

## DAFTAR PUSTAKA

- Ahmad Susanto. (2011). *Perkembangan Anak Usia Dini*. Kencana Prenada. Media Group.
- AKG. (2019). ANGKA KECUKUPAN GIZI YANG DIANJURKAN UNTUK MASYARAKAT INDONESIA DENGAN. *Carbohydrate Polymers*, 6(1), 5–10.
- Alagiakrishnan, K., Zhao, N., Mereu, L., Senior, P., & Senthilselvan, A. (2013). *Montreal Cognitive Assessment Is Superior to Standardized Mini-Mental Status Exam in Detecting Mild Cognitive Impairment in the Middle-Aged and Elderly Patients with Type 2 Diabetes Mellitus*. <https://doi.org/10.1155/2013/186106>
- Almatsier, S. (2004). *Prinsip Dasar Ilmu Gizi*. PT. Gramedia Pustaka Utama.
- American Diabetes Association. (2010). *Position statement: Standards of Medical Care in Diabetes 2010*. *Diab Care*. 2010.
- Anna, V., David, S. A., Christian, N. E. D., Per, U., E, V. S., Harald, N., Knut, E., Grethe, T., & Refsum, H. (2013). Cognitive Function in an Elderly Population Interaction Between Vitamin B12 Status, Depression, and Apolipoprotein E. *Journal of Biobehavioral Medicine*, 75(1), 20–29.
- Arania, R., Triwahyuni, T., Esfandiari, F., & Nugraha, F. R. (2021). Hubungan Antara Usia, Jenis Kelamin, Dan Tingkat Pendidikan Dengan Kejadian Diabetes Mellitus Di Klinik Mardi Waluyo Lampung Tengah. *Jurnal Medika Malahayati*, 5(3), 146–153. <https://doi.org/10.33024/jmm.v5i3.4200>
- Artaya, I. P. (2019). Uji Rank Spearman. *ResearchGate*, January, 3–5. <https://doi.org/10.13140/RG.2.2.16006.01606>
- Ayutthaya, S. S., & Adnan, N. (2020). Faktor Risiko Hipertensi pada Penderita Diabetes Mellitus Tipe 2. *Jurnal Ilmu Kesehatan Masyarakat*, 9(02), 60–71. <https://doi.org/10.33221/jikm.v9i02.512>
- Bhatt, H., Saklani, S., & Upadhayay, K. (2016). Anti-oxidant and anti-diabetic activities of ethanolic extract of *Primula Denticulata* Flowers. *Indonesian*

*Journal of Pharmacy*, 27(2), 74–79.  
<https://doi.org/10.14499/indonesianjpharm27iss2pp74>

Bloemer, J., Bhattacharya, S., Amin, R., & Suppiramaniam, V. (2014). *Impaired Insulin Signaling and Mechanisms of Memory Loss*. 121, 413–449.  
<https://doi.org/10.1016/B978-0-12-800101-1.00013-2>

Brownlee, M. (2005). The pathobiology of diabetic complications: A unifying mechanism. *Diabetes*, 54(6), 1615–1625.  
<https://doi.org/10.2337/diabetes.54.6.1615>

Cerasuolo, J. O., Cipriano, L. E., Sposato, L. A., & Kapral, M. K. (2017). Population-based stroke and Dementia Incidence Trends: Age and Sex Variations. *Alzheimer's & Dementia*, 13(10), 1081–1088.

Clarke, R., Birks, J., Nexo, E., Ueland, P. M., Schneede, J., Scott, J., Molloy, A., & Evans, J. G. (2007). Low vitamin B-12 status and risk of cognitive decline in older adults. *American Journal of Clinical Nutrition*, 86(5), 1384–1391.  
<https://doi.org/10.1093/ajcn/86.5.1384>

Clarke, R., Smith, A. D., Jobst, K. A., Refsum, H., Sutton, L., & Ueland, P. M. (1998). Folate, vitamin B12, and serum total homocysteine levels in confirmed Alzheimer disease. *Archives of Neurology*, 55(11), 1449–1455.  
<https://doi.org/10.1001/archneur.55.11.1449>

Crystal, H. A., Ortof, E., Frishman, W. H., Gruber, A., Hersman, D., & Aronson, M. (1994). Serum Vitamin B12 Levels and Incidence of Dementia in a Healthy Elderly Population: A Report from the Bronx Longitudinal Aging Study. *Journal of American Geriatrics Society*, 42(9), 933–936.  
<https://doi.org/10.1111/j.1532-5415.1994.tb06583.x>

