



REFERENCES

- Bale, JR. Creation of a research program to determine the etiology and epidemiology of Acute Respiratory Tract infection among children in developing countries. Rev Infect Dis 12 (1990): 861-866.
- Berman, S., Shanks, MB., Feiten, D., et al. Acute respiratory infections during the first three months of life: clinical, radiologic and physiologic prediction of etiology. Pediatry Emerg Care 6 (1990): 179-182.
- Berman, S., Simoes, EAF., and Lanata, C. Respiratory rate and pneumonia in infancy. Arch Dis Child 66 (1991):81-84.
- Budiarso, RL. Survai Kesehatan Rumah Tangga : Data Statistik.
Badan Penelitian dan Pengembangan Kesehatan, Pusat Penelitian Ekologi Kesehatan. Jakarta : Departemen Kesehatan Republik Indonesia, 1980.
- Budiarso, RL. Soesanto, SS., Bakri, Z., et al. Data Statistik.
Prosiding Seminar Survai Kesehatan Rumah Tangga 1986.
Badan Penelitian dan Pengembangan Kesehatan, Pusat Penelitian Ekologi Kesehatan. Jakarta: Departemen Kesehatan Republik Indonesia, 1987.
- Bulla, A., and Hitze, KL. Acute respiratory infection : a Review.
Bull Who 56 (1978): 481-498.

Caffey, J. Pediatric X-ray diagnosis. 4th ed. Chicago: Year Book Medical publishers, 1961.

Campbell, H., Byass, P., Greewood, BM. Simple clinical signs for diagnosis of acute lower respiratory infections. Lancet 2 (1988): 742-743.

Cherian, T., John, TJ., Simoes, E., et al. Evaluation of simple clinical signs for the diagnosis of acute lower respiratory tract infection. Lancet 2 (1988):125-128.

Feinstein, AR. Clinical Epidemiology: The Architecture of Clinical Research. Philadelphia : WB Saunders, 1985.

Griska, L. Radiographic Manifestations of Pneumonia : an Approach to Differential Diagnosis. In : Levison ME (ed) The Pneumonias: Clinical Approaches to Infectious Diseases of the Lower Respiratory Tract. Boston: John Wright/PSG, 1984.

Griver, PF., Mayewski, RJ., Mushlin, AL., and Greenland, P. Selection and interpretation of diagnostic test and procedures: Principles and applications. Ann Intern Med 94 (1981):553-596.

Hadiwinoto, W., Prihatini, SB. Pengamatan hasil uji coba Program Penanggulangan Penyakit ISPA di Kabupaten Lamongan.

Jakarta: Departemen Kesehatan Republik Indonesia, 1989.

Harari, M., Shann, F., Spooner, V., et al. Clinical signs of pneumonia in children. Lancet 338 (1991): 928-930.

Kantor, Wilayah. Pelaksanaan program uji coba dampak pengelolaan kasus ISPA di Kecamatan Kediri Kabupaten Lombok Barat, Propinsi NTB. Jakarta : Departemen Kesehatan Republik Indonesia, 1989.

Kaplan, G. Use of the laboratory: Clinical Methods. 3rd ed Boston: Butterworths, 1990.

Leventhal, JM. Clinical predictors of pneumonia as a guide to ordering chest roentgenograms. Clin Pediatric 21 (1982): 730-734.

Lucero, MG., Tupasi, TE., Gomez, ML., et al. Respiratory rate greater than 50 per minute as a clinical indicator of pneumonia in Filipino children with cough. Rev Infect Dis 12 (1990) : 1081-1083.

Meschan, I. Roentgen signs in clinical practice. Vol II.
Philadelphia: WB Saunders, 1966.

Ministry of Health Republic of Indonesia. Programme for the control of Acute Respiratory Infection in children.
Government of Republic of Indonesia. Plan of Operation.
Jakarta, 1989.

Ministry of Health Republic of Indonesia. Indonesian Health Profile 1991. Jakarta, 1992.

Morley, CJ., Thornton, AJ., Fowler, MA., et al. Respiratory rate and severity of illness in babies under 6 months old.
Arch Dis Child 65 (1990): 834-837.

Rosmayudi, O., Kartasasmita, CB., and Irmawan, R.ARI. Risk factors in children under five years old in West Java, Indonesia. Proceeding the XVIII International Congress of Pediatrics, Honolulu. 1986.

Sackett, DL., Haynes, RB., Guyatt, GH., and Tugwell, P. Clinical Epidemiology: A Basic Science for Clinical Medicine. 2nd ed. Boston : Little, Brown and Co., 1991.

Schechter, MT. Evaluation of the diagnostic process. In Troidl H et al (eds). Principles and Practice of Research : strategies for surgical investigators. New York: Springer-Verlag, 1991.

Shann, F., Hart, K., Thomas, D. Acute lower respiratory tract infections in children: possible criteria for selection of patients for antibiotic therapy and hospital admission. Bull Who 62 (1984):749-753.

