



Interprofessional Collaboration in Research: An Experience from Graduate Students in School of Public Health and School of Medicine, Hasanuddin University

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Outline:

- Introduction
- Research Collaboration
- Methods the collaboration
- Results
- Intervention
- Conclusion



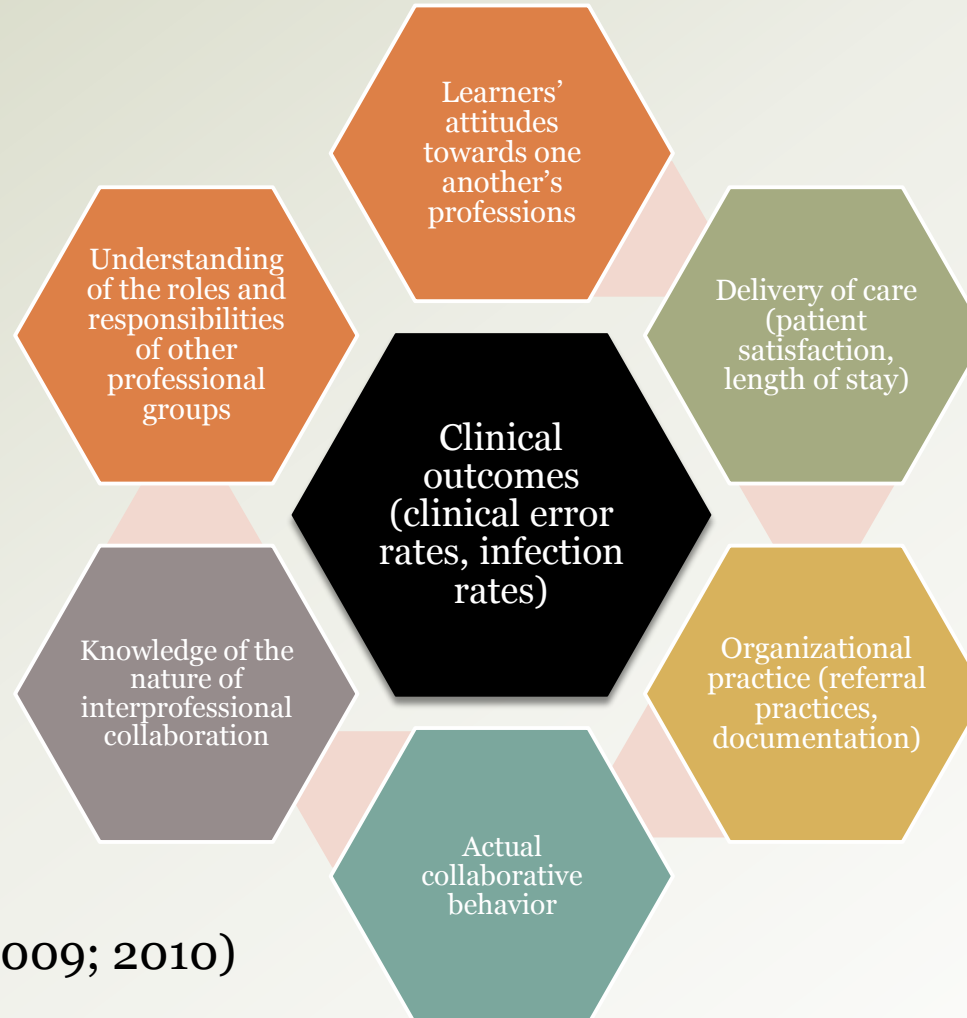
Interprofessional Education (IPE)



- IPE occurs when two or more professions learn about, from and with each other to enable them to conduct effective collaboration and improve health outcomes (WO, 2010)



Benefit of Interprofessional Education (IPE)



(Reeves et al., 2009; 2010)



VS.



- **Interprofessional collaborations** refers to cooperation, not only among practitioners, but also among the health profession colleges of which they are members. It takes place at the **regulatory level**, as well as at the **clinical level**.
- One objective of **Interprofessional collaborations** is to foster interprofessional care. Another is to ensure that the standards of practice set by one college are workable for members of other colleges.