Cukierman, T., Gerstein, H. C., & Williamson, J. D. (2005). Cognitive decline and dementia in diabetes - Systematic overview of prospective observational studies. *Diabetologia*, 48(12), 2460–2469. <https://doi.org/10.1007/s00125-005-0023-4>

Cukierman, T., & Yaffe. (2009). Relationship between baseline glycemic control

and cognitive function in individuals with type 2 diabetes and other cardiovascular risk factors: The Action to Control Cardiovascular Risk in Diabetes-Memory in Diabetes (ACCORD-MIND) Trial. *Diabetes Care*, 32(8), 2559. <https://doi.org/10.2337/dc09-0821>

Decroli, E. (2019). *DIABETES MELITUS TIPE 2* (A. R. Alexander Kam, Yanne Pradwi Efendi, Garri Prima Decroli (ed.); 1st ed.). Pusat Penerbitan Bagian Ilmu Penyakit Dalam Fakultas Kedokteran Universitas Andalas.

Devinsky, O. (2004). Therapy for neurobehavioral disorders in epilepsy. *Epilepsia*, 45(SUPPL. 2), 34–40. <https://doi.org/10.1111/j.0013-9580.2004.452003.x>

Dinkes Jabar. (2022). *Jumlah Penderita Diabetes Melitus Berdasarkan Kabupaten/Kota di Jawa Barat*. OPENDATA JABAR. <https://opendata.jabarprov.go.id/id/dataset/jumlah-penderita-diabetes-melitus-berdasarkan-kabupatenkota-di-jawa-barat>

Doroodgar, M., Doroodgar, M., & Tofangchiha, S. (2019). Evaluation of relation between hba1c level with cognitive disorders and depression in type 2 diabetes mellitus patients. *Open Access Macedonian Journal Of Medical Sciences*, 7(15), 2462–2466. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6814457/#>

Ellison, M., Thomas, J., & Patterson, A. (2004). A critical evaluation of the relationship between serum vitamin B12, folate and total homocysteine with cognitive impairment in the elderly. *Journal of Human Nutrition and Dietetics*. <https://doi.org/10.1111/j.1365-277X.2004.00532.x>

Engelhart, M. J., Geerlings, M. I., Ruitenberg, A., van Swieten, J. C., Holman, A., Witteman, J. C. M., & Breteler, M. M. B. (2002). Dietary intake of antioxidants and risk of Alzheimer disease. *J. Am. Med. Assoc*, 287, 3223–3229.

Erlidawati, Safrida, & Mukhlis. (2018). Potensi Antioksidan Sebagai Antidiabetes. *Potensi Antioksidan Sebagai Antidiabetes*, 1–11. <https://doi.org/10.52574/syiahkualauniversitypress.350>

- Fatimah, R. N. (2015). *Diabetes Mellitus Tipe 2* (4th ed.). J. Majority.
- Feldman, J., & Barshi, I. (2007). *The Effects of Blood Glucose Levels on Cognitive Performance: A Review of the Literature* (Issue June).
- Fontaine, J. R. J., Poortinga, Y. H., Setiadi, B., & Markam, S. S. (2002). Cognitive structure of emotion terms in Indonesia and The Netherlands. *Cognition and Emotion, 16*(1), 61–68.
- Frisch, A., Chandra, P., Smiley, D., Peng, L., Rizzo, M., Gatcliffe, C., Hudson, M., Mendoza, J., Johnson, R., Lin, E., & Umpierrez, G. E. (2010). Prevalence and clinical outcome of hyperglycemia in the perioperative period in noncardiac surgery. *Diabetes Care, 33*(8), 1783–1788. <https://doi.org/10.2337/dc10-0304>
- G. Li, R. H., Kukull, W. A., Peskind, E., Moore, K. V. V., Tsuang, D., Belle, G. van, McCormick, W., Bowen, J. D., Teri, L., Schellenberg, G. D., & Larson, E. B. (2004). Statin therapy and risk of dementia in the elderly A community-based prospective cohort study. *American Academy of Neurology, 63*(9). <https://doi.org/10.1212/01.WNL.0000142963.90204.58>
- Geroldi, C., Frisoni, G. B., Paolisso, G., Bandinelli, S., Lamponi, M., Abbatecola, A. M., Zanetti, O., Guralnik, J. M., & Ferrucci, L. (2005). Insulin Resistance in Cognitive Impairment. *Archives of Neurology, 62*(7), 1067. <https://doi.org/10.1001/archneur.62.7.1067>
- Ggotpin, K., Hyesook, K., Nam, K. K., In, S. J., Yoon, K. S., & Namsooa, T. T. C. (2013). Relationship of Cognitive Function with B Vitamin Status, Homocysteine, and Tissue Factor Pathway Inhibitor in Cognitively Impaired Elderly: A Cross-Sectional Survey. *Journal of Alzheimer's Disease, 33*(3), 853–862.
- Gray, S. L., Anderson, M. L., Crane, P. K., Breitner, J. C. S., McCormick, W., Bowen, J. D., Teri, L., & Larson, E. (2008). Antioxidant vitamin supplement use and risk of dementia or Alzheimer's disease in older. *J. Am. Geriatr. Soc, 56*, 291–295.
- Gregg, E. W., & Arleen, B. (2003). Complications of diabetes. *Southern Medical*

