

References



- Alhusin, Syahri. (2001). Aplikasi Statistik Praktis dengan SPSS 9. Jakarta: PT. Alex Media Computindo.
- Aloysius, C. (Oct. 1997). Shattering myths that prevent making motherhood safe. Sri Lankan Sunday Observer, 19 Oct.
- Bhatt, R.V., & Hazra, M.N. (Oct. 2000), Maternal Mortality in India, JIMA. 98, 10.
- Bick, Rodger.L., et al. (1993). Hematology Clinical and Laboratory Practice. St.Louis: Mosby-Yearbook.
- Bobak, I.M., Lowdermilk, D.L., Jensen, M.D., Perry, S.E. (1995). Maternity Nursing. 4th edition. St.Louis: Mosby.
- Buckley, K., Kulb, N.W. (1990). High Risk Maternity Nursing Manual. Baltimore: Williams&Wilkins.
- Cunningham. F.G., MacDonald, P.C., Gant, N.F. (1997). Williams Obstetric. 21st ed. Newyork: Mc Graw-Hill Medical Publishing Division.
- Daniel, Wayne.W., (1999). Biostatistics-A Foundation for Analysis in the Health Science. 7th Edition. New York: John Wiley&Sons.
- Dewar, J. (1969). Antenatal Anemia and Postpartum Haemorrhage. Aust.N.Z.J. Obstet.Gynaec. 9,8.
- Dickason,E.J., Silverman, B.L., Schult, M.O. (2000). Maternal-Infant Nursing Care. St.Louis: Mosby.
- Di Guiseppi,C. (2002). Guide to Clinical Preventive Service. 2nd ed. US Preventive Services Task Force, JAMA.

- Djaja.S., & Suwandono,A. (2002). The Determinants of Maternal Mortality in Indonesia. Depkes RI.
- Dunnihoo,Dale.R. (1990). Fundamentals of Gynecology and Obstetrics. Philadelphia: JB Lippincott Company
- Gordis,Leon. (2000). Epidemiology. 2nd Edition. Philadelphia: WB.Saunders Company.
- Gorrie, T.M., McKinney, E.S, Murray, S.S. (1994). Foundation of Maternal Newborn Nursing. Philadelphia: WB Saunders Company.
- Kaplan, R.M., Sallis Jr., J.F., Patterson. (1993). Health and Human Behavior. Singapore: Mc Graw-Hill.
- Kleinbaum, D.G. (1994). Logistic Regression: A self learning text. New York: Springer-Verlag.
- Martoatmodjo, S., Muhilal, Enoch, M., Husaini, Angkuw, Ch.W., Dradjat, D. (1991). A Survey Among Nutritional Anemia in Pregnant and Non Pregnant Women in Rural District of Western Java-Indonesia. Media Litbang Kesehatan I, 1.
- May, K.A., Mahlmeister, L.R. (1990). Comprehensive Maternity Nursing. 2nd ed. Philadelphia: JB Lippincott Company.
- Meda, N., Dao, Y., Toure, B., Yameogo, B., Cousens, S., Graham, W. (Jan-Feb 1999). Assessing severe maternal anemia and its consequences: the value of a simple examination of the coloration of palpebral conjunctiva, Sante 9,1:12-7.
- Miller, M.A., & Brooten, D.A. (1983) The Childbearing Family:A Nursing Perspective. 2nd ed. Boston/Toronto: Little Brown and Company.

- Ministry of Health. (2002). Indonesia Country Progress Report. Depkes RI.
- Ministry of Health. (2002). Monitoring Maternal and Newborn Health in Indonesia.
Depkes RI.
- Ministry of Public Health. (2002). Annual Report(draft). Bereau of Health promotion,
Department of Health.
- Ministry of Public Health. (1999). Thailand Basic Population & Health Information.
Department of Health.
- O.Loughlin, J. (1997). Safe Motherhood: Impossible dream or achievable reality?
MJA, 167:622-625.
- Unicef. (1999). Programming for Safe Motherhood. Health Section, Program Division.
- Sakala, E.P. (2000) Obstetric and Gynecology. 2nd ed. Baltimore: Lippincott
Williams&Wilkins.
- Schesselman, J.J., Stolley, P.D. (1982). Case-Control Studies: design, conduct,
analysis. Oxford: Oxford University Press
- Schuurmans, N., Mac Kinnon, C., Lane, C., Etches, D. (Apr. 2000). Prevention and
Management of Postpartum Hemorrhage. SOGC Clinical Practice
Guidelines. 88.
- Scott, J.R., Disaia, P.J., Hammond, C.B., Spellacy, W.N. (1994). Obstetrics and
Gynecology. 7th Edition. Philadelphia: JB. Lippincott.
- Suega, K., Dharmayuda, T.G., Sutarga, I.M., Bakta, I.M. (2002). Iron-Deficiency
Anemia in Pregnant Women in Bali, Indonesia: A profile of risk factors
and epidemiology, Faculty of Medicine, Udayana University,
Indonesia,September: Vol. 33 No. 3:604-607.
- Tam,K.F., & Lao,T.T. (Sept/Oct 2002) Iron Supplementation in Pregnancy. Journal of

Pediatrics, Obstetrics and Gynaecology.

