

UNIVERSITI PUTRA MALAYSIA

COMMUNICATION VARIABLES THAT INFLUENCE JOB PERFORMANCE: A STUDY OF SUBJECT MATTER SPECIALISTS IN INDONESIA

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DOCTOR OF PHILOSPHY UNIVERSITI PUTRA MALAYSIA

1999



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Ву

ENISAR SANGUN

Thesis Submitted in Fulfilment of the Requirements for the Degree of Doctor of Philosophy in the Faculty of Modern Languages and Communication Universiti Putra Malaysia

December 1999



DEDICATION

This thesis is dedicated to my beloved:

Parents: Hj Raja Sangun

the late Raden Nurbaiti and Hjh Siti Rohani

Parents-in-law: the late Soedjijo B.A.

and Sri Ruminarti B.A.

Wife: Dr. Sriani Sujiprihati

Children: Diannisa Ikarumi

Vidya Nursolihati

Muhammad Arifyandi and Ayuni Nuramalina

Brothers and Sisters

FOR THEIR PATIENTS, MORAL SUPPORT, CONSTANT ENCOURAGEMENT AND PRAYER TO ALLAH S.W.T.



Abstract of thesis presented to the Senate of Universiti Putra Malaysia in fulfilment of the requirements for the degree of Doctor of Philosophy.

COMMUNICATION VARIABLES THAT INFLUENCE JOB PERFORMANCE: A STUDY OF SUBJECT MATTER SPECIALISTS IN INDONESIA

By

ENISAR SANGUN

December 1999

Chairman: Assoc. Prof. Hj. Musa Abu Hassan Ph.D.

Faculty: Modern Languages and Communication

Job performance of staff is one of the important issues in any organisation. However, previous studies showed that job performance of Subject Matter Specialists (SMSs) at the Assessment Institute for Agricultural Technologies (AIATs) and Local AIATs was very low. Poor communication has been cited as the major cause of the problem. As such this study was conducted to determine the important communication variables that influence job performance of SMSs.

A sample of 123 respondents were obtained to represent 178 SMSs at AIATs/Local AIATs throughout Indonesia using stratified random sampling procedure. A structured questionnaire was used as a research instrument and the mail survey method was used to collect the relevant data. The statistical techniques used to analyse the data were descriptive

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statistics, t-test, one-way ANOVA, Pearson's Product Moment Correlation and multiple regression.

The findings revealed that, in terms of credit points achieved, about one half of the respondents could be categorised as low performers. Credit points achieved had a significant positive relationship with four communication ability variables. Positive relationships were also found between cooperation dimension of job performance and three groups of independent communication variables, namely, communication abilities, motivational factors, and communication resources.

Two variables, the ability of SMSs to establish communication network and their ability to use communication technology, were found to be good predictors of credit points. The ability of SMSs to secure feedback from clients, the adequacy of support of technical staff, and the willingness of peers to help SMSs job were significant predictors of cooperation between SMSs and information sources.

To improve the SMSs' job performance, AIATs/Local AIATs should implement participatory approach on evaluating task achievement of SMSs, conduct seminars/workshops to allow SMSs to participate and improve their communication ability. Besides that, to improve cooperation between the SMSs and the sources of information, AIATs/Local AIATs should provide facilities such as transport and travel allowance for SMSs to secure accurate information from clients to improve local programmes. The support of qualified technical staff would greatly enhance the feedback process and this would in turn improve job performance of SMSs.



Abstrak tesis yang dikemukakan kepada Senat Universiti Putra Malaysia sebagai memenuhi keperluan untuk ijazah Doktor Falsafah.

PEMBOLEHUBAH KOMUNIKASI YANG MEMPENGARUHI PRESTASI KERJA: SATU KAJIAN DI KALANGAN PEGAWAI PAKAR TEKNIKAL DI INDONESIA

Oleh

ENISAR SANGUN

Disember 1999

Pengerusi: Prof. Madya Hj. Musa Abu Hassan Ph.D.

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Isu prestasi kerja di kalangan staf adalah penting dalam setiap organisasi. Walau bagaimanapun kajian lepas mendapati bahawa prestasi kerja Pegawai Pakar Teknikal (PPT) di Institut Pengajian Teknologi Pertanian (IPTP) dan Lokal IPTP adalah sangat rendah. Komunikasi yang lemah adalah sebagai penyebab utama masalah tersebut. Oleh itu kajian ini telah dijalankan untuk mengenal pasti pembolehubah komunikasi yang mempengaruhi prestasi kerja PPT.

