian dari sektor perkhidmatan pengembangan pertanian di Yemen. Satu senarai lengkap organisasi pengembangan pertanian diperolehi dari setiap jabatan pengembangan dan setiap wilayah iaitu wilayah persisiran pantai, tanah tinggi dan padang pasir. Data yang diperolehi dianalisis menggunakan statistik deskriptif, korelasi Pearson, analisis regresi berganda, ujian-t dan ANOVA.
Dapatan kajian menunjukkan terdapat perkaitan signifikan antara prestasi kerja pekerja pengembangan dan kompetensi dalam tugas berikut iaitu pelaksanaan program pengembangan, perancangan program pengembangan, penilaian program pengembangan, pembangunan kepemimpinan, kaedah dalam komunikasi pengembangan, dan pembangunan manusia. Juga terdapat perkaitan signifikan antara prestasi pekerja pengembangan dan kepuasan kerja serta komitmen organisasi.

Analisis regresi berganda menunjukkan lima peramal prestasi pekerja pengembangan. Peramal tersebut mengikut susunan menurun ialah kepuasan kerja (Beta = 0.431), kompetensi perancangan program pengembangan (Beta = 0.239), kompetensi pelaksanaan program pengembangan (Beta = 0.147), kompetensi penilaian program pengembangan (Beta = 0.145), dan komitmen organisasi (Beta = 0.102). Faktor peramal tersebut menerangkan 60.6 % varians (F = 54.008, p = 0.0001) prestasi pekerja pengembangan.

Kajian ini penting untuk dijadikan asas dalam meneruskan kajian akan datang tentang pembolehubah lain yang mempengaruhi prestasi pengembangan. Initiatif pembangunan sumber manusia adalah penting dilaksanakan untuk meningkatkan kompetensi pekerja pengembangan demi seterusnya memperbaiki prestasi mereka. Kajian juga menyarankan pentingnya memastikan persekitaran kerja yang kondusif untuk memotivasikan pekerja pengembangan supaya berprestasi tinggi. Hasil kajian dijangkakan dapat dijadikan panduan oleh agensi pengembangan dalam melaksanakan inisiatif pembangunan sumber manusia seperti rekrutmen, pemilihan
dan perancangan pengambil-alihan staf. Ini untuk memastikan pekerja pengembangan memahami tanggung jawab, tugas dan bagaimana mendampingi masyarakat luar bandar.

Kajian ini mencadangkan supaya penyelidikan akan datang dijalankan dalam kalangan pekerja pengembangan dari organisasi luar bandar lain termasuk agensi pertanian dan pembangunan masyarakat dengan mengambil kira faktor sosial dan ekonomi untuk menyokong hasil kajian tentang peramal prestasi pekerja pengembangan dalam menjalankan tugas di negara tersebut.
ACKNOWLEDGEMENTS

First of all, praise is to “Allah” the cherisher, and the sustainer of the world for giving me strengths, health and determination to complete this thesis. Defiantly, completion of PhD thesis is never accomplished through the individual efforts of one person. There are many people, without whose involvement in the process, completion would not have been possible. Many people have helped me to make completion of this PhD thesis possible. Some by sharing their academic experience, providing guidance and fruitful critique, others by helping me to maintain my belief in myself in the face of the academic and personal difficulties that I have had to face over the years of my journey. Others have contributed by demonstrating great patience and forbearance as the journey has progressed. Distinguished Professor Dr. Maimunah Ismail as the chairman of my Doctoral Supervisory Committee stands out as having helped me in all of these ways.

