



POLITEKNIK KESEHATAN MEDAN

PROCEEDING CHALLENGES, STRATEGY AND HEALTH TREATMENT APPROACH TO NUTRITION AND MOLECULAR EPIDEMIOLOGY

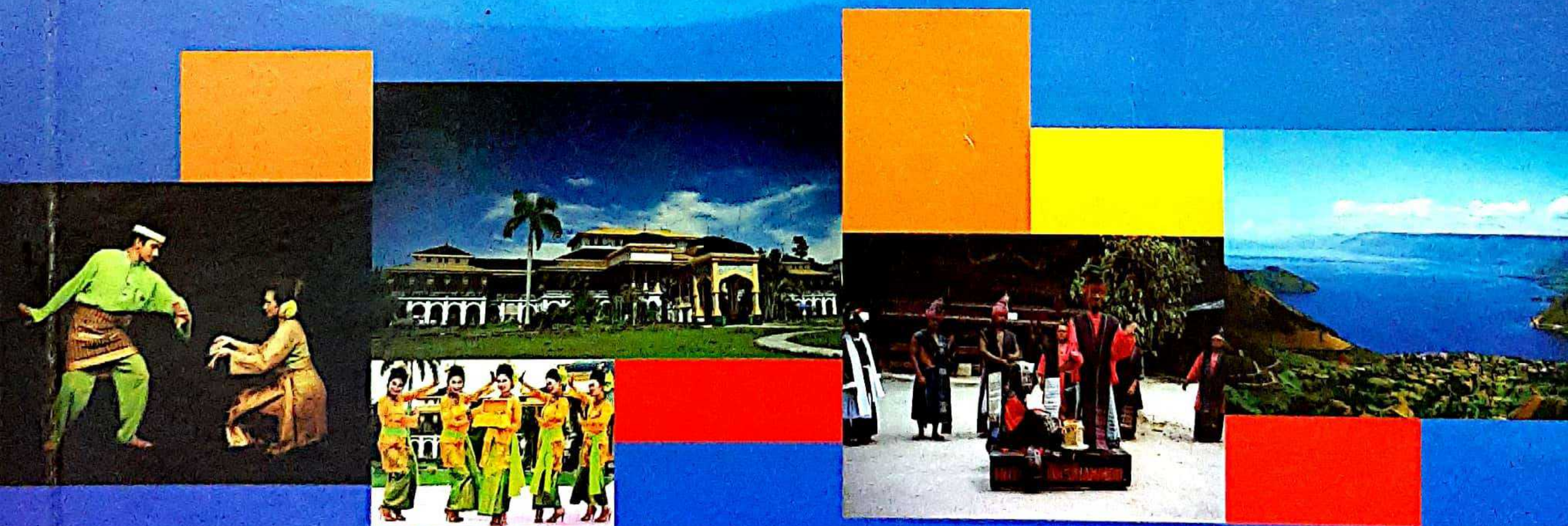


STIKESSU
Sekolah Tinggi Ilmu Kesehatan Sumatera Utara



INTERNATIONAL SEMINAR

POLYTECHNIC HEALTH MINISTRY OF MEDAN
WITH
STIKES SU, STIKES NAULI HUSADA AND STIKES RS. HAJI MEDAN



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INTERNATIONAL SEMINAR

**CHALLENGES, STRATEGY AND HEALTH TREATMENT
APPROACH TO NUTRITION AND MOLECULAR
EPIDEMIOLOGY**

Organized by :

**HEALTH POLYTECHNIC OF HEALTH MINSITRY MEDAN
INSTITUTE OF HEALTH SCIENCE OF SUMUT MEDAN
INSTITUTE OF HEALTH SCIENCE OF NAULI HUSADA MEDAN
INSTITUTE OF HEALTH SCIENCE OF HAJI MEDAN**

AND

**UNIVERSITY OF PHILIPPINES, BURAPHA UNIVERSITY, NATIONAL
EPIDEMIOLOGY NETWORK (JEN) AND PADJAJARAN UNIVERSITY (UNPAD)**

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1. The Chairman of Indonesian Agency For Development And Empowerment Human Resources Of Health
2. Health Department Head of the North Sumatra Province
3. All the Directors of Indonesian Health Polytechnic of Health Ministry
4. Joshua Ares Marcos, MD.DPAFP, MSc.,MPH,PhD (University of Philippines)
5. Prof. Dr. Aporn Deenan (Associate Dean For Research and academic affairs Burapha University)
6. Prof. dr. Bhisma Murti, MPH, MSc, Ph.D (Chairman of National Epidemiology Network (JEN) and Chairman of Community Health Magister of Sebelas Maret University)
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8. Prof. Dr.dr. Bidasari Lubis SPA
9. The Chaiman of all Health Institute in North Sumatra Province
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11. The Directors of Haji Adam Malik Center General Hospital dan dr.Pirngadi General Hospital
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WELCOME SPEECH OF DIRECTOR



