

DAFTAR PUSTAKA

- Abdullah, L, Luis, C, Paris, D, Ait-ghezala, G, Mouzon, B, Allen, E et al. 2009, 'High serum A β and vascular risk factors in first-degree relatives of alzheimer's disease patients', *Mol Med*, vol. 15, no. 3-4, pp. 95-100.
- Aftab, MF & Waraich, RS 2012, 'A review of biochemical markers for early diagnosis of alzheimer's disease', *Am J neurosci*, vol. 3, no. 2, pp. 54-62.
- American Diabetes Association 2010, 'Diagnosis and classification of diabetes mellitus', *Diabetes Care*, vol. 33, no. 1, pp. S62-S69.
- American Diabetes Association 2014, 'Standards of medical care in diabetes-2014', *Diabetes Care*, vol. 37, no. 1, pp. S14-S79.
- Awad, N, Gagnon, M & Messier, C 2004, 'The relationship between impaired glucose tolerance, type 2 diabetes, and cognitive function', *J Clin Exp Neuropsychol*, vol. 26, pp. 1044-1080.
- Badan Penelitian dan Pengembangan Kesehatan Kemenkes RI 2013, *Riset kesehatan dasar 2013*, Kementerian Kesehatan RI, viewed 15 July 2014, <depkes.go.id/downloads/riskesdas2013/Hasil%20Risikesdas%202013.pdf>
- Bailey, JA, Maloney, B, Ge, YW & Lahiri, DK 2011, 'Functional activity of the novel alzheimer's amyloid β -peptide interacting domain (A β ID) in the APP and BACE1 promoter sequences and implications in activating apoptotic genes and in amyloidogenesis', *Gene*, vol. 488, no. 1-2, pp. 13-22.
- Bailey, P 2007, 'Biological markers in Alzheimer's Disease', *Can J Neurol Sci*, vol. 34, no. 1, pp. 72-76.
- Baker, LD, Cross, DJ, Minoshima, S, Belongia, D, Watson, GS & Craft, S 2011, 'Insulin resistance and Alzheimer-like reductions in regional cerebral glucose metabolism for cognitively normal adults with prediabetes or early type 2 diabetes', *Arch Neurol*, vol. 68, no. 1, pp. 51-57.
- Biessels, GJ, Staekenborg, S, Brunner, E, Brayne, C & Scheltens, P 2006, 'Risk of dementia in diabetes mellitus: a systematic review', *Lancet Neurol*, vol. 5, pp. 64-74.

- Bitan, G, Kirkitadze, MD, Lomakin, A, Vollers, SS, Benedek, GB & Teplow, DB 2003, 'Amyloid β -protein ($A\beta$) assembly: $A\beta$ 40 and $A\beta$ 42 oligomerize through distinct pathways', *PNAS*, vol. 100, no. 1, pp. 330-335.
- Burdick, D, Soreghan, B, Kwon, M, Kosmoski, J, Knauer, M, Henschen, A et al. 1992, 'Assembly and aggregation properties of synthetic Alzheimer's A4/b-amyloid peptide analogs', *J Biol Chem*, vol. 267, no. 1, pp. 546-554.
- Butterfield, DA, Reed, T, Newman, SF & Sultana, R 2007, Roles of amyloid β -peptide-associated oxidative stress and brain protein modification in the pathogenesis of alzheimer's disease and mild cognitive impairment, *Free Radic Biol Med*, vol. 43, no. 5, pp. 658-677.
- Craft, S & Watson, GS 2004, 'Insulin and neurodegenerative disease: shared and specific mechanisms', *Lancet Neurol*, vol. 3, pp. 169-178.
- Crawford, JR, Bjorklund, NL, Tagliabue, G & Gomer, RH 2012, 'Brain serum amyloid p level are reduced in individuals that lack dementia while having alzheimer's disease neuropathology', *Neurochem Res*, vol. 37, pp. 795-801.
- Dahlan, MS 2011, *Statistik untuk kedokteran dan kesehatan*, 5 edn, Salemba Medika, Jakarta.
- den Heijer, T, Vermeer, SE & van Dijk, EJ 2003, 'Type 2 diabetes and atrophy of medial temporal lobe structures on brain MRI', *Diabetologia*, vol. 46, pp. 1604-1610.
- Dries, DR, Yu, G & Herz, J 2012, 'Extracting β -amyloid from alzheimer's disease', *PNAS*, vol. 109, no. 9, pp. 3199-3200.
- Farris, W, Mansourian, S, Chang, Y, Lindsley, L, Eckman, EA, Frosch, MP et al. 2003, 'Insulin-degrading enzyme regulates the levels of insulin, amyloid beta-protein, and the betaamyloid precursor protein intracellular domain in vivo', *PNAS*, vol. 100, no. 7, pp. 4162-4167.
- Gasparini, L & Xu, H 2003, 'Potential roles of insulin and IGF-1 in Alzheimer's disease', *Trends Neurosci*, vol. 26, pp. 404-406.
- Gasparini, L, Gouras, GK, Wang, R, Gross, RS, Beal, MF, Greengard, P et al. 2001, 'Stimulation of β -amyloid precursor protein trafficking by insulin reduces intraneuronal β -amyloid and requires

