

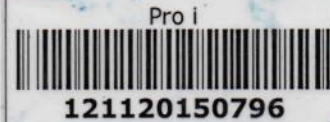
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PROCEEDING

International Seminar

THE ROLE OF VETERINARY SCIENCE
TO SUPPORT MILLENNIUM DEVELOPMENT GOALS
and

THE 12th ASIAN ASSOCIATION OF VETERINARY SCHOOLS CONGRESS



FACULTY OF VETERINARY MEDICINE
UNIVERSITAS AIRLANGGA



CERTIFICATE OF ATTENDANCE

This is to certify that

Bambang Sektiari Lukiswanto

AS SPEAKER

in THE 12th ASIAN ASSOCIATION
OF VETERINARY SCHOOLS CONGRESS

was held in JW Marriott Hotel Surabaya - Indonesia
September 4th - 6th, 2013

President of AAVS
Dean of Faculty Veterinary Medicine
Universitas Airlangga - Indonesia

Prof. Hj. Romziah Sidik., DVM., Ph.D.



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JW MARRIOTT HOTEL, SURABAYA-INDONESIA
4th - 6th SEPTEMBER 2013**

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UNIVERSITAS AIRLANGGA**

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REMARKS OF ORGANIZING COMMITTEE THE ROLE OF VETERINARY SCIENCE TO SUPPORT MILENIUM DEVELOPMENT GOALS

Dr. Dadik Raharjo, M.Kes, DVM.
Chairman

Ladies and Gentleman,
I have the honour of welcome delegates and speakers in International Seminar with the title "role of veterinary science to support milenium development goals" and highest ours appreciation for Your participation on this seminar.

The seminar will exchange information that we can carefully increasing the role of veterinary science to support development goals. Hopefully through this event will take advantage of the many opportunities to colloborative work between indonesia instituion and also with overseas institution.

On behalf of Organizing committe, I would like to express our sincere gratitude and thanks to all participant at this seminar international.

I hope that this program will be useful and enjoy during stay in Surabaya.

Best Regards



REMARK OF DEAN FACULTY OF VETERINARY MEDICINE UNIVERSITAS AIRLANGGA AAVS PRESIDENT

Prof. Romziah Sidik, Ph.D., DVM.

Bismillahi rochmanir rochim,
Assalamu'alaikum warochmatullahi wabarokatu.

Good morning Ladies and Gentlemen,
Welcome to Surabaya, East Java – Indonesia.

On behalf Faculty of Veterinary Medicine, Universitas Airlangga and Asian Association of Veterinary Schools, I would like to say thank you for the Excellencies: Rector Universitas Airlangga, The Director General of Livestock and Animal Health-Ministry of Agriculture-Republic of Indonesia: Ir. Syukur Iwantoro, MS), The Coordinating Minister for people's Welfare Republic of Indonesia: Dr. Agung Laksono; The OIE Sub Regional Representation for South-East-Asia delegates (Dr. Dirk Van Aken, Dr. Mary Joy Gordoncillo, Dr. Ronello Abila and Ms.Melada Ruengjumroonnath), the Presidents of SEAVSA (Dr. Srihadi agung Priyono) President of IVSA (Indonesian Veterinary School Association): Prof. Made Dhamriyasa, and all Deans of SEAVSA (South-East Asia Veterinary School Association) members, AAVS (Asian Association of Veterinary Schools: Japan, Korea, Taiwan, Indonesia, Malaysia, Thailand, Philippines, Mongolia, Vietnam, Myanmar, Lao and Cambodia) and IVSA (Indonesian Veterinary School Association), The President of Indonesia Veterinary Medicine Association: DVM.Wiwiek Bagja), Quarantine and Inspection Agency Commissioner of Korea: Prof Yong Ho Park), Secretary General and Asian Society of Zoo and Wild Life Medicine: Dr. Kimmura Junpei; All the invite speakers comes from: Faculty of Medicine, Faculty of Veterinary Medicine and Tropical Disease Center of Universitas Airlangga, Feed Technology and Nutrition, Research Institute for Animal Production,-Indonesia, College of Veterinary Medicine Murdoch University, Division of Molecular Medicine and medical Genetic, Department of Pathology, Kobe University, Universiti Putra Malaysia, Graduate School of Agricultural and life Sciences University of Tokyo Japan;

The honorable of all presenter and participants, also the sponsorships who are joint in the International Seminar with the themes:“The Role of Veterinary Science to Support Millennium Development Goals and the 12th Asian Association of Veterinary Schools Congress” during 2 days (5th-6th September 2013), which is Faculty of Veterinary Medicine of Universitas Airlangga as the hosted of the event.