Objectives of the research collaboration:

- Assess health and nutritional status of pregnant and lactating mothers and their infants (the first thousand days of life)
- Assess factors related to health and nutritional status of the pregnant and lactating mothers and their infants.
- Develop a research proposal to improve health and nutritional status of mothers and infants

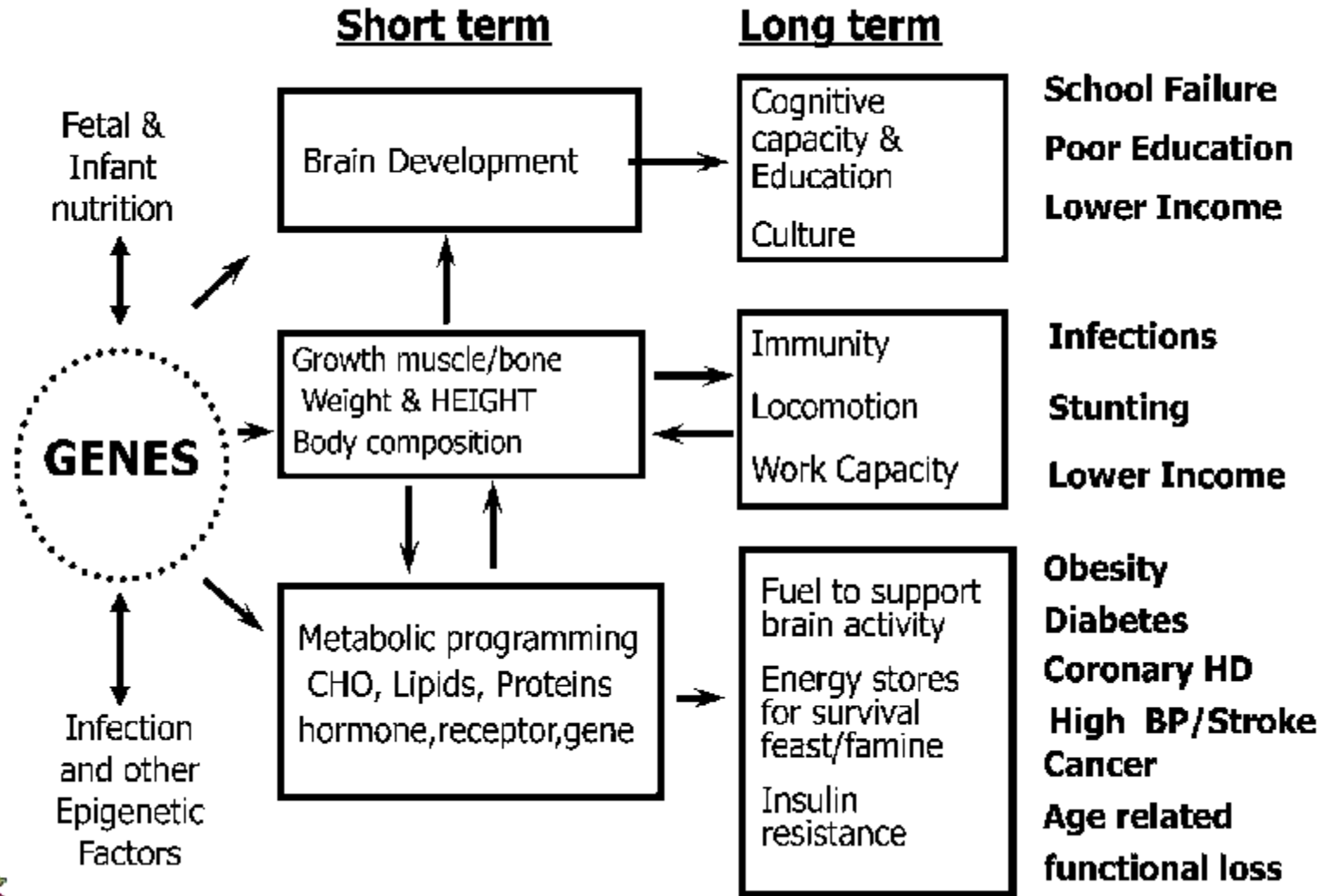


1000

HARI PERTAMA
KEHIDUPAN



Schema representing short and long term consequences of nutrition-gene-environment condition in early life



Ricardo Uauy, Kain and Corvalan. Am j Clin Nutr:2011:94(suppl):1759S-64S.