- Journal*, 19(4), 248–253. <https://doi.org/10.1097/00007611-192604000-00002>
- Gustri, L. (2019). Hubungan Asupan Zat Gizi Dengan Kejadian Demensia. *Hubungan Asupan Zat Gizi Dengan Kejadian Demensia*, 7(2), 39–42.
- Hansen, S. N., Tveden-Nyborg, P., & Lykkesfeldt, J. (2014). Does vitamin C deficiency affect cognitive development and function? *Nutrients*, 6(9), 3818–3846. <https://doi.org/10.3390/nu6093818>
- Harahap, H. S., & Indrayana, Y. (2020). Peran Neuroprotektif Cognitive Reserve Dalam Menghambat Progresivitas Gangguan Kognitif Terkait Diabetes Melitus Tipe 2. *Jurnal Kedokteran*, 9(4), 256–263.
- Harna, H., Arianti, J., & Nuzrina, R. (2020). Hubungan Asupan Zat Gizi Mikro Dan Aktivitas Fisik Dengan Fungsi Kognitif Lansia Di Puskesmas Kebon Jeruk Jakarta Barat. *Media Gizi Mikro Indonesia*, 11(2), 117–126. <https://doi.org/10.22435/mgmi.v11i2.2501>
- Henrikson, J. ., & Bech-Nielsen, H. (2009). *Blood glucose levels*. Philadelphia Baltimore Wolters Kluwer Health.
- Herman, W. H., & Cohen, R. M. (2012). Racial and ethnic differences in the relationship between HbA1c and blood glucose: Implications for the diagnosis of diabetes. *Journal of Clinical Endocrinology and Metabolism*, 97(4), 1067–1072. <https://doi.org/10.1210/jc.2011-1894>
- Hin, H., Clarke, R., Sherliker, P., Atoyebi, W., Emmens, K., Birks, J., Schneede, J., Ueland, P. M., Nexø, E., Scott, J., Molloy, A., Donaghy, M., Frost, C., & Evans, J. G. (2006). Clinical relevance of low serum vitamin B12 concentrations in older people: The Banbury B12 study. *Age and Ageing*, 35(4), 416–422. <https://doi.org/10.1093/ageing/afl033>
- Ho, P. I., Collins, S. C., Dhitavat, S., Ortiz, D., Ashline, D., Rogers, E., & Shea, T. B. (2001). Homocysteine potentiates  $\beta$ -amyloid neurotoxicity: Role of oxidative stress. *Journal of Neurochemistry*, 78(2), 249–253. <https://doi.org/10.1046/j.1471-4159.2001.00384.x>