Ladies and Gentlemen,

About 193 United Nation member states and at least 23 international organizations declared Millennium Development Goals (MDGs), and they have agreed to achieve the nine MDGs such as: eradicating extreme poverty and hunger, universal primary education, promoting gender quality, and empowering women, reducing child mortality rates, improving maternal health, combating HIV /AIDS, malaria and other diseases, ensuring environmental sustainability, and developing a global partnership for development.

Animal diseases which form an epizootic (Apthae epizootic, mad cows diseases) and or zoonotic like Avian Flu, SARS (Severe Acute Respiratory Syndrome), Salmonellosis, Brucellosis, tuberculosis, rabies are threat to global security warned by Director General of the Word Organization as well as World Animal Health Organization (OIE). These diseases have potentially disastrous consequences if it's not eliminates at their primary source. As we know that about systemic review of 1,415 pathogens are known about 61% infects humans.

To combat and fighting zoonosis diseases, Indonesia has launching the National Commission of Zoonosis Control under Coordinator Minister for people's Welfare Republic of Indonesia.

So, the Veterinary Medicine Schools in Asian country has responsibility to provide some courses in the curricula to achieve Day one competencies. Four pillars could be strengthening by Veterinary School such as: education system, research, public extension and or services, and collaborations. The quality assurance should be guaranteed by each Veterinary Schools. In the event of AAVS congress programs to produce and launch the Logo of AAVS, and the consequence to be added the logo profile and philosophy in AAVS by Law. The other program is to perform Veterinary school curricula and gap analysis. Therefore, Veterinary school curricula in Asian country could be standardized.

On behalf Organizing Committee, I would like to say thank you to Director Research and Public Community Services Board of Directorate General of Higher Education, Ministry Education and Culture Republic of Indonesia, The OIE SRR SEA, Faculty of Veterinary Medicine Universitas Airlangga, IVSA, and the sponsorships from veterinary industries for supporting finance that the event become perform by successfully.

Ladies and Gentlemen,

Again, I would like to say thank you for your participative to the event, and please follow and enjoy the programs as well as your visit in Surabaya by happiness.

Billahi taufik wal hidayah, Wassalamu'alaikum warohmatullahi wa barokatu.



REMARKS OF RECTOR OF UNIVERSITAS AIRLANGGA
Prof. Dr. H. Fasich, Apt.

Assalamu'alaikum Warahmatullahi Wabarakatuh

First of all, let us pray to Allah SWT that because of His blessings we are able to be here in this very important event.

Secondly, I would like to say to all participants: Welcome to Surabaya, East Java, Indonesia! It is indeed a great honour for me to have the opportunity to be among the participants of this very special occasion, where all of us are going to have in-depth discussion about a very important and interesting topic closely related to veterinary science and the millennium development goals as a way to increase the quality of human health.

Indonesia's Millennium Development Goals (MDGs) are based on the eight international development goals that were officially established following the Millennium Summit of the United Nations in 2000, one of touches on the effort to combat wide-spread diseases such as HIV/AIDS and diseases transmitted by animals such as malaria, avian flu, swine flu, and so forth, which could be a serious threat to global security and human development.

Therefore, concerns over these MDGs from the point of view of veterinary science, especially among the researchers, have to be raised these day. There are numerous recent for conducting scientific research and other scientific activities to bring the MDGs to a success.

In this very special event, I would like to express my deepest appreciation to all members Asian Association of Veterinary Schools for their success in conducting better and better collaborations. Such collaborations are a pre-requisite for all efforts in improving performances, including the standardization of veterinary curricula in the ASEAN region and among Asian countries, in controlling the spread of zoonosis, and in developing and improving bio safety, bio security, surveillance, animal health and animal production.

I strongly believe and hope that this seminar and congress will be able to strengthen the existing networks that occurred among all the members of the association, as the main step in the eradication and prevention of infectious diseases, especially once that are related to animals, to support the Millennium Development Goals.

To all participants, I would like to thank you very much for coming to this forum. And to the organizing committee, I would like to give my sincerest appreciation for their wonderful job and hardwork in organizing this event.

I hope the seminar and the congress will be fruitful to all of use and lastly, please enjoy your stay in Surabaya.

Thank you very much,

Wassalammu'alaikum warahmatullahi Wabarakatuh.

