

DAFTAR PUSTAKA

1. Wasitaatmadja SM. Akne, erupsi akneiformis, roasea, rinofima. Dalam : Djuanda A, Hamzah M, Aisah S. Eds. Ilmu Penyakit Kulit dan Kelamin. Edisi ke-6. Jakarta : Fakultas Kedokteran Universitas Indonesia. 2010: 253-9.
2. Zaenglein AL, Graber EM, Thiboutot DM. Acne vulgaris and acneiform eruptions. In: Wolff K, Goldsmith LA, Katz SI, Gilchrist BA, Paller AS, Leffel DJ, editors. Fitzpatrick Dermatology in general medicine. Edisi ke-8. New York: McGraw Hill; 2012: 897-917.
3. Kelompok studi dermatologi kosmetik Indonesia. Perhimpunan Dokter Spesialis Kulit dan Kelamin Indonesia, Pedoman tata laksana akne di Indonesia. Perpustakaan Nasional. 2015; 2:1-13.
4. Tan JKL, Bhate K. A global perspective on the epidemiology of acne. *British Journal of Dermatology*. 2015; 172: 3-13.
5. Hay RJ, Johns NE, Williams HC. The global burden of skin disease in 2010: An analysis of the prevalence and impact of skin conditions. *Journal Investigative Dermatology*. 2013; 134: 1527-34.
6. Salim Y. Profil akne vulgaris di Poliklinik Kulit dan Kelamin Kelamin RSUP DR M Djamil Padang 2013-2015. Dalam: Pertemuan Ilmiah Tahunan 2016 Padang; 2016: 1-3
7. Shah J, Parmar D. A complete review on acne vulgaris. *Journal of Advanced Medical and Dental Sciences Research*. 2015; 3: 20-24.
8. Schaller M, Plewig G. Structure and function of eccrine, apocrine, apoecrine and sebaceous glands. In: Bologna JL, Jorizzo JL, Rapini R Horn TD, Mascaró JM, Mancini AJ, et al editors. *Dermatology*. Edinburgh: Mosby. 2003: 525-43.
9. Kucharska A, Szmurto A, Siriska B. Significance of diet in treated and untreated acne vulgaris. *Advances Dermatology Allergology*. 2016; 33: 81-86.
10. Lazon. Z, Amitai D.B, Effect of insulin-like growth factor deficiency or administration on the occurrence of acne. *Journal of European Academy of Dermatology and Venereology*. 2011; 25: 950-954.
11. Napolitano M, Megna M, Monfrecola G. Insuline resistance and skin diseases. *The Scientific World Journal*. 2015; 12: 1-11.
12. Parekh N, Roberts C, Valdiveloo M. Lifestyle, anthropometric, and obesity-related physiologic determinants of insulin-like growth factor-1 in the third

national health and examination survey 1998-1994. *Annals Epidemiology*. 2010; 20; 182-93.

13. Akhyar G. Hubungan kadar *insuline-like growth factor-1* (IGF-1) serum dan dihidrotestosterone serum dengan tingkat keparahan akne vulgaris. Tesis Program Pendidikan Dokter Spesialis Fakultas kedokteran Universitas Andalas. 2014; 40-54
14. Friedrich N, Haring R, Nauck M, Ludmann J, Roskopf D, Spilcke-Liss E. Mortality and serum insulin-like growth factor (IGF)-1 and IGF binding protein 3 concentration. *Journal of Clinical Endocrinology Metabolism*. 2009; 94: 1732-1739.
15. Procaccini C, Rosa VD, Galgani M, Carbone F, Rocca CL, Formisano L, et al. Role of adipokines signaling in the modulation of T cells function. *Frontiers in Immunology*. 2014; 4: 1-12.
16. Ozugus P, Kacar SD, Asik G, Ozugus U, Karatas S. Evaluation of leptin, adiponectin and ghrelin levels in patients with acne vulgaris. *Human and Experimental Toxicology*. 2016; 10: 1-5.
17. Mi J, Munkonda MN, Li M. Adipokin and leptin metabolik biomarkers in chinese children and adolescents. *Journal of Obesity*. 2010;10:1-11.
18. Ahrens K, Mumford SL, Schliep KC, Kissel KA, Perkins NJ. Serum leptin levels and reproductive function during the menstrual cycle. *American Journal of Obstetrics Gynecology*. 2015; 210; 1-7.
19. Melnik BC. Is sebocyte-derived leptin the missing link between hyperseborrhea, ductal hypoxia, inflammation and comedogenesis in acne? *Experimental Dermatology*. 2016; 25: 181-182.
20. Melnik BC, Linking diet to acne metabolomics, inflammation, and comedogenesis: an update. *Clinical, Cosmetic and Investigational Dermatology*. 2015; 371-388- 5.
21. Zouboulis CC. Hormonal influences on the sebocyte. *Dermofocus Acne in Adult Women*. 2105; 52: 9-23.
22. Kaymak Y, Adisen E, Ilter N, Bideci A, Gurler D, Celik B. Dietary glicemic index and glucose, insulin, insulin-like growth factor-I, insulin-like growth factor binding protein 3, and leptin levels in patients with acne. *Journal of American Academy of Dermatology*. 2007; 57: 819-23.
23. Karadag AS, Ertugrul DT, Takci Z. The effect of isotretinoin on retinol-binding protein 4, leptin, adiponectin and insulin resistance in acne vulgaris patient. *Dermatology*. 2015; 1: 1-5.