- Husein, N., Lumempouw, S. F., Ramli, Y., & Herqutanto. (2010). Uji Validitas dan Reliabilitas Montreal Cognitive Assessment versi Indonesia (MoCA-Ina) untuk Skrinning Gangguan Fungsi Kognitif. *Neurona*, 4(27), 15–21.
- Jayanti, D. P. (2020). *HUBUNGAN KEPATUHAN DIET TERHADAP KADAR GULA DARAH PENDERITA DIABETES MELITUS DI POSBINDU WILAYAH KERJA PUSKESMAS SUKAMERINDU KOTA BENGKULU*.
- Kardina, R. N., Nuriannisa, F., Andini, A., & Anita, A. (2021). Hubungan Asupan Bahan Makanan Sumber Vitamin D Dan Vitamin C Terhadap Penurunan Glukosa Darah Pada Responden Terindikasi Diabetes Mellitus Tipe II. *Journal of Islamic Medicine*, 5(1), 20–26. <https://doi.org/10.18860/jim.v5i1.11433>
- Katzman, R. (2004). A neurologist's view of Alzheimer's disease and dementia. *International Psychogeriatrics*, 16(3), 259–273. doi:10.1017/S1041610204000456
- Kawamura, T., Umemura, T., & Umegaki, H. (2014). Effect of renal impairment on cognitive function during a 3-year follow-up in elderly patients with type 2 diabetes: association with microinflammation. *J Diabetes Investig. Epub*.
- Kemenkes RI. (2020). Infodatin tetap produktif, cegah, dan atasi Diabetes Melitus 2020. In *Pusat Data dan Informasi Kementerian Kesehatan RI* (pp. 1–10). <https://pusdatin.kemkes.go.id/resources/download/pusdatin/infodatin/Infodatin-2020-Diabetes-Melitus.pdf>
- Kim, B., & Feldman, E. L. (2015). Insulin resistance as a key link for the increased risk of cognitive impairment in the metabolic syndrome. *Experimental and Molecular Medicine*, 47(3). <https://doi.org/10.1038/EMM.2015.3>
- Kocot, J., Luchowska-Kocot, D., Kielczykowska, M., Musik, I., & Kurzepa, J. (2017). Does vitamin c influence neurodegenerative diseases and psychiatric disorders? *Nutrients*, 9(7). <https://doi.org/10.3390/nu9070659>
- Kodl, C. T., & Seaquist, E. R. (2008). Cognitive dysfunction and diabetes mellitus. *Endocrine Reviews*, 29(4), 494–511. <https://doi.org/10.1210/er.2007-0034>

- Koekkoek, P. S., Kappelle, L. J., Berg, E. van den, Rutten, G. E. H. M., & Biessels, G. J. (2015). Cognitive function in patients with diabetes mellitus: guidance for daily care. *The Lancet Neurology*, *14*(3), 329–340.
- Kommer, T. N. Van Den, Deeg, D. J. H., Flier, W. M. Van Der, & Comijs, H. C. (2017). OUP accepted manuscript. *Journals of Gerontology Series B: Psychological Sciences and Social Sciences*, *73*, 57–64. <https://doi.org/10.1093/geronb/gbx151>
- Kusniyah, Y., Nursiswati, & U, R. (2010). *Hubungan Tingkat Self Care dengan Tingkat HbA1C pada Klien DM Type 2 di Poliklinik Endokrin RSUP DR.Hasan Sadikin Bandung*. 6.
- Kusumoputro, S. (2003). *Memori Anda Setelah Usia 50*. Penerbit Universitas Indonesia.
- Laniwaty, E. (2001). *Diabetes Mellitus Penyakit Kencing Manis*. Penerbit Kanisius.
- Lezak, M. ., Howieson, D. ., & Loring, D. . (2004). *Neuropsychological Assessment* (4th ed.). Oxford University Press. New York.
- Li, W., Sun, L., Li, G., & Xiao, S. (2019). Prevalence, influence factors and cognitive characteristics of mild cognitive impairment in type 2 diabetes mellitus. *Frontiers in Aging Neuroscience*, *10*(JUL), 1–7. <https://doi.org/10.3389/fnagi.2019.00180>
- Marioni, R. E., Strachan, M. W. J., Reynolds, R. M., Lowe, G. D. O., Mitchell, R. J., Fowkes, F. G. R., Frier, B. M., Lee, A. J., Butcher, I., Rumley, A., Murray, G. D., Deary, I. J., & Price, J. F. (2010). Association between raised inflammatory markers and cognitive decline in elderly people with type 2 diabetes: The Edinburgh Type 2 Diabetes Study. *Diabetes*, *59*(3), 710–713. <https://doi.org/10.2337/db09-1163>
- Meidikayanti, W. (2017). *Hubungan Dukungan Keluarga Dan Aktivitas Fisik Dengan Kualitas Hidup Diabetes Mellitus Tipe 2*. Universitas Airlangga.
- Meloh, M. L., Pandelaki, K., & Sugeng, C. (2015). Hubungan Kadar Gula Darah Tidak Terkontrol Dan Lama Menderita Diabetes Melitus Dengan fungsi