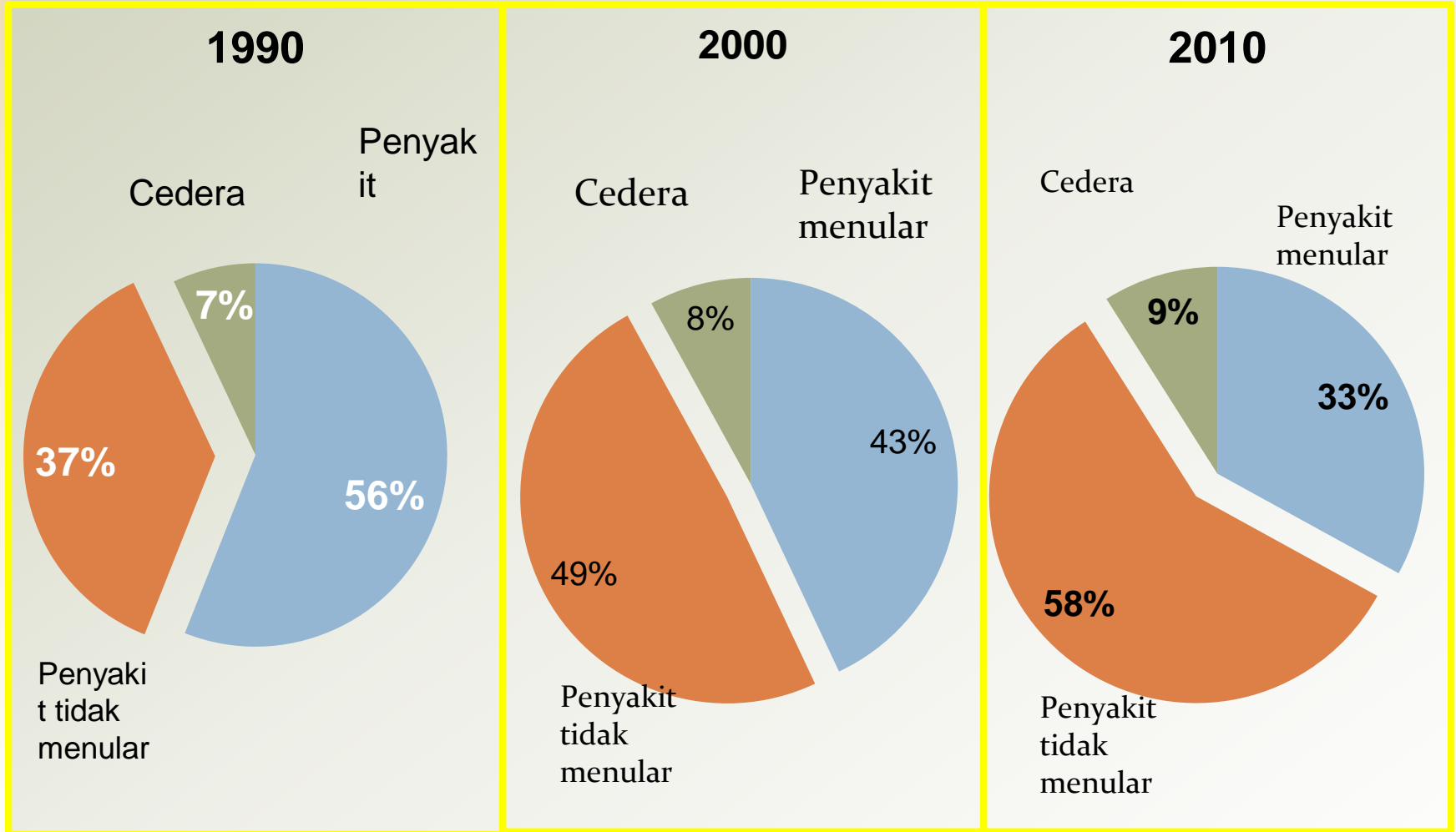
Thrifty phenotype hypothesis

- Reduced fetal growth is strongly associated with a number of chronic conditions later in life. This increased susceptibility results from adaptations made by the fetus in an environment limited in its supply of nutrients. These chronic conditions include coronary heart disease, stroke, diabetes, and hypertension. **Hales CN, Barker DJ 1992. Diabetologia 35 (7): 595–601**
- Sering disebut juga **Barker's hypothesis**, setelah David J.P. Barker mempublikasikan teori ini.

Barker, D.J.P. (1997). Nutrition, '13', pg. 807



Diseases Burden in Indonesia



Sumber IHME: 2010



Research activities

- Develop Survey team
- Pre test questionnaire
- Train enumerator
- Collect secondary data.
- Seminar and study permit
- Conduct survey
- Report and socialition

Survey team

Principle investigator: Prof. dr. Veni Hadju, M.Sc, Ph.D

Leader: Umar Syakur, SKM



1	Muhammad Ikhsan Amar, S.Gz	14	Diesna Sari, S.Gz	27	Fadhilah, S.Gz
2	Chairul Amal Muthalib, SKM	15	St. Khadijah Hamid, S.Gz	28	Dhuha Itsnanisa Adi, S.Gz
3	Mustamir Kamaruddin, S.Gz	16	Andi Nurul Dwi Puji Utami, S.Gz	29	Nur Asmi SKM
4	Sudirman, SKM	17	Meita Amirah Kuncoro, S.Gz	30	Anna F. Soplantila, SKM
