

Daftar Pustaka

- Abadi K, Wijayanti D, Gunawan EA, Rumawas ME, Sutrisna B. 2013. Hipertensi dan risiko gangguan kognitif ringan pada pasien usia lanjut. *Kesehat Masy*;8(3):119–24.
- Alvis, Brett D, Christopher G. Hughes. 2015. *Physiology considerations in geriatric patient*. Anesthesiol Clin; 33(3) : 447-456.
- Azis, P.N.S., Afriwardi, A., & Liza, R.G. (2024). Hubungan fungsi kognitif dengan tingkat kemandirian lansia di wilayah Puskesmas Padang Kandis. *Sentri: Jurnal Riset Ilmiah*; 3(4), 1850–60.
- Brady, Pamela N, Megan A. Macnaughan. 2015. *Evaluation of colorimetric assays for analyzing reductively methylated proteins : biases and mechanistic insight*. Anal Biochem; 491: 43-51.
- Brosnan J. T, Brosnan, M. E. 2006. *Branched-chain amino acids: enzyme and substrate regulation*. The Journal of nutrition; 136 1 Suppl, 207S-11S.
- Centers for Disease Control and Prevention (CDC). *National center for health statistics (nchs). national health and nutrition examination survey data*. Hyattsville, MD: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 2023. Dilihat September 2, 2024. <https://cdc.gov/aging>.
- Centers for Disease Control and Prevention (CDC) . *Alzheimer's Disease and Healthy Aging Program*. CDC Aging Website. Dilihat September 2, 2024. <https://cdc.gov/aging>.
- Choi BH, Hyun S, Koo SH. 2024. *The role of BCAA metabolism in metabolic health and disease*. Exp Mol Med;56(7):1552-9
- Committee on the Public Health Dimensions of Cognitive Aging; Board on Health Sciences Policy; Institute of Medicine. 2015. *Cognitive aging: progress in understanding and opportunities for action*. Blazer DG, Yaffe K, Liverman CT, editors. Washington (DC): National Academies Press (US)
- Dhakal A, Bobrin BD. 2023. *Cognitive Deficits*. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; Accesed 2024 Jan. PMID: 32644478.
- Di Micco R, Krizhanovsky V, Baker D, Fagagna F. 2021. *Cellular senescence in aging: from mechanisms to therapeutic opportunities*. Nat Rev Mol Cell Biol;22(2):75-95.
- Dimou A, Tsimihodimos V, Bairaktari E. 2022. *The critical role of the branched chain amino acids (bcas) catabolism-regulating enzymes, branched-chain aminotransferase (bcat) and branched-chain α -keto acid dehydrogenase (bckd), in human pathophysiology*. Int. J. Mol. Sci; 23,4022.

Dora, K., et al. *Essential amino acid supplements ingestion has a positive effect on executive function after moderate-intensity aerobic exercise*. Sci Rep 13, 22644 (2023)

Fan P, et al. 2015. *Metabolites of dietary protein and peptides by intestinal microbes and their impacts on gut*. Curr. Protein Pept. Sci; 16; 646–54

Fernstrom JD, 2005. *Branched chain amino acids and brain function*. J Nutr; 135 (Suppl) : 1539S-46S.

Flint B, Tadi P. 2024. *Physiology, Aging* . In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan.

Fu Y, et al. 2024. *Branched-chain amino acids and the risks of dementia, alzheimer's disease, and parkinson's disease*. Front Aging Neurosci; 16:1369493.

Garza-Lombó C and Gonsebatt ME. 2016. *Mammalian target of rapamycin: its role in early neural development and in adult and aged brain function*. Front. Cell. Neurosci; 10:157.

Gilani M, et al. *Relationship between Nutritional Status and Cognitive Functioning in the Elderly; a Case Study of Amol, Iran*. Health Education and Health Promotion. 2022;10(1):15-22.

Glisky EL. 2007. *Changes in cognitive function in human aging*. Boca Raton (FL): CRC Press/Taylor & Francis;Chapter 1.

Harada C, Love M, Treibel K. 2013. *Normal cognitive aging*. Clin Geriatr Med; 29(4) : 737-752.

