

THE SOCIOECONOMIC DETERMINANTS OF FOOD CONSUMPTION PATTERN OF RURAL HOUSEHOLDS IN INDONESIA

Andi Tenri Fitriyah¹

Universiti Sains Malaysia, 18100 USM Pulau Pinang, Malaysia.
Email: tenrifitriyah68@yahoo.co.id

ABSTRACT

The objective of improving the quality of human resource is closely related to food and nutritional factors. The sufficiency level of food and nutrition depends on the quantity, the quality and the variety of the food and nutrition prepared and eaten. This issue is in line with the policy of the (Indonesian) government which aims to develop a food security system based on the diversification of food resources. The objective of this study is to identify the influence of social factors and economic factors on the food consumption pattern of rural households, and to analyse their food consumption pattern based on their nutritional status. The location of this study is limited to the district of Bontoa Kabupaten Maros, South Sulawesi, Indonesia. This study has derived four important conclusions. First, consumption of protein by poor households in the study area is low compared with the recommended protein sufficiency standard (50 gm/cap/day) and the food security limit (37.5 gm/cap/day). Second, the level of energy consumption in the study area is lower than energy sufficiency standard, that is, 1.650 kkal/cap/day. Third, the group of food consumed by rural household does not meet the norms of the Pola Pangan Harapan (PPH). This has resulted in the ratio of energy consumption of every food group not meeting the normative ratio recommended by the PPH. Fourth, this study found that the education of the household mother, knowledge of nutrition, access to information, and employment opportunities of rural households clearly influence their food consumption pattern. Per capita income and price of rice also have a clear influence statistically. The result of the regression analysis shows that the specification of the dependent and independent variables in the study model can be accepted as accurate. Together as a group, all the independent variables in the model have an influence on the dependent variable. The coefficient of determination (R^2) shows that all the 14 independent variables are capable of explaining the total change in the dependent variable.



The 3rd International Conference on Multidisciplinary Research 2014

The Conference is jointly organized by
Universiti Islam Sumatera Utara (UISU) Medan,
Universiti Syiah Kuala (UNSIK) Banda Aceh
and the Schools of Distance Education,
Universiti Sains Malaysia (USM) Penang, Malaysia.



CMR2014

INTERNATIONAL CONFERENCE ON
MULTIDISCIPLINARY RESEARCH

Islamic University of North Sumatra
16 - 18 October 2014

GUIDEBOOK

INTRODUCTION

In the name of Allah, the Most Gracious, the Most Merciful

Praise be to Allah, the Lord of the universe.

To begin with, we would like to express our gratitude to Allah SWT for His blessings and everything given to us so that the abstract compilation of the International Conference on Multidisciplinary Research (ICMR) 2014 could be done well. The articles are from various countries: Indonesia, Malaysia, Singapore, Thailand, Phillipine, USA, India and Pakistan.

The conference is conducted based on a Memorandum of Understanding of three universities; UISU, Unsyiah, and USM. The first conference was held at USM Penang, Malaysia in 2012, the second at Unisyah, Banda Aceh in 2013, and the third at UISU, Medan in 2014.

“Through International Seminar We Build Synergism among Various Fields of Science and Technology for the Betterment of Human Life”, is the theme of the conference, categorized into:

1. Bio-Science, 2. Applied Social-Science, 3. Pure Social-Science, and 4. Engineering.

This compilation consists of four abstracts of Keynote Speakers, two of Special Presenters, of all other participants, and seven Posters. Schedule of the seminar sessions are also included.

Medan, October 2014

Chairman,



Prof. Drs. Jumino Suhadi, M.A., Ph.D

WELCOME SPEECH BY THE CHAIRMAN OF ICMR 2014

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Assalaamu 'alaikum wa good morning.

Alhamdulillahilahi wabidduhu lina syarikikalah, washolaatu wasolaamu 'ala rasulillah.

- The respected chairman of the Patron of the Foundation of the Islamic University of North Sumatra, Medan, your Excellency H. Tengku Hamdy (Gubernur Aceh)
- The respected chairman of the executive of the foundation of the Islamic University of North Sumatra, Prof. Dr. Zamuddin, M.Pd.
- The respected Coordinator of Private Universities Region I North Sumatra, Prof. Dian Armanto, Ph.D.
- The respected Rector of the Islamic University of North Sumatra Dr. Mhd. Yusuf and all his Assistants.
- The respected Rector of Unsyiah Prof. Dr. Syamsul Rizal and his staff.
- The respected Dean of School of Distance Education, UISN Malaysia Prof. Whostah Juri Wahdi and all the staff.
- The honourable guests and participants of the conference.
- The Organizing Committee, ladies and gentlemen.

On behalf of the Organizing Committee of this conference, we would like to express our warm welcome to you all in this important occasion, the International Conference on Multidisciplinary Research 2014 in UISN Medan. We feel proud to host this conference because it has larger number of participants compared to the First ICMR 2012 in UISN Penang Malaysia and the second ICMR 2013 in Unsyiah Banda Aceh. More than two hundred abstracts from seven different countries have been sent to the committee of this conference and more than 250 participants have been registered. Therefore, we feel obliged to express our high appreciation and respect to a number of people who have made a great deal of contribution to make this seminar successful.