5	Umar Syakur, SKM	18	Mesri Kartika, S.Gz	31	Rini Jusriani, SKM
6	Muhammad Faizal, S.Gz	19	Hardianti, S.Gz	32	Nur Fitriah, S.Gz
7	Fitriani Kasim, SKM	20	Andi Fatwa Tenri Awaru, S.Gz	33	Nurnikmah Sirajuddin SST
8	Andi Ade Ula Saswini, SKM	21	Susanti Zainuddin, SKM, M.Kes	34	Kasmawati, S.Gz
9	Rahma, SP	22	Niken Widyastuti Hariati, S.Gz	35	Wa Ode Nur Jasmania, S.Gz
10	Ratnawati, S.Gz	23	Nurul Afiah, S.Gz	36	Ade Irmayanti Handayani, S.Gz
11	Renni Meliahsari, S.Gz	24	Nuryani, S.Gz	37	Nur Hasyuti, S.Gz
12	Fahmi Hafid, S.Gz	25	Nurul Ulfiana Sahlan, S.Gz	38	Resti Kusumarini Samben, S.Gz
13	Mutia R. Amalia, S.Gz	26	Suaebah, S.Gz	39	Wahyuni Sammeng, S.Gz
40	Resi Kala Linggi Allo, SST	42	Syahruly Syam, SST	44	Mery Sorro, SST
41	Arsiyanti, SST	43	Hasiba, SST	45	Ferawati Taherong, SST



Seminar and study permit



Dr. Syafruddin Nurdin, M.Kes (Kadiskes Jeneponto)

- Drs. H. Iksan Iskandar, M.Si (Bupati Jeneponto)
- Prof. dr. Veni Hadju, M.Sc. PhD (Guru Besar Unhas)



Penyambutan Oleh:

- Hasanuddin, M. SE, MH (Camat Bontoramba)
- Hasruddin, SKM, M.Kes (Kepala Puskesmas Bontoramba)



Pregnant
mothers



Lactating
mothers



Infants,
under two
yrs old

Study subjects







Interview



Weight measurement.



Infant measurement.



Arm circumference



Length measurement.