- Kognitif Pada Subyek Diabetes Melitus Tipe 2. *E-CliniC*, 3(1).  
<https://doi.org/10.35790/ecl.3.1.2015.6837>
- Migliorea, L., & Coppedè, F. (2009). *Genetics, environmental factors and the emerging role of epigenetics in neurodegenerative diseases*. 667(1–2), 82–97.  
<https://doi.org/10.1016/j.mrfmmm.2008.10.011>
- Mihardja, L. (2009). Faktor yang Berhubungan dengan Pengendalian Gula Darah pada Penderita Diabetes Melitus di Perkotaan Indonesia. *Majalah Kedokteran Indonesia*, 59(9), 418–424.
- Molina-Sotomayor, E., Onetti-Onetti, W., Castillo-Rodríguez, A., & González-Jurado, J. A. (2020). Changes in cognitive function and in the levels of glycosylated haemoglobin (HbA1c) in older women with type 2 diabetes mellitus subjected to a cardiorespiratory exercise programme. *Sustainability (Switzerland)*, 12(12), 1–14. <https://doi.org/10.3390/su12125038>
- Mooijaart, S. P., Gussekloo, J., Frölich, M., Jolles, J., Stott, D. J., Westendorp, R. G. J., & De Craen, A. J. M. (2005). Homocysteine, vitamin B-12, and folic acid and the risk of cognitive decline in old age: The Leiden 85-Plus Study. *American Journal of Clinical Nutrition*, 82(4), 866–871.  
<https://doi.org/10.1093/ajcn/82.4.866>
- Morris, M. C., Evans, D. A., Bienias, J. L., Tangney, C. C., Bennett, D. A., Aggarwal, N., Wilson, R. S., & Scherr, P. A. (2002). Dietary intake of antioxidant nutrients and the risk of incident Alzheimer disease in a biracial community study. *Jama*, 287(24), 3230–3237.  
<https://doi.org/10.1001/jama.287.24.3230>
- Munshi, M. N. (2017). Cognitive dysfunction in older adults with diabetes: What a clinician needs to know. *Diabetes Care*, 40(4), 461–467.  
<https://doi.org/10.2337/dc16-1229>
- Mustaqfiroh, F., & Aminullah, R. (2020). *Uji Korelasi Spearman-Rank*. 19110093.
- Nasreddine, Z. S., Phillips, N. A., Bedirian, V., Charbonneau, S., Whitehead, V., Collin, I., Cummings, J. L., & Chertkow, H. (2005). The Montreal Cognitive



- Assessment, MoCA: A Brief Screening Tool For Mild Cognitive Impairment. *Journal of The American Geriatrics Society*, 53(4), 695–699.
- Node, K., & Inoue, T. (2009). Postprandial hyperglycemia as an etiological factor in vascular failure. *Cardiovascular Diabetology*, 8, 1–10. <https://doi.org/10.1186/1475-2840-8-23>
- Nuraisyah, F. (2018). Faktor Risiko Diabetes Mellitus Tipe 2. *Jurnal Kebidanan Dan Keperawatan Aisyiyah*, 13(2), 120–127. <https://doi.org/10.31101/jkk.395>
- Nurhayati, P., Irham, A. M., Bagus, I. D., & Widya, K. (2022). HbA1c Sebagai Kandidat Biomarker untuk Prediksi Progesivitas Gangguan Kognitif Terkait Diabetes Melitus Tipe 2. *Jurnal Kedokteran Unram*, 11(1), 732–738.
- O’Leary, F., & Samman, S. (2010). Vitamin B12 in health and disease. *Nutrients*, 2(3), 299–316. <https://doi.org/10.3390/nu2030299>
- Ogawa, S. (2014). Nutritional management of older adults with cognitive decline and dementia. *Geriatrics and Gerontology International*, 14(SUPPL2), 17–22. <https://doi.org/10.1111/ggi.12252>
- Okaniawan, P. E. P., & Agustini, N. N. M. (2021). Penurunan Fungsi Kognitif Akibat Diabetes Melitus. *Ganesha Medicine*, 1(1), 28. <https://doi.org/10.23887/gm.v1i1.31708>
- Pangkalan, I. (2007). *Diet Korektif-diet south beach*. Elex Media Komputindo.
- Perdossi. (2007). *Diagnosis Dini dan Penatalaksanaan Demensia. Kelompok Studi Neuro-Behaviour*.
- Perdossi. (2016). Panduan Praktik Klinis Neurologi. *Perdossi*, 154–156.
- Perkeni. (2011). Konsensus Pengelolaan Dan Pencegahan Diabetes Melitus Tipe 2 Di Indonesia 2011 Perkumpulan Endokrinologi Indonesia. *Perkumpulan Endokrinologi Indonesia*, 1.
- Pohan, N. A., Induniasih, & Amigo, T. A. E. (2018). Hubungan Kadar Gula Darah dengan Tingkat Kognitif pada Pra Lansia di Padukuan. *Medika Respati*, 32, 179–187.