24. Cemil BC, Ayvaz HH, Ozturk G. Effects of isotretinoin on body mass index, serum adiponectin, leptin and ghrelin levels in acne vulgaris. *Advances in Dermatology and Allergology*. 2016; 33: 294-299.
25. Bowe WP, Shalita AR. Introduction: epidemiology, cost, and psychosocial implication. Dalam: Shalita RA, Rosso JQ, Webster GS, editor. *Acne Vulgaris*. edisi ke-1. New-York: Informa Healthcare. 2011: 1-3.
26. Johar DA. Management of acne. *JAMA Clinical Practice Guidelines*. 2012;316:1402-1404.
27. Zaenglein AL, Pathy AL, Schlosser BJ, Alikan A. Guidelines of care for the management of acne vulgaris. *Journal of American Academy of Dermatology*. 2016; 2: 1-15.
28. Nast A, Dreno B, Degitz K, Erdman R, Finlay Y. European evidence based guidelines for the treatment of acne. *Journal of the European Accademy and Venereology* 2012; 26: 1-29
29. Simpson NB, Cunliffe WJ. Disorder of the sebaceous glands. In: Burns T, Breathnachs S, Cox N, Griffiths C, editors. *Rook's Textbook of dermatology*. Edisi ke-8. UK: Blackwell; 2010: 42.1-38.
30. Lehmann HP, Robinson KA, Andrew JS. Acne therapy: A methodologic review. *Journal of American Academy of Dermatology*. 2002; 47:231-40.
31. Faggioni R, Feingold KR, Grunfeld C, Leptin regulation of immune response and the immunodeficiency of malnutrition. *The FASEB Journal*. 2001;157:2565-71.
32. Prokop JW, Duff RJ, Ball HC. Leptin and leptin reseptor: Analysis of structure to function relationship in interaction and evolution from humans to fish. *PubMed Central*. 2012; 38: 326-36.
33. Materese G, Montzoros CS. Leptin in immunology. *Journal of Immunology*. 2005; 174: 3137-42.
34. Maskari MY, Alnaqdy AA. Correlation between serum leptin levels, body mass index and obesity in imanis. *Sultan Qaboos University Medical Journal*. 2006; 6: 27-31.
35. Paracchini V, Pedotti P, Taioli E. Genetic of leptin and obesity. *American Journal of Epidemiology*. 2005;162:101-14.
36. Safoury OE., Fawzy MM., Abdel-Hay RM, Hassan AS., El-Maadawi ZM., Rashed LA. Increased tissue leptin hormone level and mast cell count in skin tags: a possible role of adipoimmune in the growth of benign skin growths. *Indian Journal of Dermatology*. 2010; 76: 538-42.