Hutson SM, Sweatt AJ, LaNoue KF. 2007. *Branched Chain Amino Acids (BCAAs) in Brain*. In: Lajtha, A., Oja, S.S., Schousboe, A., Saransaari, P. (eds) *Handbook of Neurochemistry and Molecular Neurobiology*. Springer, New York, NY.

Ikeuchi T, et al. 2022. *Decreased circulating branched-chain amino acids are associated with the development of Alzheimer's disease in elderly individuals with mild cognitive impairment*. Front Nutr; 9:1040476

Jasbi P, et al. 2021. *Metabolic profiling of neocortical tissue discriminates alzheimer's disease from mild cognitive impairment, high pathology controls, and normal controls*. J. Proteome Res; 20, 4303–17.

Jing, Xiao Jun, et al. 2024. *Associations of Serum Isoleucine with Mild Cognitive Impairment and Alzheimer's Disease*. AGMR : 28(3) : 273-283.

Kandel, E. R. 2001. *The molecular biology of memory storage: a dialogue between genes and synapses*. Science ; 294, 1030–8.

Kinoshita K, et al. 2021. *The association between dietary amino acid intake and cognitive decline 8 years later in japanese community-dwelling older adults*. J Nutr Health Aging; 25(2):165-71

Krishnamoorthy Y, et al. 2018. *Prevalence of malnutrition and its associated factors among elderly population in rural Puducherry using mini-nutritional assessment questionnaire*. J Family Med Prim Care; 7(6):1429-33.

Kritsilis M, et al. 2018. *Ageing, cellular senescence and neurodegenerative disease*. Int J Mol Sci;19(10):2937

Larsson, SC, Markus, HS. 2017. *Branched chain amino acids and Alzheimer disease: a Mendelian randomization analysis*. Sci Rep; 7:13604

Lee JY, et al. 2008. *Brief screening for mild cognitive impairment in elderly outpatient clinic: Validation of the Korean version of the Montreal cognitive assessment*. J. Geriatrics. Psychiatry. Neurol; 21:104-10.

Lestari S. 2017. *Comparison between mini mental state examination (MMSE) and Montreal cognitive assessment Indonesian version (MoCA-Ina) as an early detection of cognitive impairments in post-stroke patients*. J. Phys.: Conf. Ser; Vol 884:012153

Levine DA, et al. *Sex Differences in Cognitive Decline Among US Adults*. JAMA Netw Open. 2021;4(2):e210169.

Li, Y, et al. 2015. *Sound credit scores and financial decisions despite cognitive aging*. Proceedings of the National Academy of Sciences of the United States of America; 112(1):65-9.

Liang F, et al. *Body Mass Index, Waist Circumference, and Cognitive Decline Among Chinese Older Adults: A Nationwide Retrospective Cohort Study*. Front Aging Neurosci. 2022 Mar 7;14:737532

Lloyd D, Standi T. 1997. *Mental status and neuropsychological assessment a guide to the standardized mini-mental state examination*. Int. Psychogeriatrics ; Vol 1:87-94

López-Otín C, et al. 2013. *The hallmarks of aging*. Cell; 153:1194–1217

Luis C A, Keegan A P and Mullan M. 2009, *Cross validation of the Montreal Cognitive Assessment in community dwelling older adults living in the Southeastern US*. Int. J. Geriatr. Psychiatry; 24 197-201.

McKee AM, Morley JE. 2021. *Obesity in the Elderly*. In: Feingold KR, Anawalt B, Blackman MR, et al., editors. Endotext [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2000-.

Md. Moniruzzaman, Ferdouse A. 2014. *Metabolic and physiological roles of branched-chain amino acids,” advances in molecular biology*; 364976.

Medeleine, Abigail, et al. Hubungan APO-E dan Jenis Kelamin dengan Fungsi Bahasa dan Memori Pada Lansia. *Neurona*. 2021;38(3).