- Rahmawati, A., Pramantara, I. D. P., & Purba, M. (2012). Asupan zat gizi mikro dengan fungsi kognitif pada lanjut usia. *Jurnal Gizi Klinik Indonesia*, 8(4), 195. <https://doi.org/10.22146/ijcn.18218>
- Ravona-Springer, R., Heymann, A., Schmeidler, J., Moshier, E., Godbold, J., Sano, M., Leroith, D., Johnson, S., Preiss, R., Koifman, K., Hoffman, H., Silverman, J. M., & Schnaider Beerli, M. (2014). Trajectories in glycemic control over time are associated with cognitive performance in elderly subjects with type 2 diabetes. *PLoS ONE*, 9(6). <https://doi.org/10.1371/journal.pone.0097384>
- Rinaldi, S. F., & Mujianto, B. (2017). *Metode Penelitian dan Statistik*. Kementerian Kesehatan Republik Indonesia.
- Riyanto, B., & Wreksoatmodjo. (2014). Beberapa Kondisi Fisik dan Penyakit yang Merupakan Faktor Risiko Gangguan Fungsi Kognitif. *Cermin Dunia Kedokteran*, 41(1), 25–32.
- Roy, S., Kim, N., Desai, A., Komaragiri, M., Baxi, N., Jassil, N., Blessinger, M., Khan, M., Cole, R., Desai, N., Terrigno, R., & Hunter, K. (2015). Cognitive function and control of type 2 diabetes mellitus in young adults. *North American Journal of Medical Sciences*, 7(5), 220–226. <https://doi.org/10.4103/1947-2714.157627>
- Saedi, E., Gheini, M. R., Faiz, F., & Arami, M. A. (2016). *Diabetes Mellitus and Cognitive Impairments*. 7(17), 412–422. <https://doi.org/10.4239/wjd.v7.i17.412>
- Salim, I. O., & Hasibuan, P. J. (2016). Hubungan Kadar Glukosa Darah sewaktu dan Gangguan Fungsi Kognitif pada Pasien Diabetes Melitus Tipe 2 di Puskesmas Purnama Pontianak. *Jurnal Cerebellum*, 2(1), 385–401.
- Salsabila, D. M. (2020). Defisiensi Vitamin B12 Dan Gangguan Neurologis. *Jurnal Medika Hutama*, 2(1), 48–59. <https://jurnalmedikahutama.com/index.php/JMH/article/download/71/37/>
- Saputri, R. D. (2020). Komplikasi Sistemik Pada Pasien Diabetes Melitus Tipe 2. *Jurnal Ilmiah Kesehatan Sandi Husada*, 11(1), 230–236.

<https://doi.org/10.35816/jiskh.v11i1.254>

Sastroasmoro, S., & Ismail, S. (2017). *Dasar-dasar Metodologi Penelitian Klinis Edisi Ke-5*. CV. Sagung Seto, Jakarta.

Setyowati, E., Iman Santosa, N., & Kridawati, A. (2019). Hubungan Asupan Vitamin B12 dan Asam Folat dengan Fungsi Kognitif Lansia. *Jurnal Endurance*, 4(1), 184. <https://doi.org/10.22216/jen.v4i1.2256>

Sharma, P., Shu, X., Schaubel, D. E., Sung, R. S., & Magee, J. C. (2016). Relationship Between Diabetes & Cognitive Impairment. *Liver Transpl*, 3(10), 973–982. <https://doi.org/10.1016/j.ecl.2013.09.006>. Relationships

Sharma, R., Buras, E., Terashima, T., Serrano, F., Massaad, C. A., Hu, L., Bitner, B., Inoue, T., Chan, L., & Pautler, R. G. (2010). Hyperglycemia induces oxidative stress and impairs axonal transport rates in mice. *PLoS ONE*, 5(10). <https://doi.org/10.1371/journal.pone.0013463>

Sinambela, M. P. (2018). *HUBUNGAN ASUPAN ZAT GIZI (PROTEIN, VITAMIN A, ASAM FOLAT, VITAMIN B12 DAN VITAMIN C) DAN FUNGSI KOGNITIF PADA LANSIA DI PANTI WERDHA WISMA MULIA KOWANI JAKARTA BARAT TAHUN 2018*. <https://digilib.esaunggul.ac.id/hubungan-asupan-zat-gizi-protein-vitamin-a-asam-folat-vitamin-b12-dan-vitamin-c-dan-fungsi-kognitif-pada-lansia-di-panti-werdha-wisma-mulia-kowani-jakarta-barat-tahun-2018-10489.html>