37. Kelesidis T, Kelesiditis I, Chou S, Mantzoros CS. The role of leptin in human physiology: emerging clinical application. *Annals of Internal Medicine*. 2010; 152: 93-100.
38. Radic R, Nikolic V, Karner I, Kosovic P. Circadian rhythm of blood leptin level in obese and non obese people. *Collegium Antropologicum*. 2003; 27: 555-561.
39. Asao K, Marekani AS, Cleave JV, Rothberg AE. Leptin level and skipping breakfast: The National Health and Nutrition Examination survey III (NHANES III) Nutrient. 2016; 8: 115-127.
40. Leptin Elisa. Expected normal value. DBC Diagnostic Biochem Canada Inc. 2015.
41. Kazmi A, Sattar A, Hashim R, Khan SP, Younus M. Serum leptin value in the healthy obese and non obese subjects of Rawalpindi. *Journal of Pakistan Medical Association*. 2013; 63: 245-248.
42. Materese G, Sanna V, Fontana S, Zappacosta S, leptin as a novel therapeutic target for immune intervention. *Current Drug Target Inflammation Allergy*. 2002; 1: 13-22.
43. Shaheen MA, Fattah NS, Sayed NA, Saad AA. Assessment of serum leptin, insulin resistance and metabolic syndrome in patients with skin tags. *Journal of European Academy of Dermatology and Venereology*. 2011; 10: 1-6.
44. Bluher S, Mantzoros CS. Leptin in humans: lessons from translational research. *American Journal of Clinical Nutrition*. 2009; 3: 89-99.
45. Farooqi IS, O'Rahilly S. Leptin: A pivotal regulator of human energy homeostasis. *American Journal of Clinical Nutrition*. 2009; 89: 980-4.
46. Tadokoro S, Ide S, Tokuyama, Umeki H, Tatehara S. Leptin promotes wound healing in the skin. *Plos One* 2015; 3: 1-16.
47. Torocsik D, Kovacs D, Camera E, Lovaszi M, Cseri K, Nagy GG. Leptin promotes A pro-inflammatory lipid profile and induces inflammatory pathways in human SZ95 sebocytes. *British journal of Dermatology* 2014; 12: 1-55.
48. Kovacs D, Lovaszi M, Poliska S, Olah A, Biro, T. Sebocytes differentially and secrete apokines. *Experimental dermatology* 2016; 25: 194-199.
49. Bluher S, Mantzoros CS. Leptin in humans: lessons from translational research. *American Journal of Clinical Nutrition*. 2009; 89: 991-7.
50. Kovacs D. Role of adipokines in sebaceous glands biology. Short Thesis For The Doctor of Philosophy 2016.

51. Melnik BC. Western diet induced imbalances of Fox1 and mTORC1 signalling promote the sebofollicular inflammasomopathy acne vulgaris. *Experimental Dermatology* 2016; 25:103-104.
52. Ellis T. Normal range of HGH(human growth hormone) and IGF-1 at various age according to Smith Kline and French. Sitasi: Oktober 2003, tersedia di <http://www.rajeun.net/hormonetable.html>.
53. Saleh BO. Role of growth hormone and insulinlike growth factor-1 in hyperandrogenism and the severity of acne vulgaris in young males. *Saudi Medical Journal*. 2012; 33; 1196-200.
54. Subarjati A. Hubungan indeks massa tubuh dengan kadar leptin dan adiponektin. Artikel Penelitian Program Studi S-1 Ilmu Gizi Fakultas Kedokteran Universitas Diponegoro, 2015.
55. Abulnaja KO. Changes in the hormone and lipid profile of obese adolescent Saudi females with acne vulgaris. *Brazilian Journal of Medical and Biological Research*. 2009; 42: 23-27
56. Uslu G, Sendur N, Uslu M. Acne: prevalence, perceptions and effects on psychological health among adolescents in Aydin, Turkey. *Journal of the European Academy of Dermatology Venereology*. 2008; 22: 462–9.
57. Shahzad N, Nasir J, Ikram U et al. Frequency and psychosocial impact of acne on university and college students. *Journal of the College of Physicians Surgeons Pakistan*. 2011; 21: 442–3.
58. Ratnasari IPA, Indira IG. profil tingkat stres psikologis terhadap derajat keparahan akne vulgaris pada siswa sekolah menengah atas di denpasar. *E Jurnal Medika*. 2017; 6: 1-6.
59. Behnam B, Taheri R, Ghorbani R, Allameh P. Psychological impairments in the patients with acne . *Indian Journal of Dermatol*. 2013; 58: 26-9.
60. Bagatin E, Guadanhim LR, Terzian LR, Florez M, Timpano DL, Nogueira. Acne vulgaris: prevalence and clinical forms in adolescents from São Paulo, Brazil. *Anais Brasileiros Dermatologia*. 2014; 89: 428-35.
61. Wulan IGA, Hidayati AF, Sukanto H. Profil kadar *insulin-like growth factor-1* (IGF-1) serum pada pasien akne vulgaris. *Periodical of Dermatology and Venereology*. 2016; 28: 26-33.
62. Deplewski D, Rosenfield RL. Growth hormone and insulin-like growth factors have different effects on sebaceous cell growth and differentiation. *Endocrinology*. 1999; 140: 408-994.
63. Rahaman SMA, De D, Handa S, Pal A, Sachdeva N, Ghosh T. Association of insuli-like growth factor (IGF)-1 gen polymorphism with plasma levels of

IGF-1 and acne severity. *Journal of American Academy of Dermatol.* 2016; 32: 1-6.

64. Ismail NH, Manaf ZA, Azizan NZ. High glyceic load diet, milk and ice cream consumption are related to acne vulgaris in Malaysian young adult: a case control study. *BMC Dermatology.* 2012; 12: 1-8.