Simel, DL., Samsa, GP., and Matchar, DB. Likelihood ratios with confidence: sample size estimation for diagnostic test studies. J Clin Epidemiology 44 (1991):763-770.

Sosroamidjojo, S. Masalah infeksi saluran pernapasan. Menanggulangi infeksi saluran pernapasan akut pada anak-anak. Jakarta: Departemen Kesehatan Republik Indonesia, 1984.

Streiner, DL., and Norman GR. Health Measurement scales. A Practical Guide to their Development and Use. New York: Oxford University Press, 1989.

WHO. Programme for the control of Acute Respiratory Tract Infections. Acute Respiratory Tract Infections in children: Case management in small hospital in developing countries. A manual for doctors and other senior health workers. WHO/ARI 90.5, 1990. (Unpublished document)

Zukin, DD., Hoffman, JR., Cleveland, RH., et al. Correlation of pulmonary signs and symptoms with chest radiographs in the pediatric age group. Ann Emerg Med 15 (1986): 792-796.

APPENDIX

Subject record :

PNEUMONIA IN UNDERFIVES

Please tick () or fill in the blank

For personal use

ID No.	-----	-----
Date of birth	-- / -- / --	-----
Age (months)	--	--
Sex	1.Boy () 2.Girl ()	-

HISTORY

Cough	1.Yes () 2.No ()	-
Fever	1.Yes () 2.No ()	-
Fast breathing	1.Yes () 2.No ()	-
Dyspnea	1.Yes () 2.No ()	-
Wheezing	1.Yes () 2.No ()	-
Duration of illness (days)	-	-

PHYSICAL EXAMINATION

RR/minute	--- First count	---
	--- Second count	---
	--- Average	---
State of counting	1.Sleeping ()	-
	2.Awake,calm ()	
Heart rate/minute	---	---
Temperature (Celsius)	---.-	---.-
Body weight (Kg)	---.-	---.-

Height (cm)	----.-	----.-
Arm circumference colour	1.Green ()	-
	2.Yellow ()	.
	3.Red ()	.
Consciousness	1.Good ()	-
	2.Drowsy ()	.
Cyanosis	1.Yes () 2.No ()	-
Nasal flaring	1.Yes () 2.No ()	-
Grunting	1.Yes () 2.No ()	-
Chest indrawing	1.Yes () 2.No ()	-
Percussion	1.Sonor () 2.Dullness ()	-
Vesicular	1.Normal () 2.Increased()	-
	3.Decreased ()	.
Expiration	1.Normal () 2.Prolonged ()	-
Wheezing	1.Yes () 2.No ()	-
Ronchi	1.Yes () 2.No ()	-
Rales	1.Yes () 2.No ()	-
Diagnosis	1.Pneumonia ()	-
	2.Non pneumonia (),	.
	specify -----	.
TREATMENT		
Antibiotics	1.Yes (), -----	-
	2.No ()	.

LABORATORY

Haemoglobin (g/dl) ---.- ---.-

Leucocyte (thousand/ml) ----- -----

Differential 1.Normal () -

 2.Shift to left ()

 3.Lymphocytosis ()

Blood culture 1.Sterile () -

 2.S.pneumonia ()

 3.H.influenzae ()

 4.Others (),

specify -----

CHEST X-RAY I 1.Normal () -

 2.Scanty infiltrates ()

 3.Diffuse infiltrates ()

 4.Consolidation ()

 5.Others ()

specify -----

CHEST X-RAY II 1.Normal () -

 2.Scanty infiltrates ()

 3.Diffuse infiltrates ()

 4.Consolidation ()

 5.Others ()

specify -----

COMPLICATION	1. None	()	-
	2. Cor-pulmonale	()	
	3. Hypoxaemia	()	
	4. Resp. failure	()	
	5. Others	()	

specify -----

FOLLOW-UP	1. Recover	()	-
	2. Complication	()	
	3. Die	()	
	4. Not available	()	
	5. Discharge against advice	()	

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VITAE

Mrs. Magdalena Sidhartani Zain was born on August 1, 1946 in Jogjakarta, Indonesia. She graduated as a General Physician from the Faculty of Medicine, Diponegoro University, Semarang in 1973 and in 1978 further studied in Paediatrics and got the degree in 1983. And later in 1992 she got the degree of Consultant Paediatrician majoring in Pulmonary Diseases.

Since 1990 she is appointed as one of the National Programme Managers for the control of Acute Respiratory Tract Infections in Children by the Ministry of Health Republic of Indonesia.

She has been enrolled in the Master of Sciences in Health Development at Faculty of Medicine, Chulalongkorn University Bangkok under the THAI CERTC Consortium since June 1992.

She is now in charge of the Pulmonary Subdivision, Department of Child Health, Faculty of Medicine Diponegoro University in Semarang, Indonesia.