Siregar, R. D., Lipoeto, N. I., & Syafrita, Y. (2015). Hubungan Konsumsi Antioksidan dari Makanan dengan Beta-Amyloid Plasma sebagai Penanda Gangguan Fungsi Kognitif pada Lanjut Usia. *Jurnal Kesehatan Andalas*, 4(1), 94–101. <https://doi.org/10.25077/jka.v4i1.206>

Smith, T., Gildeh, N., & Holmes, C. (2007). The Montreal cognitive assessment: Validity and utility in a memory clinic setting. *Canadian Journal of Psychiatry*, 52(5), 329–332. <https://doi.org/10.1177/070674370705200508>

Soemadji, D. W. (2006). *Buku Ajar Ilmu Penyakit Dalam* (Edisi VI J). Pusat Penerbit IPD FKUI.

- Spinelli, M., Fusco, S., & Grassi, C. (2019). Brain insulin resistance and hippocampal plasticity: Mechanisms and biomarkers of cognitive decline. *Frontiers in Neuroscience*, *10*(JUL), 1–13. <https://doi.org/10.3389/fnins.2019.00788>
- Stabler, S. P., & Allen, R. H. (2004). VITAMIN B12 DEFICIENCY AS A WORLDWIDE PROBLEM. *Annual Review of Nutrition*, *24*, 299–326.
- Strub, R. L., & Black, F. W. (2000). *The Mental Status Examination in Neurology* (4th editio). Philadelphia : F. A. Davis Company.
- Sudoyo, A. W., Setiyohadi, B., Alwi, I., Simadibrata, M., & Setiati, S. (2009). *Buku Ajar Ilmu Penyakit Dalam Jilid III Edisi V*. Interna Publishing Pusat Penerbitan Ilmu Penyakit Dalam.
- Sultanpur, C., Deepa, K., & Kumar, S. (2010). Comprehensive Review On Hba1c In Diagnosis Of Diabetes. *Journal of Pharmaceutical Sciences Review and Research*, *3*(2), 119–122.
- Syauqy, A., Afifah, D. N., Purwanti, R., Nissa, C., Fitranti, D. Y., & Chao, J. C. J. (2021). Reproducibility and validity of a food frequency questionnaire (Ffq) developed for middle-aged and older adults in semarang, Indonesia. *Nutrients*, *13*(11). <https://doi.org/10.3390/nu13114163>
- Tandra, H. (2013). *Life Healthy With Diabetes Diabetes Mengapa & Bagaimana ?* Rapha Publishing.
- Tani, J., Tedja, I., & Widjaja, I. R. (2008). Dietary Vitamins B , Folic Acid and Cognitive Impairment in the Elderly. *Majalah Kedokteran Indonesia*, *58*(3), 68–72.
- Tani, J., Widjaja, I. R., Tedja, I., Pratomo, I. P., Siagian, I., Fahri, I., Amri, Z., & Bardosono, S. (2007). Association between dietary intake of vitamin A, C, and E as antioxidants and cognitive function in the elderly at a nursing home. *Medical Journal of Indonesia*, *16*(4), 261–266. <https://doi.org/10.13181/mji.v16i4.289>
- Torindatu, D. S., Pertiwi, J. M., & Khosama, H. (2020). Gambaran Gangguan

- Fungsi Kognitif pada Penderita DM Tipe 2 di Manado. *Jurnal Sinaps*, 3(1), 32–41.
- Travica, N., Ried, K., Sali, A., Scholey, A., Hudson, I., & Pipingas, A. (2017). Vitamin c status and cognitive function: A systematic review. *Nutrients*, 9(9), 1–21. <https://doi.org/10.3390/nu9090960>
- Triantari, R. (2011). *Hubungan Asupan Vitamin B6 , Vitamin B12 , Asam Folat , Aktifitas Fisik Dan Kadar Homosistein*. 1–40.
- Umegaki, H. (2014). Type 2 diabetes as a risk factor for cognitive impairment: Current insights. *Clinical Interventions in Aging*, 9, 1011–1019. <https://doi.org/10.2147/CIA.S48926>
- Valdés-Ramos, R., -López, G., Laura, A., Beatriz, M.-C., And Benítez-Arciniega, E., & Donají, A. (2015). Vitamins and Type 2 Diabetes Mellitus. *Endocrine, Metabolic & Immune Disorders-Drug Targets*, 15, 54–63.
- Van Harten, B., De Leeuw, F. E., Weinstein, H. C., Scheltens, P., & Biessels, G. J. (2006). Brain imaging in patients with diabetes: A systematic review. *Diabetes Care*, 29(11), 2539–2548. <https://doi.org/10.2337/dc06-1637>
- Vijayakumar, T., Sirisha, G., & Begam, F. (2012). Mechanism Linking Cognitive Impairment and Diabetes mellitus. *European Journal of Applied Sciences*, 4(1), 1–05.
- Visser, P. J. (2006). *Mild Cognitive Impairment. Principles and Practice of Geriatric Medicine* (4th Editio). John Wiley & Sons, Ltd.
- Waspadji, S. (2006). *Komplikasi Kronis Diabetes: Mekanisme Terjadinya, Dianosis dan Strategi Pengelolaan* (Edisi Ke-4). Buku Ajar Ilmu Penyakit Dalam. Jilid III. Penerbit FK UI.
- Watanabe, F. (2007). Vitamin B12 Sources and Bioavailability. *Experimental Biology and Medicine*, 232(10), 1266–1274. <https://doi.org/10.3181/0703-MR-67>
- Wheeler, S., Singh, N., & Boyko, E. (2007). The Epidemiology Diabetic Of

