REFERENCES

Amidfar, M., de Oliveira, J., Kucharska, E., Budni, J., & Kim, Y. K. (2020). The role of CREB and BDNF in neurobiology and treatment of Alzheimer's disease. In Life Sciences (Vol. 257, p. 118020). Elsevier Inc. https://doi.org/10.1016/j.lfs.2020.118020

Anfenan, M. L. K. (2014). Study the effect of consumption of coriander and vitamin B6 on rats suffering from hyperlipidemia. World Applied Sciences Journal, 30(11), 1504–1509. https://doi.org/10.5829/idosi.wasj.2014.30.11.14199

Antunes, M., & Biala, G. (2012). The novel object recognition memory: Neurobiology, test procedure, and its modifications. In Cognitive Processing (Vol. 13, Issue 2, pp. 93–110). Springer. https://doi.org/10.1007/s10339-011-0430-z

Atri, A. (2019). Current and Future Treatments in Alzheimer's Disease. Seminars in Neurology, 39(2), 227–240. https://doi.org/10.1055/s-0039-1678581

Bachman, J. (2013). Reverse-transcription PCR (RT-PCR). In Methods in Enzymology (Vol. 530, pp. 67–74). Academic Press Inc. https://doi.org/10.1016/B978-0-12-420037-1.00002-6

Barbosa, F. F., & Silva, R. H. (2018). Immediate-Early Gene Expression in Neural Circuits Related to Object Recognition Memory. In Handbook of Behavioral Neuroscience (Vol. 27, pp. 261–271). Elsevier B.V. https://doi.org/10.1016/B978-0-12-812012-5.00018-5

Bartolotti, N., & Lazarov, O. (2019). CREB signals as PBMC-based biomarkers of cognitive dysfunction: A novel perspective of the brain-immune axis. In Brain, Behavior, and Immunity (Vol. 78, pp. 9–20). Academic Press Inc. https://doi.org/10.1016/j.bbi.2019.01.004

Brookmeyer, R., Johnson, E., Ziegler-Graham, K., & Arrighi, H. M. (2007). Forecasting the global burden of Alzheimer's disease. Alzheimer's and Dementia, 3(3), 186–191. https://doi.org/10.1016/j.jalz.2007.04.381

Brunetti, C., Di Ferdinando, M., Fini, A., Pollastri, S., & Tattini, M. (2013). Flavonoids as Antioxidants and Developmental Regulators: Relative Significance in Plants and Humans. *International Journal of Molecular Sciences*, *14*(2), 3540–3555. https://doi.org/10.3390/ijms14023540

Bustin, S. A. (2004). *A-Z of quantitative PCR*. La Jolla, Ca: International University Line.

Chesworth, R., Watt, G., & Karl, T. (2018). Cannabinoid Modulation of Object Recognition and Location Memory—A Preclinical Assessment. In Handbook of Behavioral Neuroscience (Vol. 27, pp. 461–488). Elsevier B.V. https://doi.org/10.1016/B978-0-12-812012-5.00031-8

Cohen, S. J., & Stackman, R. W. (2015). Assessing rodent hippocampal involvement in the novel object recognition task. A review. Behavioural Brain Research, 285, 105–117. https://doi.org/10.1016/j.bbr.2014.08.002

Duong, S., Patel, T., & Chang, F. (2017). Dementia: What pharmacists need to know. Canadian Pharmacists Journal, 150(2), 118–129. https://doi.org/10.1177/1715163517690745

Enas, A., & Khalil. (2010). Study the Possible Protective and Therapeutic Influence of Coriander (Coriandrum sativum L.) Against Neurodegenerative Disorders and Alzheimer's disease Induced by Aluminum Chloride in Cerebral Cortex of Male Albino Rats. In Researcher (Vol. 2, Issue 8).

Farkas, D. H., & Holland, C. A. (2009). Overview of Molecular Diagnostic Techniques and Instrumentation. In Cell and Tissue Based Molecular Pathology (pp. 19–32). Elsevier Inc. https://doi.org/10.1016/B978-044306901-7.50008-0

Farrell, R. E. (2017). RT-PCR. In RNA Methodologies (pp. 209–281). Elsevier. https://doi.org/10.1016/b978-0-12-804678-4.00008-7

Gao, H., Yan, P., Zhang, S., Huang, H., Huang, F., Sun, T., Deng, Q., Huang, Q., Chen, S., Ye, K., Xu, J., & Liu, L. (2016). Long-Term Dietary Alpha-Linolenic Acid Supplement Alleviates Cognitive Impairment Correlate with Activating Hippocampal CREB Signaling in Natural Aging Rats. Molecular Neurobiology, 53(7), 4772–4786. https://doi.org/10.1007/s12035-015-9393-x

Gloriane Ulep, M., Kaur Saraon, S., & McLea, S. (2018). Alzheimer Disease. The Journal for Nurse Practitioners, 14(3), 129–135. https://doi.org/10.1016/j.nurpra.2017.10.014

