DAFTAR PUSTAKA

American Heart Association, 2015, Know Your Target Heart Rates for Exercise, Losing Weight and Health, Retrieved: May 30, 2019, from https://www.heart.org/en/healthy-living/fitness/fitness-basics/target-heart-rates

American Heart Association, 2017, Endurance Exercise (Aerobic), Retrieved: April 27, 2018, from http://www.heart.org/HEARTORG/HealthyLiving/PhysicalActivity/FitnessBasics/Endurance-Exercise-Aerobic_UCM_464004_Article.jsp

Barnes, D. E. and Yaffe, K., 2013, The Projected Impact of Risk Factor Reduction on Alzheimer's Disease Prevalence, Retrieved: April 30, 2018, from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3647614/

Berse, T., *et al*., 2015, Acute physical exercise improves shifting in adolescents at school: evidence for a dopaminergic contribution, Retrieved : May 21, 2018, from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4517060/

Brisswalter, J., *et al*., 1998, Influence of physical exercise on simple reaction time: Effect of physical fitness, Retrieved: May 31, 2019, from https://www.researchgate.net/publication/13831464_Influence_of_physical_exercise_on_simple_reaction_time_Effect_of_physical_fitness

Brisswalter, J., *et al*., 2002, Effects of Acute Physical Exercise Characteristics on Cognitive Performance, Retrieved : May 21, 2018, from https://www.researchgate.net/publication/11278951_Effects_of_Acute_Physical_Exercise_Characteristics_on_Cognitive_Performance

Caspersen, C. J., *et al*., 1985, Physical Activity, Exercise, and Physical Fitness : Definitions and Distinctions for Health-related Research, Retrieved:
April 27, 2018, from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1424733/

CNN Indonesia, 2018, Gaya Hidup Buruk Percepat Datangnya Demensia, Retrieved: May 31, 2019, from https://www.cnnindonesia.com/gaya-hidup/20180920170712-255-331848/gaya-hidup-buruk-percepat-datangnya-demensia

Cognifit, 2019, What is reaction time or response time?, Retrieved : May 31, 2019, from https://www.cognifit.com/science/cognitive-skills/response-time

Colcombe, S. J., *et al.*, 2006, Aerobic Exercise Training Increases Brain Volume in Aging Humans, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/17167157/

Cooper, S. B., *et al*., 2016, Sprint-based exercise and cognitive function in adolescents, Retrieved : April 19, 2018, from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4929070/

Departemen Faal Fakultas Kedokteran Universitas Airlangga, 2018, 'Whole Body Reaction Measuring Equipment', *Standard Operasional*, pp 1-2.

Diamond, A., 2014, Executive Functions, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4084861/

Doering, T. J., *et al*., 1998, Passive and active exercises increase cerebral blood flow velocity in young, healthy individuals., Retrieved : May 21, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/9862534

Ferris, L. T., *et al*., 2007, The effect of acute exercise on serum brain-derived neurotrophic factor levels and cognitive function., Retrieved : May 21, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/17414812/

Gavkare, A. M., *et al*., 2013, Auditory Reaction Time, Visual Reaction Time and Whole Body Reaction Time in Athletes, Retrieved:
April 30, 2018, from http://medind.nic.in/ice/t13/i6/icet13i6p214.pdf

Glisky, E. L., 2007, Changes in Cognitive Function in Human Aging, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/21204355

Grodstein, F., 2007, Cardiovascular Risk Factors and Cognitive Function, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/19595969/

Hillman, C. H., *et al*., 2009, The Effect of Acute Treadmill Walking on Cognitive Control and Academic Achievement in Preadolescent Children, Retrieved:
April 27, 2018, from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2667807/

Huppert, F. A., *et al*., 2006, 'Cognitive Function', *Retirement, health and relationships of the older population in England*, vol 8, pp 218-219.