Wassalam / Good Morning

The honorable guest/ The Indonesian Agency For Development And Empowerment Human Resources Of Health....drg.Usman Sumantri, M.Kes

Guest of honour/ Director of Medan Health Polytechnic of Health Ministry

Guest Of Honour/ Health Department Head of the North Sumatra Province

Guest of honour/ All the Directors of Indonesian Health Polytechnic of Health Ministry

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Excelency / The Lectures and all Health Students

Excelency/ all steering committee

Colleagues

Ladies and Gentleman

Good morning to everyone and thank you so much for joining us in International seminar.

I wish to extend a warm welcome to our eminent speakers and delegates from the various country such Thailand and Philippines, and Speakers from JEN and UNPAD (Padjajaran University). Welcome to Medan that is one the best provincè of Indonesia. We are delighted and honored to have you all here with us to participate and share an important and valuable information to improve the quality of our health and life.

Nowadays, the development of science, especially in the health field occur very rapidly. The development of health in terms of epidemiology and biomolecular also experienced substantial

increases associated with the emergence of more and more different kinds of diseases, especially cancer.

If the growth is not cancerous quickly stopped and treated and untreated, the cancerous growth will be very dangerous, and can spread to organs throughout the body called metastasis. The theme of this seminar is "Challenges, strategy and treatment of health problem with nutrition and molecular epidemiology approach".

The theme highlights the overall description challenges, strategies and treatment of health problem through nutrition and molecular epidemiology and all this overview will help us to improve health and prevent the disease.

At this special moment, I wish to take opportunity to say thank for all committee members and all those who have contributed their best effort in making this seminar succeed.

I would like to thank the The Agency For Development And Empowerment Human Resources Of Health, director of Health polytechnic of health ministry Medan, North sumatera institute of health science (Stikes sumut) Nauli husada institute of health science and Haji institute of health science for the best support in making the seminar possible.

I would like to thank all the distinguish speakers and reviewers for abstracts and posters that has submitted to this seminar.

Last but not least, I would also like to thank to all participant for your participation and support for this seminar. Thank you very much for coming and your kind attention.

Thank you.....

REPORT SPEECH OF COMMITTEE CHAIRMAN



Wassalam / Good Morning

The honorable guest/ The Indonesian Agency For Development And Empowerment
Human Resources Of Health....drg.Usman Sumantri, M.Kes

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Guest Of Honour/ Health Department Head of the North Sumatra Province

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Sebelas Maret University : Prof. dr. Bhisma Murti, MPH, MSc, Ph.D, Prof.Dr.dr.

Nurhalim Sahib from Padjajaran University (UNPAD).

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The theme of this seminar is “ Challenges, strategy and treatment of health problem with nutrition and molecular epidemiology approach”.

The Purposes of this seminar are :

- a. To increase understanding of current health problems (cancer) in the light of biomolecular
- b. To give awareness for prevention of cancer
- c. To give information and education about the prevention and treatment of cancer

The Speakers of this seminar are :

1. University of Philippines : Joshua Ares Marcos, MD.DPAFP, MSc.,MPH,PhD
2. University of Burapha Thailand ; Prof. Dr. Aporn Deenan. (Associate Dean For Research and academic affairs Burapha University.
3. Chairman of National Epidemiology Network (JEN) and Chairman of Community Health Magister of Sebelas Maret University : Prof. dr. Bhisma Murti, MPH, MSc, Ph.D
4. Prof.Dr.dr. Nurhalim Sahib from Padjajaran University (UNPAD)
5. Indonesian Cancer Foundation of North Sumatera area
6. Physics practitioner from Murni Teguh Memorial Hospital and chairman of Indonesian medical physics in Sumatera: Ikhsan Bagatondi, ST, MSi.

The Activity of seminar are :

- 1.Oral Presentation with audio-visual methods by article
- 2.Panel Discussion between participants and speakers.
- 3.Poster Presentation by Article

Participants

- a.Students of health academy in North Sumatra
- b.Health workers (doctors, nurses, midwives, etc.)
- c.General participants

And amount of all participants are one thousand and six hundreds (1600) persons.

At this special moment, I wish to take opportunity to say thank for all committee members and all those who have contributed their best effort in making this seminar succeed.

I would like to thank the The Agency For Development And Empowerment Human Resources Of Health, director of Health polytechnic of health ministry Medan, North sumatera institute of health science (Stikes sumut) Nauli husada institute of health science and Haji institute of health science for the best support in making the seminar possible.

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Last but not least, I would also like to thank to all participant and delegates for your participation and support for this seminar. Thank you very much for coming and your kind attention.