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IDEAL MANAJEMEN SYSTEM FOR THE FEASIBILITY RANCH PUREBRED CATS (Cattery) IN SURABAYA, SIDOARJO AND GRESIK

RatnaWidyawati¹⁾, KoesnotoSupranianondo²⁾, BambangSektiani L,³⁾

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ABSTRACT

This study was aimed to investigate the factors affect the management system of a business feasibility cattery with a basic overview that includes systems management and business analysis. Data was obtained from direct observations and interviews by using questionnaires, technical documentation and interview techniques analyzed data. First performed business analysis calculated the value of revenues, profit and loss, BEP (break even point), B/C ratio and PP (payback period). From the results of this analysis could be separated business was feasible and worth less effort, and then with the data management system was analyzed questionnaire data used Multidimensional Scaling (MDS). The results showed that the factors that strongly support the feasibility were building cattery, room temperature, enclosure materials and the use of feeding protein feed for adult cats. Factors of management system must be revised due to lack of support were the marketing and veterinary nurses and cleanliness. Ideal manajemen system in Surabaya, Sidoarjo and Gresik attempt by reviewing all of the factors were found above.

Key words: cattery, business analysis, multidimensional scaling (MDS)

INTRODUCTION

Many people in this world that has cats, including people in Indonesia. Same with the other animals, cats also have a long history in the course of his life. Not known exactly where the cat began domesticated.

Relationship between humans and cats suspected since 8000 BC when human lives are still wandering (moving), began to settle and farm. Another phenomenon relates that around 4000 BC people living along the Nile began to live by farming. This situation makes feral cats began to try to live closer to humans and lived in an agricultural area in hopes of getting the rest of the food. This is reinforced by evidence in humans with cat found grave on the island of Cyprus is expected to be buried in the year 6000 BC. The cat bone was found buried in Jericho in 2000 BC (Susanty, 2008).

In Indonesia, cat is one of the many animals are kept as a hobby. (Diah, et al. 2010). Most of those cats as pets and included contests (Cat show). Cats are generally selected benign type of cat behavior and easy in

maintenance such as type of Persian cat.

According Sembiring (2009), entrepreneurial spirit is very important to ensure the welfare of the Indonesian people. Many countries are largely focused on the micro economy as a solution to get out of the financial crisis. Development that is independent for the prosperity to improve the welfare of the people and make people more independent. The essence of entrepreneurship is the ability to create something new and different through creative thinking and innovative. One of the efforts of creative and innovative in the world of farming in particular small animal or pet animal is a cat raising purebred (pedigree) or called cattery. In contrast to ten years ago, when the cat breeding business has considerable economic potential (Seiawaty B, 2011).

According to Kashmir (2010) to get the maximum results in the farming business needed a good management system. Elements in management are man, money, method, machine, market, material, and information. Elements that determine the production management among other animals such as

strains, human resources, maintenance systems, cage systems, biosecurity, and the vaccine should be used as much as possible to achieve the planned objectives of the company.

At this time, most of the farm cats (cattery) in the area of Sidoarjo, Surabaya and Gresik not perform calculations related to business analysis management system that needs to be done a business analysis regarding the cattery business.

This study will identify factors of eligibility management system affect a cattery business on the basis of a review which include management and business analysis. Management system includes planning, human resources (HR), cage systems and system maintenance. Business analysis includes income, profit and loss, BEP (break even point), B / C ratio and PP (payback period).

MATERIALS AND METHODS

Location and Time Research

The research was conducted on several cattery in Sidoarjo district, Surabaya and Gresik for one month, starting on 1 to 31 January 2013, with the secondary data taking in July to December 2012.

Populations, Samples, Large samples and Sampling Techniques

In this study used four populations are breeding purebred cat (cattery) as samples in the area of Sidoarjo district, Surabaya and Gresik. Sampling technique was purposive sampling model.

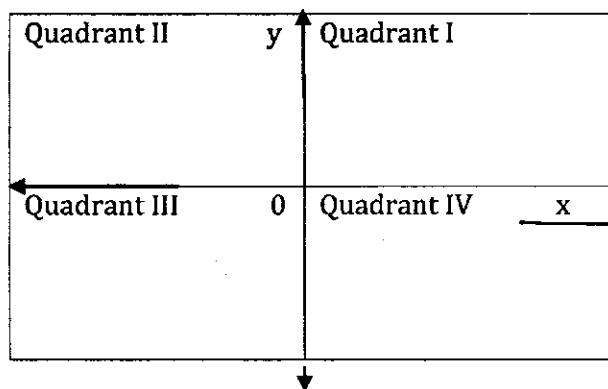
Materials Research

Primary and secondary data on the management system and all expenses for the business use cattery.