I would like also to express my sincere gratitude to a wonderful, outstanding, distinguished Professor Dr. Turiman Suandi and Professor Dr. Abu Daud Silong who have been also enormously helpful as well as patience while we have worked through the process of the various stages of this study. I am indeed grateful for their constructive evaluations and for always being there when I needed them for their comments and suggestions. I wish to extend my gratitude to my pervious advisor Associate Professor Dr. Asma Ahmad for her guidance in the beginning of my research journey. I wish also to extend my sincere gratitude and thanks to distinguished Professor Dr. Rahim Md. Sail, Professor Dr. Azimi Hamzah, and Associate Professor Dr. Bahaman Abu Samah for their encouragement, guidance, expertise support and help.
To Associate Professor Dr. Jegak Uli, Dr. Khairuddin Idris, Dr. Shamsuddin Ahmad, Associate Professor Dr. Azahari Ismail, Associate Professor Dr. Azizan Asmuni and Professor Dr. Iraj Mohammad for their moral encouragement and assistance’s throughout my study. No word appreciation will be enough so please accept a simple thank you.

To the Department of Professional Development and Continuing Education staff my sincere thanks for helping me with the administrative arrangements and unlimited cooperation. My warm thanks also go to the UPM Main Library honest and hardworking staff. I wish to extend my gratitude in general to the people of Malaysia and particular to UPM community, Malaysian brothers and sisters classmates for their kind hospitality and warm welcoming. Thank you UPM, Thank you Malaysia. Appreciation is extended to my friends Mr. Thach from Vietnam and Mr. Shanta from Sri Lanka for their kind company and cooperation. My appreciation is also directed to the Government of Yemen (Ibb University) for providing me financial support and granting me the permission and assistance to conduct the survey. Indeed, the research would not have been able to be conducted without involvement of the respondents to the study. I would like to thank them for their willingness to contribute a little of their time to participate in this study. Many people of many different places and organisations provided me assistance during my fieldwork of collecting data. I wish to thank them all. Finally, I am very grateful to my mother, sisters, bothers, my lovely wife and children Asma and Ibrahim for their love, patience and support during my study.

Ali Hassan Khalil;
May, 2008
Serdang, Malaysia
I certify that an Examination Committee has met on 20th of August 2008 to conduct the final examination of Ali Hassan Obaid Khalil on his Doctor Philosophy thesis entitled “Relationships between Extension Competencies, Organisational Commitment and Job Satisfaction with Performance of Agricultural Extension Workers in Yemen” in accordance with Universiti Pertanian Malaysia (Higher Degree) Act 1980 and Universiti Pertanian Malaysia (Higher Degree) Regulations 1981. The Committee recommends that candidate be awarded the relevant degree. Members Committee are as follows:

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This thesis was submitted to the Senate of Universiti Putra Malaysia and has been accepted as fulfilment of the requirement for the degree of Doctor of Philosophy. The members of the Supervisory Committee were as follows:

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Date: 13 November 2008
DECLARATION

I declare that the thesis is based on my original work except for quotations and citations which have been duly acknowledged. I also declare that it has not been previously and is not currently submitted for any other degree at University Putra Malaysia or at any other institution.

ALI HASSAN OBAID KHALIL

Date: 14 October 2008
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CHAPTER I
INTRODUCTION

Advancement in using agricultural technologies is rapidly altering the traditional face of agricultural extension organisations workplace. With the competition in global agribusiness environment, extension organisations are continuously searching for strategies and techniques to improve their extension workers’ performance and delivering a good quality service to farmers. As the demands of the workplace continuously change, organisations are paying more attention to increased job satisfaction, increased organisational commitment and improving the employees’ competencies. Nowadays, organisations consider that their employees are fundamental assets, and thus they try to leverage these assets to have greater ability and high performance (Cooke, 2001).