Ide, K., and Secher, N. H., 2000, Cerebral blood flow and metabolism during exercise., Retrieved : May 21, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/10727781

Intlekofer, K. A. and Cotman, C. W., 2013, Exercise Counteracts Declining Hippocampal Function in Aging and Alzheimer's Disease, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/22750524/

Jain, A., *et al*., 2015, A Comparative Study of Visual and Auditory Reaction Times on the Basis of Gender and Physical Activity Levels of Medical First Year Students, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4456887/

Jerniqan, T. L., *et al.*, 2001, Effects of Age on Tissues and Regions of the Cerebrum and Cerebellum, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/11445259/

Kim, M. and Park J. M., 2017, Factors Affecting Cognitive Function According to Gender in Community-dwelling Elderly Individuals, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5790979/

Kirk-Sanchez N. J. and McGough E. L., 2014, Physical Exercise and Cognitive Performance in the Elderly: Current Perspectives, Retrieved:
April 27, 2018, from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3872007/

Li, W., *et al*., 2016, Type 2 Diabetes Mellitus might be a Risk Factor for Mild Cognitive Impairment Progressing to Alzheimer's Disease, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5047733/

Marianti, 2017, Demensia, Retrieved: May 31, 2019, from https://www.alodokter.com/demensia

Mcmorris, T., and Keen, P., 1994, Effect of exercise on simple reaction times of recreational athletes, Retrieved: May 31, 2019, from https://www.researchgate.net/publication/15020911_Effect_of_exercise_on_simple_reaction_times_of_recreational_athletes

myDr, 2010, Aerobic Exercise : The Health Benefits, Retrieved:

April 27, 2018, from http://www.mydr.com.au/sports-fitness/aerobic-exercise-the-health-benefits

Olokoba, A. B., *et al*., 2012, Type 2 Diabetes Mellitus: A Review of Current Trends, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3464757/

Piepmeier, A. T., and Etnier, J L., 2015, Brain-derived neurotrophic factor (BDNF) as a potential mechanism of the effects of acute exercise on cognitive performance, Retrieved : May 21, 2018, from https://www.sciencedirect.com/science/article/pii/S2095254614001161

Plowman, S. A. and Smith, D. L. , 2007, 'The Warm Up', *Exercise Physiology for Health, Fitness, and Performance*, vol 2, pp 8-9.

Querido, J. S., and Sheel, A. W., 2007, Regulation of cerebral blood flow during exercise., Retrieved : May 21, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/17722948

Radak, Z., *et al*., 2010, Exercise Plays a Preventive Role Against Alzheimer's Disease, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/20182027/

Rasmussen, P., *et al*., 2009, Evidence for a Release of Brain-derived Neurotrophic Factor from the Brain during Exercise, Retrieved:
April 30, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/19666694/

Reinberg, S., 2017, Lack of Exercise Might Invite Dementia, Retrieved: May 31, 2019, from https://www.webmd.com/alzheimers/news/20170126/lack-of-exercise-might-invite-dementia#1

Robinson, E.S., 2012, Blockade of noradrenaline re-uptake sites improves accuracy and impulse control in rats performing a five-choice serial reaction time tasks., Retrieved : May 21, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/21800042/

Rooks, C. R., *et al*., 2010, Effects of incremental exercise on cerebral oxygenation measured by near-infrared spectroscopy: a systematic review., Retrieved : May 21, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/20542078/

Rowland, T. W., and Freedson, P. S., 1994, Physical Activity, Fitness and Health in Children, Retrieved: May 30, 2019, from https://pediatrics.aappublications.org/content/pediatrics/93/4/669.full.pdf

Seifert, T., *et al*., 2010, Endurance Training Enhances BDNF Release from the Human Brain, Retrieved:

April 30, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/19923361/

Seladi-Schulman, J., 2018, Brain Overview, Retrieved:

April 30, 2018, from https://www.healthline.com/human-body-maps/brain

Singh-Manoux, A., *et al*., 2005, Effects of physical activity on cognitive functioning in middle age: evidence from the Whitehall II prospective cohort study, Retrieved: May 31, 2019, from https://www.ncbi.nlm.nih.gov/pubmed/16304136

Suriastini, N. W., *et al*., 2016, Angka Prevalensi Demensia: Perlu Perhatian Kita Semua, Retrieved: May 31, 2019, from https://surveymeter.org/site/download_research/68

Winter, B., *et al*., 2006, High impact running improves learning., Retrieved : May 21, 2018, from https://www.ncbi.nlm.nih.gov/pubmed/17185007/