

8. Canakcioglu S, Tahamiler R, Saritzali G, Isildak H. Nasal patency by rhinomanometry in patients with sensation of nasal obstruction. *Am J Rhinol Allergy* 2009;23:300-2.
9. Starling R, Peake HL, Salome CM, Toelle BG, Ng KW, Marks GB et al. Repeatability of peak nasal inspiratory flow measurements and utility for assessing the severity of rhinitis. *Allergy* 2005;60:795-800.
10. Bermuller C, Kirsche H, Rettinger G, Riechelmann H. Diagnostik accuracy of peak nasal inspiratory flow and rhinomanometry in functional surgery. *Laryngoscope* 2008;118:605-10.
11. Bousquet PJ, Combescure C, Neukirch F, Klossek JM, Mechin H, Daures JP et al. Visual analog scales can assess the severity of rhinitis graded according to ARIA guidelines. *Allergy* 2007;62:367-72.
12. Ciprandi G, Klersy C, Ameli F, Cirillo I. Clininal assessment of nasal decongestion test by VAS in allergic rhinitis. *Am J Rhinol* 2008;22:502-5.
13. Suprihati. Patofisiologi dan klasifikasi rinitis alergi. *Med Perhati* 2004; 10:1-7.
14. Broide DH. Allergic rhinitis : Pathophysiology . *J Allergy Asthma Proc* 2010;31:370-4.
15. Abbas AK, Lichtman AH. *Cellular and Molecular Immunology*. 6th ed. Philadelphia: WB Saunders Company; 2007.
16. Caffrey TV. Nasal function and evaluation. In : Bailey BJ, Healy GB, Johnson JT, Jackler RK, editors. *Head and Neck Surgery Otolaryngology*. Philadelphia : Lippincott Williams and Wilkins; 2001:261-72.

17. Ramey JT, Bailen E, Lockey RF. Rhinitis medicamentosa. *J Investig Allergol Clin Immunol* 2006;1: 37-41.
18. Darmansjah I, Setiawati A, Ganiswara S. Susunan saraf otonom dan transmisi neurohormonal. Dalam : Ganiswara S, Setiabudi R, Suyatna FD, Purwastyastuti, editor. *Farmakologi dan Terapi*. Edisi ke-5. Jakarta : Gaya Baru; 2007:34-9.
19. Irawati N, Poerbonegoro NL, Kasakeyan E. Rinitis vasomotor. Dalam : Arsyad E, Iskandar N, Bashiruddin J, editor. *Buku Ajar Ilmu Kesehatan Telinga Hidung Tenggorok Kepala dan Leher*. Edisi ke-6. Jakarta : Balai Penerbit Fakultas Kedokteran Universitas Indonesia; 2007:135-8.
20. Naclerio RM, Bachert C, Baraniuk JN. Pathophysiology of nasal congestion. *Int J Gen Med* 2010;3:47-57.
21. Salib RJ, Haries PG, Nair SB, Howart PH. Mediators of nasal symptoms in allergic rhinitis. *Clin Exp Allergy* 2008;38:393-404.
22. Galli SJ, Tsai M, Piliponsky AM. The development of allergic inflammation. *Nature* 2008;454:445-54.
23. Burton M, Watkinson JC. Rhinology. In : Gleeson M, Burton M, Jones NS, Watkinson JC editors. *Scott Brown's Otolaryngology*. 7th ed. Oxford : Oxford University Press; 2009:235-42.
24. Jafek BW, Dodson BT. Nasal obstruction. In : Bailey BJ, Healy GB, Johnson JT, Jackler RK, editors. *Head and Neck Surgery Otolaryngology*. Philadelphia : Lippincott Williams and Wilkins; 2001:293-9.

25. Guyton AC, Hall JE. *Textbook of Medical Physiology*. 12th ed. Philadelphia: WB Saunders Company; 2006.
26. Ganong WF. *Review of Medical Physiology*. 21th ed. California: Lange Medical Pub; 2003.
27. Linn SJ. Nasal aerodynamics [internet]. 2007 [updated 2007 Mar 13; cited 2010 Nov 25]. Available from :
<http://www.emedicine.medscape.com/article/874822>
28. Cummings CW, Haughey BH, Thomas JR. *Otolaryngology Head and Neck Surgery*. 4th ed. Philadelphia: Elsevier; 2005.
29. Rao JJ, Kumar V, Babu KR. Classification of nasal deviations-relation to sinonasal pathology. *Indian J Otolaryngol Head Neck Surg* 2005; 57(3):66-71.
30. Kroue J, Lund V, Fokkens W, Meltzer EO. Diagnostic strategies in nasal congestion. *Int J Gen Med* 2010;3:59-67.
31. Wilson A. Airflow obstruction and peak nasal inspiratory flow [internet]. 2003 [updated 2003 Nov 25; cited 2010 Des 15]. Available from :
<http://www.clement-clarke.com>
32. Jose J, Ell SR. The association of subjective nasal patency with peak inspiratory nasal flow in large healthy population. *Clin Otolaryngol* 2003;28:352-4
33. Hirschberg A. Rhinomanometry : an update. *ORL J Otorhinolaryngol* 2002;64:263-7.