1. First, we express our gratitude and appreciation to the Coordinator of Private Universities Region I North Sumatra, Prof. Dian Armanto, Ph.D for his supports to attend this conference to make it more successful. And further, we request your pleasure to officially open this seminar.
2. Secondly, we express our gratitude to the Rector of UISN Dr. Mhd. Yusuf, M.Si for his invaluable ideas and continuous patronage to the committee so that this seminar could be held successfully.
3. Further, we would like to express our deepest appreciation and thanks to the keynote speakers and special presenters in this conference.
4. Next, warm welcome and respect are presented to all the distinguished guests who have supported this conference, whom we cannot specify one by one. Your coming to this conference has made it more meaningful.
5. Last but not least, our respect and appreciation are, of course, due to the Organizing Committee and all the participants of this conference. For without your contribution, this conference will not gain a success.

Dear Distinguished Guests, ladies and gentlemen.

This conference is being managed by a very wonderful team who have heartfelt sincerity, dedication and commitment to work hard day and night to make this conference a great success. The theme chosen in this third conference is: *Through International Conference We Build Synergism among Various Fields of Science and Technology for the betterment of Human Life*. It is expected that this third conference will build synergism among various fields of science and technology for the betterment of human life; therefore, the Committee expect all the participants to actively share ideas to achieve fruitful results in the form of problem solver for improving the quality of human life.

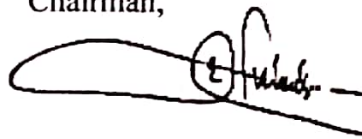
This conference is held at a three-star hotel "Madani Hotel Medan" which represents the local culture from the atmosphere as well as from the culinary service. This venue is considered the most fascinating site as it is located at the city center of Medan, in front of Sultanage Grand Mosque (Masjid Raya Medan), and in front of Sri Deli Park, beside Yuki Super Market, and beside "Pujasera Food Court". The upshot of all our efforts and hospitality is expected to make all the participants feel at home and impress with beautiful memories in North Sumatra.

Finally, we feel indebted to express our thanks to all the participants of this conference and in particular all the members of the Organizing Committee who have brought this conference into a real existence and a great success. And lastly, we offer our humble apologies for any shortcomings throughout this conference and also for any inconvenience that you might experience in this city; be it related to our treatment or concerned with the meals which do not suit your taste.

May Allah the Almighty bless us now and forever. Thank you.

Wabillaahi taufiq wal hidayah, wassalaamu 'alaikum warohmatulloohi wabarokaatuh.

Chairman,



Prof. Drs. Jumino Suhadi, M.A., Ph.D.
Organizing Committee of ICMR 2014

**OPENING SPEECH BY THE RECTOR OF
THE ISLAMIC UNIVERSITY OF NORTH SUMATRA MEDAN**

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Alhamdullillah! robbil 'alamiin, washsholaatu wassalaamu 'alaa sayyidinaa Muhammadin wa' alaa aalihii washohbihii ajma' ilin. 'Ammma ba'du.

- The respected chairman of the Patron of the foundation of the Islamic University of North Sumatra, Medan, your Excellency H. Tengku Hamdy Osman Delikhan Al-Hajj .
- The respected chairman of the executive of the foundation of the Islamic University of North Sumatra, Prof. Dr. Zainuddin, M.Pd.
- The respected Coordinator of Private Universities Region I North Sumatra, Prof. Dian Armanto, Ph.D.
- The respected Rector of Unsyiah Prof. Dr. Syamsul Rizal and his staff.
- The respected Dean of School of Distance Education, USM Malaysia and all the staff.
- The honourable invited guests and participants of the conference.
- The Organizing Committee of this Conference, ladies and gentlemen.

On behalf of the Islamic University of North Sumatra Medan, it is a great pleasure for us to welcome you all, distinguished guests, keynote speakers, special presenters and other presenters, participants and the organizing committee to this International Conference on Multidisciplinary Research 2014 in UISU Medan. Further, we would like to express our pride to be with all of you here in Medan. Welcome to Medan. As host, we try our best to offer you our warmest welcome and sincere hospitality so that your stay in this magnificent city will leave you beautiful memories and impressions.

In this precious occasion, I would also like to express my high appreciation to the designer of the program of the cooperation of three outstanding universities UISU, USM and Unsyiah to jointly hold ICMR (International Conference on Multidisciplinary Research). We realize that this scientific activity conveys multiple benefits. First, it gives credits to the respective institution to implement its main mission to spread science and technology to the stakeholders and the society. Secondly, it gives credits to all the participants as opportunities to present papers in a conference of international level are widely open. Thirdly, this conference is also useful to build healthy competition in holding international conference in the three universities; besides, this is also useful to build mutual understanding among the participants from various different countries.

The theme of this third conference has been carefully chosen namely: *Through International Conference We Build Synergism among Various Fields of Science and Technology for the betterment of Human Life*. It is expected that this third conference will be a platform for academicians to share their findings and build a bridge for the synergism among various fields of science and technology for the betterment of human life; therefore, this conference should become a platform not only to nurture multidisciplinary research results but also for consolidating the strengths in the respective research areas because the combined expertise is required to solve problems effectively.

Referring to the success of the first conference in USM last two years as well as the second conference in Unsyiah Banda Aceh last year, we hope this third conference

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will reach a greater success. Finally, we hope the fruitful steps that we have undertaken will make this world peaceful and prosperous not only for its current dwellers but also for generations to come.

Finally, I would like to express my thanks to all the participants and the Organizing Committee who have made this conference successful. We also offer our heartfelt apologies for any inconvenience that you might undergo in this conference.

May Allah the Almighty bless us all in this conference. Thank you.

Billahi taufiq wal hidayah, wassalamu 'alaikum warrahmatullahi wabarakatuh.

Madinah, 14th October 2014

Dr. Is. Mub. Anas, M.Si



Dr. Is. Mub. Anas, M.Si