Grabher, B. J. (2018). Effects of Alzheimer disease on patients and their family. Journal of Nuclear

Medicine Technology, 46(4), 335–340. https://doi.org/10.2967/jnmt.118.218057
Korolev, I. O. (2014). Alzheimer's Disease: A Clinical and Basic Science Review. Medical Student Research Journal, 04, 024–033. www.msrj.org
Laribi, B., Kouki, K., M'Hamdi, M., & Bettaieb, T. (2015). Coriander (Coriandrum sativum L.) and its bioactive constituents. In Fitoterapia (Vol. 103, pp. 9–26). Elsevier. https://doi.org/10.1016/j.fitote.2015.03.012
Lee, A. Y., Lee, M. H., Lee, S., & Cho, E. J. (2018). Neuroprotective Effect of Alpha-Linolenic Acid against Aβ-Mediated Inflammatory Responses in C6 Glial Cell. Journal of Agricultural and Food Chemistry, 66(19), 4853–4861. https://doi.org/10.1021/acs.jafc.8b00836
Leger, M., Quiedeville, A., Bouet, V., Haelewyn, B., Boulouard, M., Schumann-Bard, P., & Freret, T. (2013). Object recognition test in mice. Nature Protocols, 8(12), 2531–2537. https://doi.org/10.1038/nprot.2013.155
Mahdi, O., Baharuldin, M. T. H., Nor, N. H. M., Chiroma, S. M., Jagadeesan, S., & Moklas, M. A. M. (2019). Chemicals used for the induction of Alzheimer's disease-like cognitive dysfunctions in rodents. *Biomedical Research and Therapy*, *6*(11), 3460–3484. https://doi.org/10.15419/bmrat.v6i11.575
Mandal, S., & Mandal, M. (2015). Coriander (Coriandrum sativum L.) essential oil: Chemistry and biological activity. In Asian Pacific Journal of Tropical Biomedicine (Vol. 5, Issue 6, pp. 421–428). Hainan Medical University. https://doi.org/10.1016/j.apjtb.2015.04.001
Mani, V., Parle, M., Ramasamy, K., & Abdul Majeed, A. B. (2010). Reversal of memory deficits by Coriandrum sativum leaves in mice. Journal of the Science of Food and Agriculture, 91(1), 186–192. https://doi.org/10.1002/jsfa.4171
Mathiasen, J. R., & Dicamillo, A. (2010). Novel object recognition in the rat: A facile assay for cognitive function. In Current Protocols in Pharmacology (Vol. 49, Issue SUPPL. 49). https://doi.org/10.1002/0471141755.ph0559s49
Muralidar, S., Ambi, S. V., Sekaran, S., Thirumalai, D., & Palaniappan, B. (2020). Role of tau protein in Alzheimer's disease: The prime pathological player. In International Journal of Biological Macromolecules (Vol. 163, pp. 1599–1617). Elsevier B.V. https://doi.org/10.1016/j.ijbiomac.2020.07.327
Neffati, M., & Marzouk, B. (2008). Changes in essential oil and fatty acid composition in coriander (Coriandrum sativum L.) leaves under saline conditions. Industrial Crops and Products, 28(2), 137–142. https://doi.org/10.1016/j.indcrop.2008.02.005
Nunomura, A., Castellani, R. J., Zhu, X., Moreira, P. I., Perry, G., & Smith, M. A. (2006). Involvement of oxidative stress in Alzheimer disease. In Journal of Neuropathology and Experimental Neurology (Vol. 65, Issue 7, pp. 631–641). https://doi.org/10.1097/01.jnen.0000228136.58062.bf
O'Connell, J. (2002). The basics of RT-PCR. Some practical considerations. Methods in Molecular Biology (Clifton, N.J.), 193, 19–25. https://doi.org/10.1385/1-59259-283-x:019
Patel, K., & Patel, D. K. (2019). The Beneficial Role of Rutin, A Naturally Occurring Flavonoid in Health Promotion and Disease Prevention: A Systematic Review and Update. In Bioactive Food as Dietary Interventions for Arthritis and Related Inflammatory Diseases (pp. 457–479). Elsevier. https://doi.org/10.1016/b978-0-12-813820-5.00026-x
Prachayasittikul, V., Prachayasittikul, S., Ruchirawat, S., & Prachayasittikul, V. (2018). Coriander (Coriandrum sativum): A promising functional food toward the well-being. In Food Research International (Vol. 105, pp. 305–323). Elsevier Ltd. https://doi.org/10.1016/j.foodres.2017.11.019
Ramadan, M. F., Amer, M. M. A., & Awad, A. E. S. (2008). Coriander (Coriandrum sativum L.) seed oil improves plasma lipid profile in rats fed a diet containing cholesterol. European Food Research and Technology, 227(4), 1173–1182. https://doi.org/10.1007/s00217-008-0833-y
Ramirez, M. J., Bengoetxea, X., & Rodriguez-Perdigon, M. (2015). Object recognition test for studying cognitive impairments in animal models of Alzheimer s disease. *Frontiers in Bioscience*, *7*(1), 10–29. https://doi.org/10.2741/s421

Rebecca, J. (2020). *Herbal Medicine Development for Neurodegenerative Diseases.* Indonesia International Institute for Life Sciences, Jakarta, Indonesia.