Data analysis

Cattery business analysis tested using the calculation: revenue, profit and loss, the benefit cost ratio (B / C Ratio) / benefit ratio and cost, payback period (PP) or payback period and break even point (BEP). Data analysis is used to determine the relationship of factors of business management systems for the feasibility of the cattery is the Multidimensional Scaling (MDS).

MDS readings here by quadrant which can be seen in the images MDS. Quadrant of the mean results are very good (favor), in this quadrant if the value of the abscissa (x-axis) and the ordinate (y-axis) greater (away from zero), then the result will be better (support). Quadrants two and four means good results (still considered).



RESULTS AND DISCUSSION

Quadrant two is said the better if the value of the abscissa (x-axis) lies in the value of zero and the value of the ordinate (y-axis) greater (away from zero). Quadrant four said good if the value of the abscissa (x-axis) the greater

(away from zero) and the value of the ordinate (y-axis) lies in zero value. Quadrant three bad results (to be fixed), is said to be on the ugly quadrant if the value of the abscissa (x-axis) and the value of the ordinate (y-axis) is the same - the same value away from zero.

Results of measurement indicators on management system

Management System Indicator	Respondents			
	I	II	III	IV
Plan				
Certified seed	5	5	5	5
Cattery building	5	5	4	4
Sanitation	4	4	4	4
Marketing	1	4	3	4
Finance	1	1	4	1
Human Resources				
Manajer	1	1	1	1
Veterinary nurses and health	1	4	5	4
Admin	1	1	1	1
Security	1	1	1	1
Medical	2	2	2	2
Cage				
Temperature	2	5	3	5
Materials enclosure	2	5	4	5
Hama	4	2	3	2
Maintenance				
Cleaning	5	5	5	5
Feeding	3	5	4	4
Levels of Protein Feed Adult Cats	5	5	4	5
Levels of Protein Feed Kitten	5	5	5	5
Levels of Protein Feed Cats Pregnant / Lactation	5	5	5	5
Feeding cats per adult / day	5	5	5	5
Feeding cats per pregnancy / lactation / day	4	5	5	5
Worms drug	4	5	4	4
Vaccine	4	5	5	5
Fungus diseases and lice	3	2	2	2
Disease virus (rhinotracheitis, Calici, panleukopenia)	4	2	4	5

Sources: Answer of respondents (2012)

Description: Score 1 = Poor, 2 = Less good, 3 = Pretty good, 4 = Good, 5 = Very well

Analysis of the calculation results ranch purebred cats (cattery)

	Respondent I (Rp)	Respondent I (Rp)	Respondent III (Rp)	Respondent IV (Rp)
Selling price / cats	12.000.000	10.000.000	15.000.000	10.000.000
Revenew/year	12.000.000	180.000.000	60.000.000	47.000.000
Profit /Loss/year	- 13.187.900	89.154.001	-21.095.000	12.972.572
BEP (Rupiah)	25.187.900	5.046.999	20.273.750	8.506.857
BEP (Unit)	2	9	5	3
BC/Ratio	0,4	1,9	0,7	1,3
PP/year	44	1,5	29	3

Source: processing of data from interviews (2012)

Business Analysis Results: Respondents II and IV feasible, namely Surabaya.
Respondents I and III are not feasible, the area of Sidoarjo and Gresik

Evaluation of Multidimensional Scaling (MDS)