- mitogenactivated protein kinase signaling', *J Neurosci*, vol. 21, no. 8, pp. 2561-2570.
- Graff-Radford, NR, Crook, JE, Lucas, J, Boeve, BF, Knopman, DS, Ivnik, RJ et al. 2007, 'Association of low plasma A β 42/A β 40 ratios with increased imminent risk for mild cognitive impairment and Alzheimer disease', *Arch Neurol*, vol. 64, pp. 354-362.
- Haglund, M, Kalaria, R, Slade, JY & Englund, E 2006, 'Differential deposition of amyloid β peptides in cerebral amyloid angiopathy associated with Alzheimer's disease and vascular dementia', *Acta Neuropathol*, vol. 111, pp. 430-435.
- International Diabetes Federation 2013, *IDF diabetes atlas sixth edition*, IDF, viewed 15 July 2014, <http://www.idf.org/sites/default/files/EN_6E_Atlas_Full_0.pdf>
- Johnson, PC, Brenedel, K & Meezan, E 1982, 'Thickened cerebral cortical capillary basement membranes in diabetics', *Arch Pathol Lab Med*, vol. 106, pp. 214-217.
- Kalmijn, S, Feskens, EJM, Launer, LJ, Stijnen, T & Kromhout, D 1995, 'Glucose intolerance, hyperinsulinaemia and cognitive function in a general population of elderly men', *Diabetologia*, vol. 38, no. 9, pp. 1096-10102.
- Kataria, L, Pandya, H, Shah, S, Shah, H & Gerg, R 2013, 'Prevalence and pattern of cognitive dysfunction in type 2 diabetes mellitus', *IJMAS*, vol. 2, no. 4, pp. 245-252.
- Kodl, CT & Seaquist, ER 2008, 'Cognitive dysfunction and diabetes mellitus', *Endocrine Reviews*, vol. 29, no. 4, pp. 494-511.
- Kolegium Psikiatri Indonesia 2008, *Program Pendidikan Dokter Spesialis Psikiatri*, Modul Psikiatri, viewed 17 September 2014, <http://repository.usu.ac.id/bitstream/123456789/33582/1/Appendix.pdf>
- Kuusisto, J, Koivisto, K, Mykkanen L, Helkala, EL, Vanhanen, M & Hanninen, T 1997, 'Association between features of the insulin resistance syndrome and Alzheimer's disease independently of apolipoprotein E4 phenotype: cross sectional population based study', *BMJI*, vol. 315, pp. 1045-1049.

- Ling, X, Martins, RN, Racchi, M, Craft, S & Helmerhorst, E 2002, 'Amyloid beta antagonizes insulin promoted secretion of the amyloid beta protein precursor', *J Alzheimers Dis*, vol. 4, no. 5, pp. 369-374.
- Lopez, OL, Kuller, LH, Mehta, PD, Becker, JT, Gach, HM, Sweet, RA et al. 2008, 'Plasma amyloid levels and the risk of AD in normal subjects in the cardiovascular health study', *Neurology*, vol. 70, no. 19, pp. 1664-1671.
- Luchsinger, JA, Reitz, C, Patel, B, Tang, MX, Manly, JJ & Mayeux R 2007, 'Relation of diabetes to mild cognitive impairment', *Arch Neurol*, vol. 64, pp. 570-575.
- MacLulich, AMJ & Seckl, JR 2008, 'Diabetes and cognitive decline: are steroids missing link?', *Cell Metabolism*, vol. 7, pp. 286-287.
- Peila, R, Rodriguez, BL & Launer, LJ 2002, 'Type 2 diabetes, APOE gene, and the risk for dementia and related pathologies: the Honolulu-Asia Aging Study', *Diabetes*, vol. 51, pp. 1256-1262.
- PERKENI 2011, *Konsensus pengelolaan dan pencegahan diabetes mellitus tipe 2 di Indonesia*, PERKENI, viewed 15 July 2014, <<http://perkeni.org/download/Konsensus%20DM%202011.zip>>
- Pluta, R, Barcikowska, M, Misicka, A, Lipkowski, AW, Spisacka, S & Januszewski, S 1999, 'Ischemic rats as a model in the study of the neurobiological role of human b-amyloid peptide: time-dependent disappearing diffuse amyloid plaques in brain', *Neuroreport*, vol. 10, pp. 3615-3619.
- Powers, AC 2012, 'Diabetes mellitus', in DL Longo, DL Kasper, JL Jameson, AS Fauci, SL Hauser & J Loscalzo (eds), *Harrison's principles of internal medicine*, 18 edn, The McGraw-Hill Companies, pp. 2968-3002.
- Roberts, RO, Geda, YE, Knopman, DS, Christianson, TJH, Pankratz, VS, Boeve, BF et al. 2008, 'Association of duration and severity of diabetes mellitus with mild cognitive impairment', *Arch Neurol*, vol. 65, no. 8, pp. 1066-1073.
- Roriz-Filho, JS, Sa-Roriz, TM, Rossel, I, Camozzato, AL, Santos, AC, Chaves, MLF et al. 2009, '(Pre)diabetes, brain aging, and cognition', *BBA-Mol Basis Dis*, vol. 1792, no. 5, pp. 432-443.