At last, I encourage all delegates and participants to participate actively in this seminar including oral presentation and poster and I wish we will have a very productive, successful and meaningful seminar.

Thank you

POSTER LIST PRESENTER

NO	TITLE	PRESENTER	ORGANIZATION
1	The Knowledge Of Teenage Girls On Cervical Cancer	Erlin Puspita	Health Polytechnic Jakarta I
2	Identification Of Native Plants Use As Traditional Medicine In District Central Kalimantan Province	Asih Rusmani	Health Polytechnic Kalteng
3	The Effect Of Family Psychoeducation Therapy Toward The Parent's Ability To The Mental Retardation Child Independency In Slbn-1 Palangka Raya	Syam'ani	Health Polytechnic Kalteng
4	Factors Related To Exclusive Breast Feeding In Puskesmas Bukit Hindu Palangka Raya City Central Borneo 2012	Berthiana dkk	Health Polytechnic Kalteng
5	Sexual Adjustment In Patients Diabetes Mellitus	Dina Indarsita dkk	Health Polytechnic Medan
6	ANTIBACTERIAL EFFECT TEST OF RED BETEL LEAF (<i>PIPER CROCTUM RUIZ & PAV.</i>) THE GROWTH OF <i>STAPHYLOCOCCUS AUREUS</i> BACTERIA	Amriani dkk	Health Polytechnic Medan
7	Woman's Knowledge And Attitudes About Participation In The Investigation IVA Test (Visual Inspection Of Acetic Acid) In Dusun IV Desa Tengah Pancur Batu Sub-District Deli Serdang Regency 2014	Suswati, Yulina, Dewi M	Keb Medan
8	Menyirih Habits Relationship With Susceptibility Of Oral Health Perceived Communities In Kelurahan Lau Cih Medan Tuntungan 2015	Etty S dkk	JKG
9	Test Different Seeds Tamarind With Cloves In Lowering Ohi-S On The Students Of Smk Yoshua Medan Medan Perjuangan Subdistrict 2015	Adriana H dkk	JKG
10	A CORRELATION OF KNOWLEDGE AND ATTITUDE OF MOTHER IN PROVIDING THE COMPLEMENTARY FOOD OF BREAST MILK TO THE BABY IN AGE 0-6 MONTH AT SEKIP RURAL VILLAGE	Yenni Z dkk	Gizi
11	The Effect Of Olive Oil (<i>Olea Europeae</i>) Concentrations On Sun Protection Factor (Spf) Value Of Sunscreen Cream In Combination With Avobenzone And Octyl Methoxycinnamate <i>In Vitro</i>	Maizatun dkk	Farmasi USU
12	Evaluation Of Antibiotic Dose Appropriateness In Patients With Chronic Renal Failure In Haji Adam Malik Hospital Medan On Period January – June 2014	Maya Natalia dkk	Farmasi USU
13	Study Antimicrobial Activity Of Ethanol Extract Curry Leaves (<i>Murraya Koenigii</i> L. Spreng) Against <i>Staphylococcus Aureus</i> And <i>Escherichia Coll</i>	Panal Sitorus dkk	Farmasi USU

FACTORS RELATED TO EXCLUSIVE BREAST FEEDING IN PUSKESMAS BUKIT HINDU PALANGKA RAYA CITY CENTRAL BORNEO 2012

Berthiana T¹, Santhy K. Samuel², Tri Ratna Ariestini³

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²Nursing Lecturer at Poltekkes Kemenkes Palangka Raya

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ABSTRACT

Backgrounds: The amount of baby that has given exclusive breast feeding in Central Borneo in 2009 is 21.032 (41,05%) from total 51.241. In Palangka Raya, there are 645 babies (12,82%) has given exclusive breast feeding. This data is not clearly confirm, is mother has only give breast feeding for posyandu that continuesly and actively give health education about the utility of exclusive breast feeding. In January untill May 2012 the amount of mother that give exclusive breast feeding is 32 person. The problem is "Is the mother give exclusive breast feeding to the baby without added another food and the factors related to the exclusive breast feeding". This research aims to know the factors related to exclusive breast feeding in Puskesmas Bukit Hindu, Palangka Raya, Cental Borneo.

Methods: analytic descriptive research, cross-sectional design research. The population is post partum and breast feeding mothers in Puskesmas Bukit Hindu, Palangka Raya, Central Borneo. The amount is 50 breast feeding mothers. Instrument of the research is quesioner.

Results: The youngest is 18 years and the oldest is 46 years, the averages (mean) is 27,86 years, median 28 years. The occupation of respondents is 39 mothers (78%) as housewife. The last education is highschool as much as 23 mothers (46%). The ethnic of respondents is Banjar as much as 16 mother (32%). The result of chi square analysis, there is no relationships between mother's characteristic (ages, education and occupation) and attitude with the exclusive breast feeding in Puskesmas Bukit Hindu, Palangka Raya, Central Borneo. While the ethnic and knowledge has realitonships with the exclusive breast feeding, in which OR= 5,236 with P value = 0,701.