Height measurement.⁶



Study results



BONTORAMBA-JENEPONTO 2014

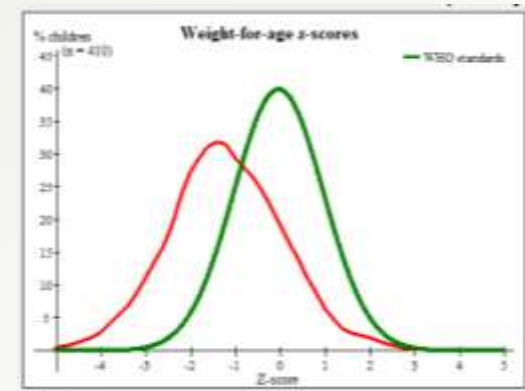
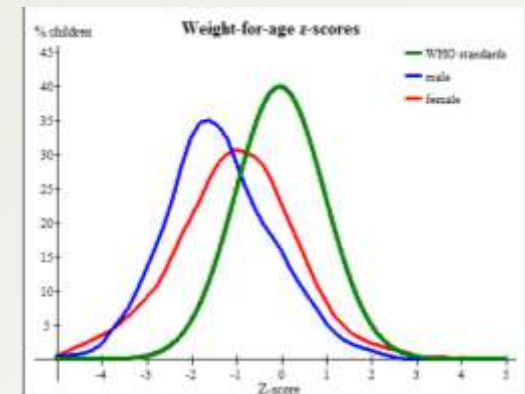
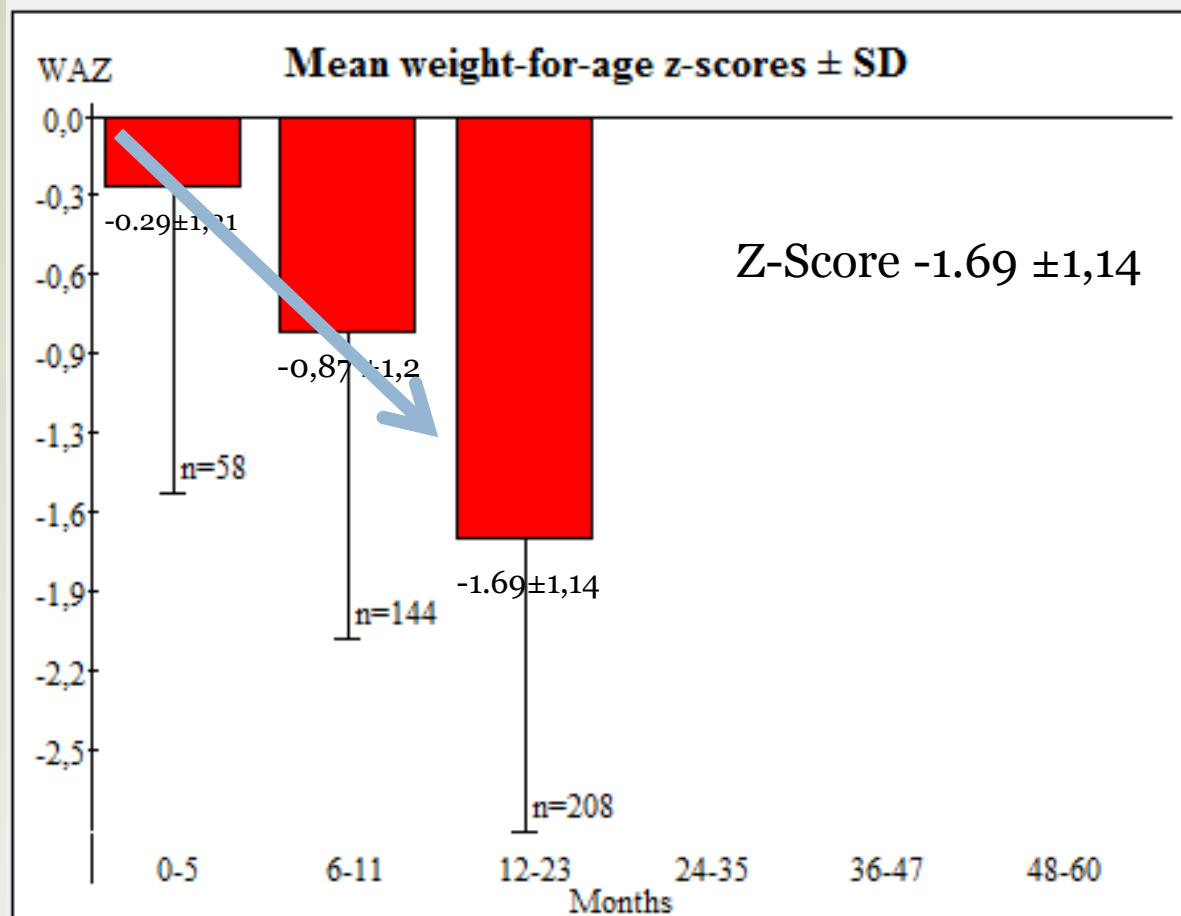
CHILDREN UNDER 2