MDS results of the management system Respondents II and IV

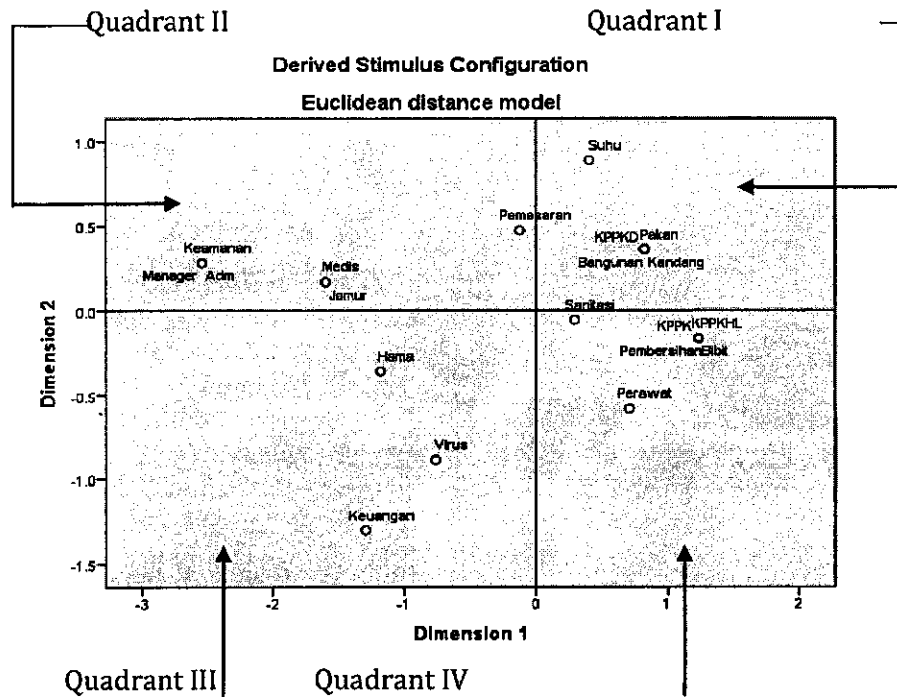


Figure 5.1. MDS results from the cattery management system as seen from the analysis of a viable business, the Surabaya area.

- Description: Quadrant I: Area Positive – Positive
- Quadrant II: Areas of positive – negative
- Quadrant III: Areas negative – negative
- Quadrant IV: Areas negative - positive

Respondents I and III, seen from the results of the analysis are not feasible cattery business

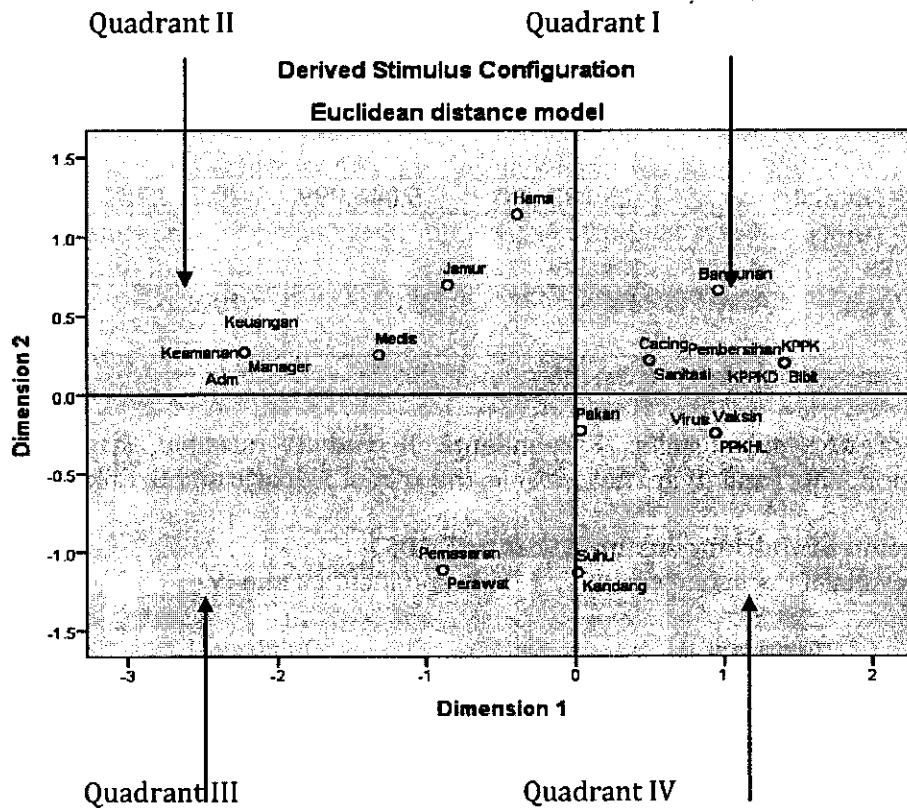


Figure 5.2. MDS results from the cattery management system as seen from the results of the analysis have not been worth the effort, which is the area of Sidoarjo and Gresik.

Description:

Quadrant I: Area Positive - Positive

Quadrant II: Areas of positive - negative

Quadrant III: Areas negative - negative

Quadrant IV: Areas negative - positive

CONCLUSION

Ideal management system on the cattery in the area of Surabaya, Sidoarjo and Gresik is determined by viable or not like the business, while the cattery business feasibility is determined by factors in the management system. At a decent cattery business in Surabaya, factors that strongly support the feasibility of the business is the cattery building, room temperature, and cage material feeding and discharging levels of protein feed for adult cats. In the cattery business that has not been feasible in the Sidoarjo and Gresik, factors that management system should be improved because of lack of

support from management is the marketing system as well as veterinary nurse and cleanliness

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