Conclusions: There is no relationships between mother's characteristic (age, education and occupation) with the exclusive breast feeding in Puskesmas Bukit Hindu, Palangka Raya City. While the ethnic has relationships with the exclusive breast feeding. The knowledges has relationships with the exclusive breast feeding in Puskesmas Bukit Hindu. The mother's attitudes has no relationships with the excluive breast feeding in Puskesmas Bukit Hindu, Palangka Raya City, Central Borneo.

Keywords : factors, giving, exclusive breast feeding

Backgrounds:

Decree of Minister of Health no.450 /Men.Kes /SK/ IV /2004 About exclusive breast feedingin Indonesia on 7th April 2004 has recommended to give in 6 months. The recommendation explain that to reach optimum health growth and development, baby have to give breast feeding during first 6 months¹.

In Central Borneo, for about 21.032 (41,05%) from total 51.241 babies has given exclusive breast feeding in 2009. In Palangkaraya City there are 645 (12,82%) infants were give exclusive breast feeding². In Palangka Raya, there are 645 babies (12,82%) has given exclusive breast feeding. This data is not clearly confirm, is mother has only give breast

feeding for the baby without added another food for 6 months. According to the data from Puskesmas Bukit Hindu, there are 14 posyandu that continuesly and actively give health education about the utility of exclusive breast feeding. In January untill May 2012 the amount of mother that give exclusive breast feeding is 32 person³. The problem is "Is the mother give exclusive breast feeding to the baby without added another food and the factors related to the exclusive breast feeding". This research aims to know the factors related to exclusive breast feeding in Puskesmas Bukit Hindu, Palangka Raya, Cental Borneo.

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Table 1. Relationships Test Several Variables with Breastfeeding

Mother's occupation	Breast feeding				Total		OR (95% CI)	P Value
	Non exclusive		Exclusive		N	%		
	N	%	N	%				
Working	7	63,6	4	36,4	11	100	1,663 (0,418 - 6,606)	0,701
House wife	20	51,3	19	48,7	39	100		
Total	27	54	23	46	50	100		

Education	Breast feeding				Total		OR (95% CI)	P Value
	Non exclusive		Exclusive		n	%		
	N	%	N	%				
Basic (\leq SMP)	7	35	13	65	20	100	0,269 (0,082 - 0,887)	0,056*
Advance (>SMP)	20	66,7	10	33,3	30	100		
Total	27	54	23	46	50	100		

Ethnics	Breast feeding				Total		P Value
	Non exclusive		Exclusive		n	%	
	n	%	N	%			
Banjarnese	11	68,8	5	31,3	16	100	0,023*
Dayaknese	11	73,3	4	26,7	15	100	
Javanese	3	27,3	8	72,7	11	100	
Other ethnics	2	25	6	75	8	100	
Total	27	54	23	46	50	100	

Knowledge	Breast feeding				Total		OR (95% CI)	P Value
	Non exclusive		Exclusive		n	%		
	n	%	N	%				
Less (< 70)	16	76,2	5	23,8	21	100	5,236 (1,495 - 18,339)	0,017*
Good (\geq 70)	11	37,9	18	62,1	29	100		
Total	27	54	23	46	50	100		

* = signifikan

Knowledge in this research is the mother's knowledge on matters related to exclusive breastfeeding. Relationship between the mother's knowledge and exclusive breastfeeding based on the median value of the knowledge, so the age is divide to 2 (two) categories: score < 70 (less), and score \geq 70 (good). Score of relationships test P = 0,017, it means there are significant relationships between knowledge and exclusive breast feeding. The results also get OR = 5,236, it means the knowledge score (\geq 70) have opportunities 5,236 timesto give their baby exclusive breast feeding divide to respondentthat get knowledge score less (< 70).



CONCLUSIONS

There is no relationships between mother's characteristic (age, education and occupation) with the exclusive breast feeding in Puskesmas Bukit Hindu, Palangka Raya City. While the ethnic has relationships with the exclusive breast feeding. The knowledges has relationships with the exclusive breast feeding in Puskesmas Bukit Hindu. The mother's attitudes has no relationships with the exclusive breast feeding in Puskesmas Bukit Hindu, Palangka Raya City, Central Borneo.

RECOMMENDATION

Need to improve the mother's knowledge either during pregnancy and breastfeeding, with the increasing of knowledge about breast feeding is expected to increase the coverage of exclusive breastfeeding. Exclusive breastfeeding promotion efforts need to be improved, especially breastfeeding counseling to pregnant and breast feeding mothers.

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