- Sargeant, LA, Khaw, KT, Bingham, S, Day, NE, Luben, RN, Oakes, S et al. 2001, 'Cigarette smoking and glycaemia: the Epic-Norfolk study', *Int J Epidemiol*, vol. 30, pp. 547-554.
- Schmidt, R, Launer, LJ & Nilsson, LG 2004, 'Magnetic resonance imaging of the brain in diabetes: the Cardiovascular Determinants of Dementia (CASCADE) Study', *Diabetes*, vol. 53, pp. 687-692.
- Seeher, K, Withall, A & Brodaty, H 2011, Dementia research mapping project-the 2010 updated, Australian Government Dementia Health Priority Initiative, viewed 24 August 2014, <<http://www.dementiaresearch.org.au/images/dcrc/pdf/drm.pdf>>
- Seet, RCS, Loke, WM, Khoo, CM, Chew, SE, Chong, WL, Quek, AML et al. 2012, 'Acute effects of cigarette smoking on insulin resistance and arterial stiffness in young adults', *Atherosclerosis*, vol. 224, no. 195-200.
- Seyfaddini, R 2006, 'Cognitive function in diabetes mellitus patients', *Am J Appl Sci*, vol. 3, no. 1, pp. 1682-1684.
- Stewart, R & Liolitsa, D 1999, 'Type 2 diabetes mellitus, cognitive impairment and dementia', *Diabet Med*, vol. 16, pp. 93-112.
- Strachan, MWJ, Deary, IJ, Ewing, FME & Frier, BM 1997, 'Is type II diabetes associated with an increased risk of cognitive dysfunction? A critical review of published studies', *Diabetes Care*, vol. 20, pp. 438-445.
- Suharsono, Astuti & Dahlan, P 2007, 'Diabetes mellitus and risk of cognitive impairment', *BNS*, vol. 8, no. 2, pp. 59-61.
- Tapiola, T 2001, *Biological markers for Alzheimer's Disease: with special emphasis on cerebrospinal fluid β -amyloid and tau*, disertasi, Kuopio, University of Kuopio.
- Tekin, O, Cukur, S, Karadag, R, Tunca, A, Goktas, O & Ozkara, A 2009, 'Cognitive impairment among type-2 diabetic subjects and its relationship with long-term complications', *Tubitak*, vol. 39, no.5, pp. 661-669.
- Toledo, JB, Vanderstichele, H, Figurski, M, Aisen, PS, Petersen, RC, Weiner, MW et al. 2011, 'Factors affecting A β plasma levels and their utility as biomarkers in ADNI', *Acta Neuropathol*, vol. 122, pp. 401-413.

- van Oijen, M, Hofman, A, Soares, HD, Koudstaal, PJ & Breteler, MM 2006, 'Plasma A β ₁₋₄₀ and A β ₁₋₄₂ and the risk of dementia: a prospective case-cohort study', *Lancet Neurol*, vol. 5, no. 8, pp. 655-660.
- Vigo-Pelfrey, C, Lee, D, Keim, P, Lieberburg, I & Schenk, DB 1993, 'Characterization of b-amyloid peptide from human cerebrospinal fluid', *J Neurochem*, vol. 61, pp. 1965-1968.
- WHO 2014, *Diabetes programme*, WHO, viewed 13 July 2014, <<http://www.who.int/diabetes/en/>>
- Wild, S, Roglic, G, Green, A, Sicree, R & King, H 2004, 'Global prevalence of diabetes: Estimates for the year 2000 and projections for 2030', *Diabetes Care*, vol. 27, no. 5, pp. 1047-1053.
- World Health Organization 2006, *Definition and diagnosis of diabetes mellitus and intermediate hyperglycaemia: report of a who/idf consultation*, WHO, viewed 28 August 2014, <https://www.google.co.id/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0CB8QFjAA&url=http%3A%2F%2Fwww.who.int%2Fdiabetes%2Fpublications%2FDefinition%2520and%2520diagnosis%2520of%2520diabetes_new.pdf&ei=os7-U7GSJ8yIuAS5yIDwDg&usq=AFQjCNft5teWEODtEkEpszp04-6K6uQlgw&bvm=bv.74035653,d.c2E>
- Younkin, SG 1995, 'Evidence that A β ₄₂ is the real culprit in Alzheimer's disease', *Ann Neurol*, vol. 37, pp. 287-288.