Thomson, S., & Bhongsvej, M. (1995) Profile of Women in Thailand. Gender and Development Research Institute.

TURA. Malnutrition as a Social Indicator: Nutrition Problems in Thailand. Bangkok:Mahidol University.

UN. (2002). Future Generations Ready for the World. UN,10 May.

WHO. (1993). Health Research Methodology A Guide for training in Research Methods. Philippines: Regional Publication.

WHO. (1995). Safe Motherhood in Refuge Settings. Safe Motherhood Progress Report.

WHO. (2000). Reproductive Health Indicators for Global Monitoring. Geneva: Department of Reproductive Health and Research.

WHO. (2002). *Safe Motherhood*. (n.p.)

WHO-SEARO. 2002. Regional Consultation on Monitoring and Evaluation of Maternal and Newborn Health Program, Bangkok, Thailand, 8-11 July 2002.

Ytterstad, B., & Norton, R. (March 1998). What does prevent postpartum hemorrhage? The Lancet 7.

APPENDICES

Appendix A

OPERATIONAL DEFINITION

	Variable	Operational Definition
Dependent variable	Postpartum hemorrhage	Blood loss that exceeds 500 ml within 24 hrs (early PPH) or more than 24hrs(late PPH) after delivery.
Independent variables	Anemia in pregnancy	The Hematocrit percentage in blood, using the standard less than 33%
	Characteristics of the subjects	The data of the patients including education, age, patient' s/husband's occupation, gravidity, parity, place and frequency of prenatal care, type of delivery, attendant, duration of labor, baby weight, oxytoxics administration in third stage of labor, and disease/complication during ante/ intranatal period.

Appendix B

English version*" Relationship Between Anemia in Pregnancy*

**

*and Postpartum Hemorrhage**at Uthaihani Provincial Hospital – 2002"*

Code No:

DATA COLLECTION FORMRegister No.*:

NO	DATA*	VAR.**	VAL.**
	General Information		
1	Age:.....years	AGE	<20 ; 20-35 ; 35-45 ; >45
2	Patient's Occupation: <input type="checkbox"/> Labor <input type="checkbox"/> Trader <input type="checkbox"/> Government employee <input type="checkbox"/> Agriculture <input type="checkbox"/> Private employee <input type="checkbox"/> House wife <input type="checkbox"/> Others (specify):.....	OC.P	1 ; 2 ; 3 ; 4 ; 5 ; 6 ; 7
3	Education: <input type="checkbox"/> Illiterate <input type="checkbox"/> High school 4-6 <input type="checkbox"/> Elementary 1-4 <input type="checkbox"/> Diploma <input type="checkbox"/> Elementary 5-6 <input type="checkbox"/> Higher <input type="checkbox"/> High school 1-3	EDU	1 ; 2 ; 3 ; 4 ; 5 ; 6 ; 7
4	Gravidity:times	GRA	1 ; 2-4 ; >4
5	Parity:times	PAR	1 ; 2-4 ; >4
	Information regarding last pregnancy/delivery		
6	Type of delivery: <input type="checkbox"/> Spontaneous <input type="checkbox"/> Forceps Extraction <input type="checkbox"/> Spontan+episiotomy <input type="checkbox"/> Vacuum Extraction <input type="checkbox"/> Cesarean Section:-Reason:..... -Anesthesia:.....	T.DEL CES.R CES.A	1 ; 2 ; 3 ; 4 ; 5 0 ; 1 ; 2 ; ... 0 ; 1 ; 2 ; ...
7	Amount of blood loss:cc	PPH	<500 ; =/>500
8	Duration of labor:.....hours.....minutes	DUR	<8 ; 8-12 ; >12- 24 ; >24
9	Oxytocics drug in the third stage:		

	-Name:.....	OX.N	0 ; 1 ; 2 ; 3
	-Dose:.....	OX.D	0 ; 1 ; 2 ; 3
	-Method:.....	OX.M	0 ; 1 ; 2 ; 3
10			
11	Baby's weight:.....grams	BABY	< 2500 ; 2500-4000 ; > 4000
12	Name of attender:..... <input type="checkbox"/> doctor <input type="checkbox"/> nurse	ATT.N	1 ; 2 ; 3 ; 4 ; ...
	Prenatal care:	ATT.F	1 ; 2
	Place.....	P.PL	0 ; 1 ; 2 ; 3
13	Frequency.....times	P.FR	0 ; 1 ; 2 ; 3 ; 4 ; >4
14	Hematocrit level in the third trimester:.....%	ANE	=/>33 ; <33
	Complication/disease during prenatal period:	PCO.BL	0 ; 1
	<input type="checkbox"/> Bleeding <input type="checkbox"/> Pre-eclampsia	PCO.M	0 ; 1
	<input type="checkbox"/> Malaria <input type="checkbox"/> Eclampsia	PCO.TB	0 ; 1
	<input type="checkbox"/> Tuberculosis <input type="checkbox"/> Pneumonia	PCO.PE	0 ; 1
15	<input type="checkbox"/> Others:.....	PCO.E	0 ; 1
	Complication/disease during intranatal period:	PCO.PN	0 ; 1
	<input type="checkbox"/> Retained placenta <input type="checkbox"/> Pre-eclampsia	PCO.OT	0 ; 1
	<input type="checkbox"/> Malaria <input type="checkbox"/> Eclampsia	ICO.RP	0 ; 1
	<input type="checkbox"/> Tuberculosis <input type="checkbox"/> Dystocia	ICO.ML	0 ; 1
	<input type="checkbox"/> Pneumonia <input type="checkbox"/> Others:.....	ICO.TB	0 ; 1
		ICO.PE	0 ; 1
		ICO.E	0 ; 1
		ICO.PN	0 ; 1
		ICO.DY	0 ; 1
		ICO.OT	0 ; 1