Muzamil MS, Afriwardi, Martini RD. 2014. Hubungan Antara Tingkat Aktivitas Fisik dengan Fungsi Kognitif pada Usila di Kelurahan Jati Kecamatan Padang Timur. *Jurnal Kesehatan Andalas*; 3(2)

Neinast M, Murashige D, Arany Z. 2019. *Branched chain amino acids*. Annu Rev Physiol; 81:139-64.

Nie C, et al. 2018. *Branched chain amino acids: beyond nutrition metabolism*. Int J Mol Sci; 19(4):954

Piri M, Hamed. 2022. *A rapid LC-MS assay for detection and monitoring and underivatized branched chain amino acids in maple syrup urine disease*. Journal of Mass Spectrometry and Advances in Clinical Lab; 24:107-17.

Polis B and Samson AO (2024) *Enhancing cognitive function in older adults: dietary approaches and implications*. Front. Nutr. 11:1286725

Qian X, et al. 2023. *Investigating the causal association between branched-chain amino acids and Alzheimer's disease: A bidirectional Mendelian randomized study*. Front. Nutr ; 10:1103303.

Riskiana, Nadia Eka Putri Nur dan mandagi, Ayik Mirayanti. Tingkat pendidikan dengan fungsi kognitif pada lansia dalam periode aging population. *Jurnal Kesehatan Masyarakat*. 2021 ;12(2), 256-238.

Ross, A. Catherine et al. 2014. *Modern nutrition in health and disease*. 11th edition. Wolter Kluwer ; Philadelphia.

Rohmah, Umi. Perkembangan dan pendidikan Kemampuan Kognitif. *Jurnal Pendidikan Anak*. 2024;9(1),130-138.

Rotondi S, et al. 2023. *Association between cognitive impairment and malnutrition in hemodialysis patients : two sides of the same coin*. Nutrients; 15(4):813

Schaie K. W. 1996. *Intellectual development in adulthood: the seattle longitudinal study*. New York: Cambridge University Press.

Siddik, et al. 2022. *Branched-Chain Amino Acids Are Linked with Alzheimer's Disease-Related Pathology and Cognitive Deficits*. Cells 2022, 11, 3523.

Simic, P. Guarente LP. Rogers K. 2024. *Aging*. Encyclopedia Britannica. Dilihat 2 September 2024 (<https://www.britannica.com/science/aging-life-process>)

Suzuki H, et al. 2020. *Intake of seven essential amino acids improves cognitive function and psychological and social function in middle-aged and older adults: a double-blind, randomized, placebo -controlled trial*. Front Nutr; 7:586166.

Swiech L, et al. 2008. *Role of mTOR in physiology and pathology of the nervous system*. Biochim. Biophys. Acta; 1784, 116–32.

Tajiri K, Shimizu Y. 2013. *Branched-chain amino acids in liver diseases*. World J Gastroenterol;19(43):7620-9

Tom A, Nair KS. 2006. *Assessment of branched-chain amino Acid status and potential for biomarkers*. J Nutr;136(1 Suppl):324S-30S

Trenkle DL, Shankle WR, Azen SP. 2007. *Detecting cognitive impairment in primary care: performance assessment of three screening instruments*. J Alzheimer's Dis;11(3):323-35

United Nations Department of Economic and Social Affairs, Population Division. 2023. *World Population Ageing 2023: Challenges and opportunities of population ageing in the least developed countries*. UN DESA/ POP/2023/TR/NO.5.

Wang X, et.al. (2023) *Leucine mediates cognitive dysfunction in early life stress-induced mental disorders by activating autophagy*. Front. Cell. Neurosci. 16:1060712.

World Health Organization. Ageing and Health. 2022

Xiong, Yl., Therriault, J., Ren, Sj. 2022. *The associations of serum valine with mild cognitive impairment and Alzheimer's disease*. Aging Clin Exp Res; Vol 34, 1807–17

Xu G, Mayer J, Thornby J. 2002. *Screening for mild cognitive impairment (MCI) utilizing combined mini-mental-cognitive capacity evaluations for identifying dementia prodromes*. Int J Geriatr Psychiatry;17: 1027–23.

Zhang S, et al. 2017. *Novel metabolic and physiological functions of branched chain amino acids: a review*. J Anim Sci Biotechnol; 8:1