Stunting	: 58,5%
Wasting	: 21,7%
Overweight	: 9,8%
Low birth weight	: 7,6%
Exclusive breastfeeding	: 53,6%

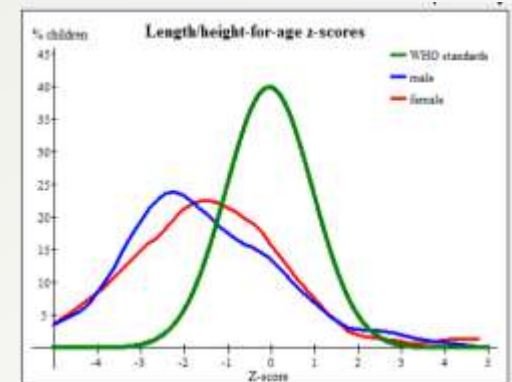
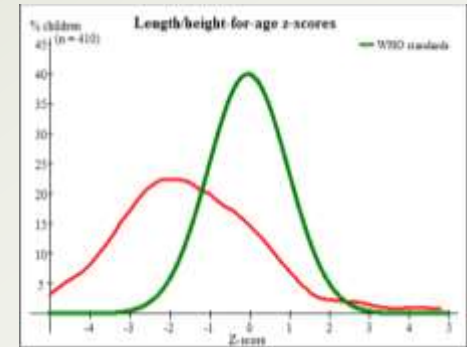
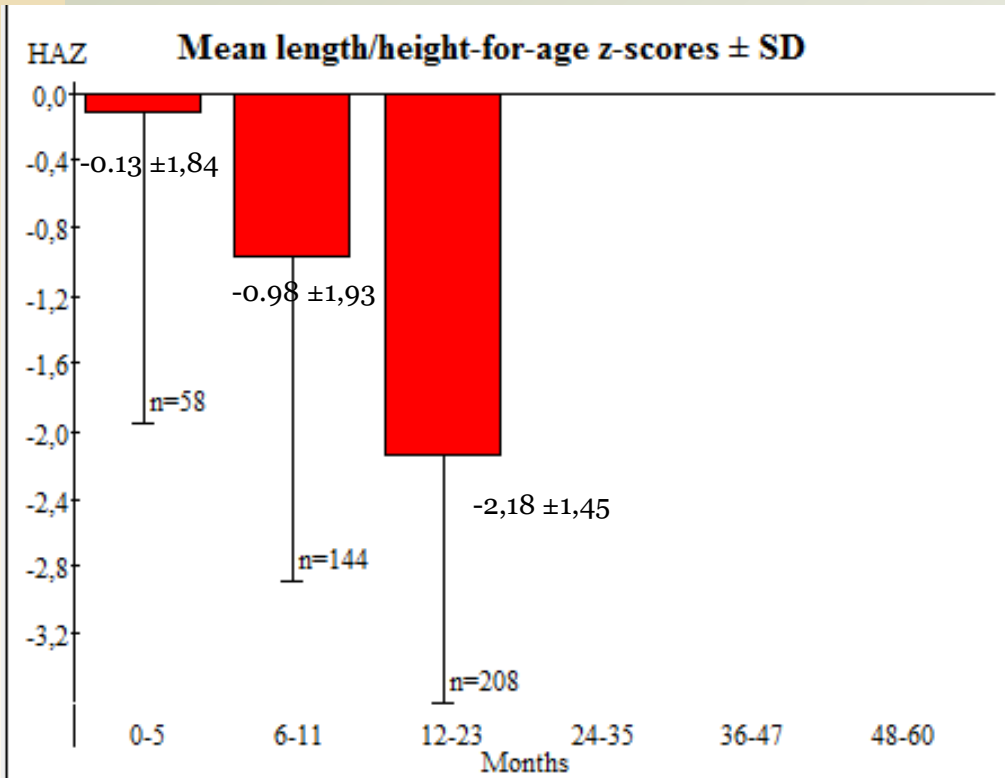