* Filled by data collector

** Filled by researcher

Name of data collector:

Date :...../...../.....

THANK YOU

ลำดับที่	ข้อมูล*	VAR**	VAL**
10	น้ำหนักเด็ก..... กรัม	BABY	< 2500 ; 2500-4000 ; > 4000
11	ชื่อผู้ทำคลอด <input type="checkbox"/> แพทย์ <input type="checkbox"/> พยาบาล	ATT.N ATT.F	1 ; 2 ; 3 ; 1 ; 2
12	การดูแลระยะก่อนคลอด: สถานที่ฝากครรภ์.....	P.PL	0 ; 1 ; 2 ; 3
	จำนวนครั้งการฝากครรภ์	P.FR	0 ; 1 ; 2 ; 3 ; 4 ; >4
13	ระดับของ hematocrit ในระยะที่สามของการตั้งครรภ์..... เปอร์เซ็นต์	ANE	=/>33 ; <33
14	อาการแทรกซ้อนโรค ในระยะตั้งครรภ์ (ตอบได้มากกว่า 1 ข้อ) <input type="checkbox"/> เลือดออกจากช่องคลอด <input type="checkbox"/> ครรภ์เป็นพิษ (Mild-Severe Pre-eclampsia) <input type="checkbox"/> มาลาเรีย <input type="checkbox"/> ครรภ์เป็นพิษ (Eclampsia) <input type="checkbox"/> วัณโรค <input type="checkbox"/> ปอดบวม <input type="checkbox"/> อื่นๆ	PCO.BL PCO.ML PCO.TB PCO.PE PCO.E PCO.PN PCO.OT	0 ; 1 0 ; 1 0 ; 1 0 ; 1 0 ; 1 0 ; 1 0 ; 1
15	อาการแทรกซ้อนโรค ในระยะคลอด (ตอบได้มากกว่า 1 ข้อ) <input type="checkbox"/> รกค้าง <input type="checkbox"/> ครรภ์เป็นพิษ (Mild-Severe Pre-eclampsia) <input type="checkbox"/> มาลาเรีย <input type="checkbox"/> ครรภ์เป็นพิษ (Eclampsia) <input type="checkbox"/> วัณโรค <input type="checkbox"/> ปอดบวม <input type="checkbox"/> การคลอดลำบาก <input type="checkbox"/> อื่นๆ	ICO.RP ICO.ML ICO.TB ICO.PE ICO.E ICO.PN ICO.DY ICO.OT	0 ; 1 0 ; 1 0 ; 1 0 ; 1 0 ; 1 0 ; 1 0 ; 1 0 ; 1

* กรอกรายละเอียดโดยผู้เก็บข้อมูล

** กรอกรายละเอียดโดยนักวิจัย

ชื่อ ผู้เก็บข้อมูล

วัน /เดือน/ ปี.....

ขอบคุณในความร่วมมือนะคะ

Appendix D

B U D G E T

OBJECTIVE: - Research proposal
 - Data collection training
 - Data Collection

Place of data collection: Delivery room of Uthaitani Provincial Hospital, Uthaitani
 Unit to collect data: Patient's records Number of units: 260 patients
 Time: 19 December 2002 to 31 January 2003

Description of expenses for data collection:

No	Item	Unit	Price(B)	Unit Number	Total Budget
1	Data collection	subject	40	260	10400
2	Record finding	person	500	4	2000
3	Data collector training				
	- Translator	person	3000	1	3000
	- Transportation	person	300	2	600
4	Transportation (two persons)	times	600	6	3600
5	Photocopy	page	1	1000	1000
6	Stationary	set	200	3	600
				Total	21200

BIOGRAPHY

Mrs. N. Nurlina Supartini was born in Ciamis, a Districts in West Java Province, Indonesia at 5 June 1967. She was born as the sixth child of a muslim family, and her parents were original from West Java Province. She has three brothers and four sisters. Nowadays, she lives with her beloved husband and three children in Bandung, capital city of West Java Province with the full address: Komp. Bumi Abdi Negara Blok F5 No. 12 Rancaekek - Bandung, Jawa Barat, Indonesia (Tel. 062-022-7798789).

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