Internationally, in the context of agricultural extension organisations several studies have examined the performance through concentration on appraising the effectiveness of agricultural extension organisations from economical perspectives. For example, Owens, Hoddinott and Kinsey (2001) and Dinar, Karagiannis and Tzouvelekas (2007) focused on assessing the impact of agricultural extension on farm production, and farmers’ adoption rate of the new technology disseminated by extension workers. Another study was conducted by Vogt and Tilburg (1988) to determine the level of satisfaction of cooperative extension workers. In the study the performance rating methodology was used to evaluate extension workers’ performance.
In Yemen, the agricultural extension services have been still largely the responsibility of the government through the ministry of agriculture. Over the last decade, extension service started experiencing some challenges due to socio-economic changes and agricultural sector reforms taking place in the country. The extension services were blamed for not having a clear performance evaluation for its extension workers (Al-Sharjabi and Vogelzang, 2000). In addition, agricultural extension leaders are actually aware of the difficulties and limitations of the agricultural extension system in adapting to change the agricultural and rural economy and rely on performance evaluation to guide the programme and personnel improvement.

As a result, an institutional analysis should assess the existing agricultural extension system and design improvements. Among other areas, attention should be paid performance of extension workers; mechanisms for improving work conditions and job satisfaction; identification of competencies and the reinforcement of commitment towards extension professions and organisations. Investigating relationships of these variables with performance will help in studying this phenomenon from being person-oriented where the main emphasises on the person, through focus on the job to being behaviour oriented where the main emphasises covers the job itself and the dimensions of work behaviour that were associated with given job as well (Welbourne, Johnson and Erez, 1998). In the recent past many studies have been dedicated to the exploration of work behaviours termed citizenship behaviour, job performance, job satisfaction, commitment and extra role behaviours in business and commercial organisations rather than agricultural extension and non-profit
organisations. Saari and Judge (2004) stated that linking statistically employee’s work behaviour and attitudes to business measures outcomes is one of the newest areas of research that assists with identifying important areas for survey action. In addition, McCaslin and Mwangi (1994) emphasised that continued and accurate staff evaluation is essential in improving extension workers’ performance, productivity and job satisfaction. Yusof (2003) quoted the former National Chief Secretary of Malaysia Tan Sri Dato’ Ahmad Sarji Abdul Hamid (1992) who cited that there are five main reasons behind assessing the employee’s performance. These are 1) to acknowledge employee’s successes and motivate them further; 2) to identify problem areas and find ways to solve personnel difficulties; 3) to reconcile employee’s ambitions with their potential; and 4) to help employees sort their priorities within the job so that they will concentrate their efforts where they are most needed.

However, in complex organisations it has often been difficult to measure individual performance, as work outcomes are a result of multiple interdependent work process (Borman, 1991). Consequently, job performance has been conceptualised as performance on specific dimensions such as the quality and the quantity of work (Meyer, Paunonen, Gellatly, Goffin and Jackson, 1989). In that sense, there is a need for carefully establishing a group of performance dimensions that might be used as parameters for extension worker’s performance measurement. Therefore, for the purpose of this study, the measurement of performance focused on the individual level which is represented by extension workers at this level through adapting and establishing a group of performance dimensions.
Job Performance

The term performance has been used with reference to individuals, groups, and organisations. According to Williams (1998), performance has been used as a synonym for output, efficiency, motivation individual productivity, organisational effectiveness, production, profitability, cost effectiveness, competitiveness and work quality. For example, Bernardin, Kane, Ross, and Johnson (1995) define performance as the record of outcomes produced on a specified job functions or activity during a specified time period. Bernardin et al. (1995) and Bernardin (1992) argue that a focus on results should be the preferred approach to performance management as it takes the customer perspective and enables employees’ efforts to be linked to organisational goals. Viswesvaran and Ones (2002) assert that the assessment of job performance dimensions has primarily relied either on objectives of specified acts, output maintained in organisational records or subjective judgement from raters. The job dimension should be always as a part of a performance scale (Welbourne et al., 1998).

Welbourne et al. (1998, pg.541) argued that one of the major limitations of existing models of job performance is that they “lack a unifying theoretical framework” and that “without a theoretical underpinning, there is little guidance for choosing which dimensions of performance …to include or exclude from a model”. Therefore, the choice of performance measure has long been a difficult issue facing researchers within the organisational field (Schoenberg, 2006).