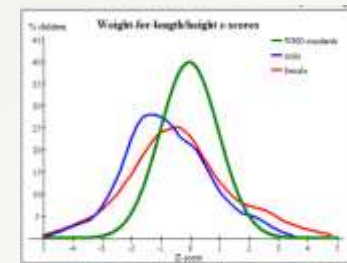
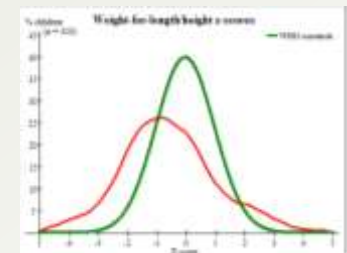
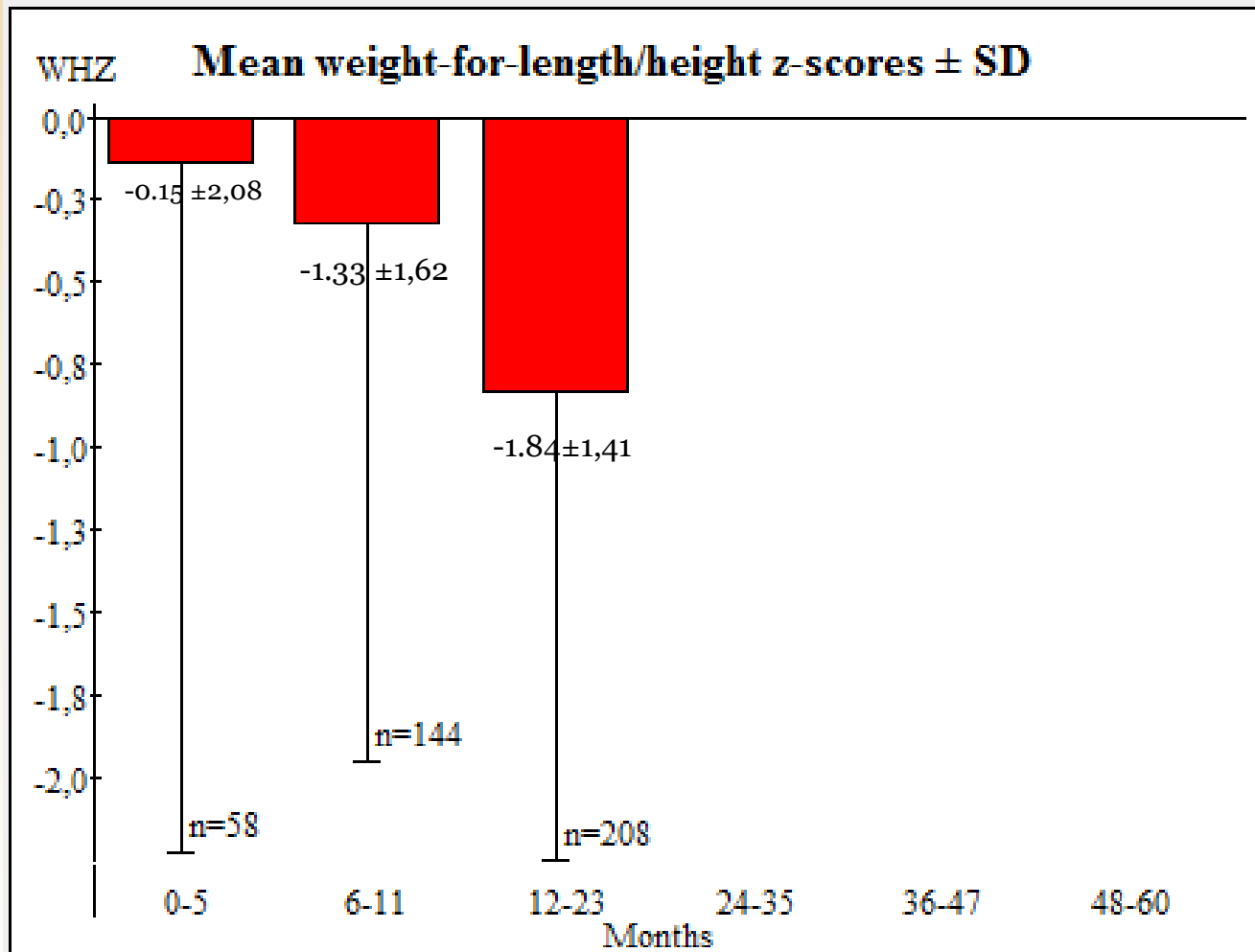
Undernutrition (weight for age)