Rocha, A. J., Miranda, R. de S., Sousa, A. J. S., & da Silva, A. L. C. (2016). Guidelines for Successful Quantitative Gene Expression in Real- Time qPCR Assays. *Polymerase Chain Reaction for Biomedical Applications*. https://doi.org/10.5772/65850

Rodríguez-Lázaro, D., & Hernández, M. (2014). Identification Methods: Real-Time PCR. In Encyclopedia of Food Microbiology: Second Edition (pp. 344–350). Elsevier Inc. https://doi.org/10.1016/B978-0-12-384730-0.00437-7

Rogers-Broadway, K.-R., & Karteris, E. (2015). Amplification efficiency and thermal stability of qPCR instrumentation: Current landscape and future perspectives. *Experimental and Therapeutic Medicine*, *10*(4), 1261–1264. https://doi.org/10.3892/etm.2015.2712

Saura, C. A., & Valero, J. (2011). The role of CREB signaling in Alzheimer's disease and other cognitive disorders. Reviews in the Neurosciences, 22(2), 153–169. https://doi.org/10.1515/RNS.2011.018

Shahidi, F., & Yeo, J. (2018). Bioactivities of Phenolics by Focusing on Suppression of Chronic Diseases: A Review. *International Journal of Molecular Sciences*, *19*(6), 1573. https://doi.org/10.3390/ijms19061573

Silva, M. V. F., Loures, C. D. M. G., Alves, L. C. V., De Souza, L. C., Borges, K. B. G., & Carvalho, M. D. G. (2019). Alzheimer's disease: Risk factors and potentially protective measures. Journal of Biomedical Science, 26(1), 33. https://doi.org/10.1186/s12929-019-0524-y

Sinyor, B., Mineo, J., & Ochner, C. (2020). Alzheimer's Disease, Inflammation, and the Role of Antioxidants. Journal of Alzheimer's Disease Reports, 4(1), 175–183. https://doi.org/10.3233/adr-200171

Sohn, E., Lim, H.-S., Kim, Y. J., Kim, B.-Y., & Jeong, S.-J. (2019). Annona atemoya Leaf Extract Improves Scopolamine-Induced Memory Impairment by Preventing Hippocampal Cholinergic Dysfunction and Neuronal Cell Death. *International Journal of Molecular Sciences*, *20*(14), 3538. https://doi.org/10.3390/ijms20143538

Stefanova, N. A., Muraleva, N. A., Korbolina, E. E., Kiseleva, E., Maksimova, K. Yi., & Kolosova, N. G. (2014). Amyloid accumulation is a late event in sporadic Alzheimer's disease-like pathology in nontransgenic rats. *Oncotarget*, *6*(3), 1396–1413. https://doi.org/10.18632/oncotarget.2751

Tang, K. S. (2019). The cellular and molecular processes associated with scopolamine-induced memory deficit: A model of Alzheimer's biomarkers. *Life Sciences*, *233*, 116695. https://doi.org/10.1016/j.lfs.2019.116695

Tiwari, S., Atluri, V., Kaushik, A., Yndart, A., & Nair, M. (2019). Alzheimer's disease: Pathogenesis, diagnostics, and therapeutics. In International Journal of Nanomedicine (Vol. 14, pp. 5541–5554). Dove Medical Press Ltd. https://doi.org/10.2147/IJN.S200490

Valasek, M. A., & Repa, J. J. (2005). The power of real-time PCR. American Journal of Physiology - Advances in Physiology Education, 29(3), 151–159. https://doi.org/10.1152/advan.00019.2005

Wu, T. T., Tsai, C. W., Yao, H. T., Lii, C. K., Chen, H. W., Wu, Y. L., Chen, P. Y., & Liu, K. L. (2010). Suppressive effects of extracts from the aerial part of Coriandrum sativum L. on LPS-induced inflammatory responses inmurine RAW 264.7 macrophages. Journal of the Science of Food and Agriculture, 90(11), 1846–1854. https://doi.org/10.1002/jsfa.4023

Yiannopoulou, K. G., & Papageorgiou, S. G. (2020). Current and Future Treatments in Alzheimer Disease: An Update. Journal of Central Nervous System Disease, 12, 117957352090739. https://doi.org/10.1177/1179573520907397

Zhang, P., Wang, J., Lang, H., Wang, W., Liu, X., Liu, H., Tan, C., Li, X., Zhao, Y., & Wu, X. (2018). Knockdown of CREB1 promotes apoptosis and decreases estradiol synthesis in mouse granulosa cells. Biomedicine and Pharmacotherapy, 105, 1141–1146. https://doi.org/10.1016/j.biopha.2018.06.101