34. Gomes D, Camargos PA, Ibiapina CD. Pain measurement in human. *Surg J R Coll Surg Edinb Irel* 2004;6:15-27.
35. Dauphin AP, Guillemin F, Virion JM, Briancon S. Bias and precision in visual analog scales: a randomized controlled trial. *Am J Epidemiol* 2000;150(10):1117-27.
36. Clement Clarke International. How to measure peak nasal inspiratory flow [internet].2004 [updated 2004 feb 6; cited 2010 Des 12]. Available from : <http://www.clement-clarke.com/home/index.html>
37. Raza MT, Chan YH. Correlation of body mass index, weight and height with nasal cavity geometry in adult Singaporeans. *Clin Exp Allergy* 2004;34:1085-93.
38. Papachristou A, Bourli E, Aivazi D, Futzila E, Papastavrou Th, Korskandinidis TH, et al. Normal peak inspiratory flow rate values in Greek children and adolescents. *Hippokratia* 2008;12(2): 94-7.
39. Klossek JM, Lebreton JP, Delagranda A, Dufour X. PNIF measurement in a healthy French population. A prospective study about 234 patients. *Rhinology* 2009;47:389-92.
40. Trapp RG. Evaluating diagnostic procedure. In: Saunders BD, editor. *Basic and Clinical Biostatistics*. East Norwalk: Appleton Lange;1990:229-43.
41. Pusponegoro HD, Wirya W, Pudjiadi AH, Bisanto J, Zulkarnain SZ. Uji diagnostik. Dalam : Sastroasmoro S, Ismail S, editor. *Dasar-dasar Metodologi Penelitian Klinis*. Jakarta : Sagung seto; 2008: 193-214.

42. Sumarman I, Harjanto, Asnominanda, Teti Rahim, Sulama W H. The predominant major indoor aeroallergens, the symptoms grade and its suspected impact against quality of life of perennial allergic rhinitis among residents of Bandung and patients of ENT clinics. *MKB* 2002;34:23-32.
43. Javed S. Allergic rhinitis [internet]. 2009 [cited 2011 June 14]. Available from : <http://www.emedicine.com/med/topic104.htm>
44. Badash M. Risk factor for allergic rhinitis [internet]. 2008 [cited 2011 June 14]. Available from: <http://www.mbhs.org/healthgate/GetHGCCContent.aspx>
45. Sheikh J. Allergic rhinitis [internet]. 2009 [cited 2011 July 5]. Available from: http://www.emedicine.medscape.com/allergy_immunology
46. Zaenudin H. Permasalahan sekitar rinitis alergi. Dalam : Soepardjo H, SS Bambang, Suprihati, editors. Kumpulan naskah ilmiah konas XII PERHATI. Semarang : Badan penerbit universitas diponegoro Semarang, 1999 : 648-74
47. Hommers L. Infectious and allergic disease. *Eur j Public Health* 2007;17:278-84.
48. Wang DY, Goh YT, Lee BW, Chan YH. Acoustic rhinometry in nasal allergen challenge study: which dimensional measure are meaningful?. *Clin Exp Allergy* 2004;34:1093-98.
49. Antonicelli L, Micucci C, Valtolini S, Senna GE, Blasi PD, Visona G, et al. Relationship between ARIA classification and drug treatment in allergic rhinitis and asthma. *Allergy* 2007;62:1064-70.
50. Utama DS. Hubungan antara jenis aeroalergen dengan manifestasi klinis rhinitis alergika (Tesis). Semarang : Universitas Diponegoro; 2010.

51. Brasch C, Haagerup A, Berglum A, Vestbo J, Kruse T. Highly significant linkage to chromosome 3q13.31 for rhinitis and related allergic disease. *J Med Genet* 2006;43(3):10.
52. Tan W. Epidemiology of allergic rhinitis and its associated risk factor in Singapore. *Int. J. Epidemiol* 1994;23(3):553-8.
53. Badan Meteorologi Klimatologi dan Geofisika. Prakiraan cuaca kota propinsi Indonesia [internet]. 2009 [cited 2011 june 24]. Available from: <http://www.bmg.go.id/cuaca-indo1.bmkg>
54. Mygind N, Naclerio R. Allergic and Non Allergic Rhinitis Clinical Aspec. 1th ed. Copenhagen : S. Paul; 1993.
55. Jessen M, Malm L. Use of pharmacologic decongestion in the generation of rhinomanometric norms for the nasal airway. *Am J Otolaryngol* 2001;9:336-40.
56. Greenberg RS. Diagnostic testing. In: Daniels SR, Flanders WD, Eley JW, Boring JR, Editors. *Medical Epidemiology*. Charleston: Prentice-Hall International; 1996:75-83.