Seramai 123 orang responden telah dipilih untuk mewakili seramai 178 orang PPT yang bekerja di IPTP dan Lokal IPTP di seluruh Wilayah Indonesia dengan menggunakan prosedur pemilihan secara rawak berstrata. Soal selidik berstruktur telah digunakan sebagai instrumen kajian dan kaedah tinjauan melalui pos telah digunakan untuk pengumpulan data. Teknik statistik untuk menganalisis data yang

digunakan adalah statistik deskriptif, ujian t, ANOVA sehala, korelasi Pearson dan multi-regresi.

Kajian telah mendapati bahawa separuh daripada PPT dikelaskan sebagai berprestasi rendah mengikut angka kredit yang dicapai. Angka kredit yang dicapai mempunyai perkaitan positif yang signifikan dengan empat pembolehubah bebas mengenai keupayaan berkomunikasi. Perkaitan positif yang signifikan juga didapati di antara "dimensi kerjasama" dengan tiga kumpulan pembolehubah bebas kajian, iaitu: keupayaan berkomunikasi, faktor-faktor motivasi dan sumber komunikasi.

Dua pembolehubah, iaitu keupayaan PPT untuk memantapkan jaringan komunikasi dalam tugas dan keupayaan menggunakan peralatan teknologi komunikasi merupakan prediktor yang baik bagi meningkatkan angka kredit yang diperoleh PPT. Keupayaan PPT untuk mendapatkan maklumbalas daripada pelanggan, sokongan yang cukup oleh staf teknikal dan kesediaan rakan untuk membantu kerja yang dibuat oleh PPT adalah prediktor yang signifikan untuk menjalin kerjasama di antara PPT dan pihak-pihak sumber informasi.

Bagi meningkatkan prestasi kerja PPT, IPTP/Lokal IPTP perlu menerapkan pendekatan partisipatif untuk menilai pencapaian tugas PPT, melaksanakan seminar/bengkel kerja bagi membolehkan PPT berpartisipasi, dan meningkatkan keupayaan berkomunikasi. Selain itu, untuk meningkatkan kerjasama antara PPT dan sumber informasi, IPTP/Lokal IPTP perlu menyediakan kemudahan seperti kenderaan dan elaun perjalanan bagi membolehkan PTP menilai maklumat yang tepat



daripada pelanggan untuk meningkatkan program lokal. Sokongan daripada staf teknikal yang memiliki kepakaran akan mempertingkatkan lagi proses penerimaan dan penyampaian maklum balas bagi meningkatkan prestasi kerja PPT.

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I certify that an Examination Committee met on 24 December, 1999 to conduct the final examination of Enisar Sangun on his Doctor of Philosophy thesis entitled "Communication Variables that Influence Job Performance: A Study of Subject Matter Specialists in Indonesia" in accordance with Universiti Pertanian Malaysia (Higher Degree) Act 1980 and Universiti Pertanian Malaysia (Higher Degree) Regulations 1981. The Committee recommends that the candidate be awarded the relevant degree. Members of the Examination Committee are as follows:

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Dean of Graduate School Universiti Putra Malaysia

Date: 1 1 MAY 2000

DECLARATION

I hereby 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 or concurrently submitted for any other degree at UPM or other institutions.

(ENISAR SANGUN)

Date:



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LIST OF ABBREVIATIONS

AATE - Agency for Agricultural Training and Education

AARD - Agency for Agricultural Research and Development

AIC - Agricultural Information Centre

AIAT - Assessment Institute for Agricultural Technology

Local AIAT - Local Assessment Institute for Agricultural Technology

BIMAS - Bimbingan Massal

Mass Guidance on Agricultural Production

BIPP - Balai Informasi dan Penyuluhan Pertanian

District Agricultural Information and Extension Centre

BPP - Balai Penyuluhan Pertanian

Rural Extension Centre

CASER - Centre for Agro Socio-Economic Research

FEW - Field Extension Worker

KANWIL - Kantor Wilayah

Regional Office of Agriculture (Representative of the Ministry)

MOA - Ministry of Agriculture

SMS - Subject Matter Specialist



CHAPTER I

INTRODUCTION

Agricultural development plays a very important role in the success of development in Indonesia, and it has contributed to the economic growth, supplying materials for food and industries and providing job opportunities. Such development is conducted through five-year Development Plan. The First 25 Year Long Term Development (1969-1994) was completed, and at present Indonesia is in the last of sixth Five Year Development Plan period (1994-1999). Sjarifudin (1994) mentioned that for the present development plan, agricultural development is more agribusiness-oriented in order to achieve an advanced agribusiness community.

The success of agricultural development achieved by Indonesia is a result of coordinated and hard work among parties involved in agricultural development. Among the parties concerned are research agencies, extension agencies, agricultural regulatory agencies (at national, regional and local levels), service institutions (for credit, farm input, etc), the government support services, local governments and the farmers themselves. One of the important activity conducted which has significant contribution to agricultural development is agricultural extension. Farmers and the agencies are known to have a specific and important role in