Neuropathy. *New Jersey: Humana Press*, 7–30.

Widie Nugroho, B. A. (2008). *Keperawatan Gerontik dan Geriatrik*. EGC.

Widie Nugroho, B. A., Oka Adnyana, I. M., & Purwa Samatra, D. P. G. (2016). Gula darah tidak terkontrol sebagai faktor risiko gangguan fungsi kognitif pada penderita diabetes melitus tipe 2 usia dewasa menengah. *Medicina*, 47(1).  
<https://doi.org/10.15562/medicina.v47i1.71>

Widowati, W. (2018). Potensi Antioksidan Sebagai Antidiabetes. *Potensi Antioksidan Sebagai Antidiabetes*.  
<https://doi.org/10.52574/syiahkualauniversitypress.350>

Wijoto, & Poerwadi, T. (2011). *Gangguan Neurobehaviour*. Buku Ajar Ilmu Penyakit Saraf. Airlangga University Press.

Xia, S.-S., Xia, W.-L., Huang, J.-J., Zou, H.-J., Tao, J., & Yang, Y. (2020). The factors contributing to cognitive dysfunction in type 2 diabetic patients. *Annals of Translational Medicine*, 8(4), 104–104.  
<https://doi.org/10.21037/atm.2019.12.113>

Yaffe, K., Falvey, C., Hamilton, N., Schwartz, A. V, Launer, L. J., Strotmeyer, E. S., & Harris, T. B. (2012). *Diabetes, Glucose Control, and 9-Year Cognitive Decline Among Older Adults Without Dementia*.  
<https://doi.org/10.1001/archneurol.2012.1117>

Yudawijaya, A. (2010). *Hubungan antara homosistein plasma dengan perubahan skor fungsi kognitif pada pasien paska stroke iskemik*. 1–120.

Yudia, N., Syafrita, Y., & Machmud, R. (2017). Perbedaan Fungsi Kognitif Antara Pasien Diabetes Melitus Tipe 2 dan Non Diabetes Melitus di RSUP DR M Djamil Padang. *Jurnal Kesehatan Andalas*, 6(2), 311.  
<https://doi.org/10.25077/jka.v6i2.697>

Zahtamal, C., Suryanto, F., & Restuastuti, T. (2007). Faktor- Faktor Risiko Pasien Diabetes Mellitus. *Berita Kedokteran Masyarakat*, 23(3), 7–14.

Zhong, Y., Zhang, X. Y., Miao, Y., Zhu, J. H., Yan, H., Wang, B. Y., Jin, J., Hu, T.

J., & Jia, W. P. (2012). The relationship between glucose excursion and cognitive function in aged type 2 diabetes patients. *Biomedical and Environmental Sciences*, 25(1), 1–7. <https://doi.org/10.3967/0895-3988.2012.01.001>

Zidny, S. N. (2010). Hubungan Kadar Glukosa Darah Dengan Skor Mini Mental State Examination (MMSE) Pada Penderita Diabetes Melitus Tipe 2. *Fakultas Kedokteran Universitas Sebelas Maret Surakarta 2010*, 3–11.

Zilliox, L. A., Chadrsekaran, K., Kwan, J. Y., & Russell, J. W. (2016). *Diabetes and Cognitive Impairment*. 1–11. <http://dx.doi.org/10.1007/s11892-016-0775-x>

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