Stunting (height for age)



Wasting (weight for height)





Data Riskedas Kab. Jeneponto vs. Survei Bontoramba

Indikator	Riskedas 2007	Riskedas 2013	Kec. Bontoramba, 2014
Undernutrition	20,3	25,9	31,9
Stunting	26,5	40,5	58,5
Wasting	9,8	13,7	21,7
Clean water	21,5	50,4	89,3
Good sanitation	44,5	46,7	65,4
Environment	21,9	42,5	89,0
Neonatal visit	32,3	49,1	-
Immunization	20,0	72,6	53,1 (Campak)
Weighing	25	54,7	74,1



Topik Penelitian Intervensi S2 Gizi di Jenepono

OUR RESEARCH



Research of PH Nutrition students



P180 321 3004 Fahmi Hafid

- Risk factor of stunting in 6-23 yr old in Bontoramba Subdistrict, Jeneponto

P180 321 3401 Nur Hasyuti

- Effect of VCO in mild malnourished children under two yr old on nutritional status, Bontoramba Subdistrict, Jeneponto

P180 321 3405 Resti Kusumareni

- Effect of crackers from Kacang Gude on Hemoglobin and cognitive of school children in Bontoramba Subdistrict, Jeneponto

Research of PH Nutrition students



P180 321 3422 Nur Asmi

- Effect of VCO (Virgin Coconut Oil) on morbidity in malnourished infants in Bontoramba Subdistrict, Jeneponto.

P180 321 3023 Ade Ulasaswini

- Effect of Baruasa from Kacang Gude (Cajanus Cajan) on Protein and Iron blood level in scholl children in Bontramba Subdistrict, Jeneponto

P180 321 3014 Fitriani Kasim

- Effect of crackers from Daun Kelor on hemoglobin, weight, and arm circumference of pregnant mothers in Bontoramba Subdistrict, Jeneponto.

Arsiyanti

Resi Kala

Hasiba

Syahruli

Research of Midwifery students

Risk factor of anemia in girls in Bontoramba Subdistric, Jeneponto

Effect of nutrition education on KAP of pregnant mothers in Bontoramba Subdistrict

Morbidity of pregnant mothers in Bontromba Subdistrict : A qualitatif study

Risk factor of low birth weight in Bontoramba Subdistrict

Lesson learned:

- ❑ Master students collect baseline data together and learn from each others.
- ❑ Some nutrition aspects are very important for the midwife and vice versa.
- ❑ Baseline data could be analyzed further and showed another results (more detail).
- ❑ Students could expand data collection to answer questions, both quantitatively and qualitatively
- ❑ Experiment study could be done based on the baseline data.



Thank You