

DAFTAR PUSTAKA

- Abel, T., and Lattal, K. M. 2001. Molecular Mechanisms of Memory Acquisition, Consolidation and Retrieval. *Neurobiology*. 11: 180–7.
- Aduema W, Munachi I, and Akunneh-Wariso C. 2018. Effect of Ethanol Extract Leaves of *Nymphaea lotus* (Water Lily) on Fear and Anxiety Behaviour in Mice. *Ann Clin Lab Res*. 6(1): 223.
- Ahmed, T., Zahid, S., Mahboob, A., and Mehpara F. S. 2017. Cholinergic System and Post-translational Modifications: An Insight on the Role in Alzheimer's Disease. *Curr. Neuropharmacol*. 15: 480–494.
- Alam, M. B., Naznin, M., Islam, S., Alshammari, F.H., Choi, H.-J., Song, B.-R., Kim, S., and Lee, S.-H. 2021. High Resolution Mass Spectroscopy-Based Secondary Metabolite Profiling of *Nymphaea nouchali* (Burm. f) Stem Attenuates Oxidative Stress via Regulation of MAPK/Nrf2/HO-1/ROS Pathway. *Antioxidants*. 10: 719.
- Aliyu, M., Atiku, M. K., Abdullahi, N., Imam, A. A. and Kankara I.A. 2018. Evaluation of In vitro Antioxidant Potentials of *Nymphaea lotus* and *Nymphaea pubescens* Seed Oils. *IJBCRR*, 24(1): 1-8.
- Angadi, K. K., Kandru, A., and Rahaman, A. 2013. Antihyperglycaemic, Antihyperlipidaemic and Antioxidant Assays (In Vivo) Of *Nymphaea pubescens* Leaf Extract. *Int J Pharm Bio Sci*. 4(2): 624 – 630.
- Ashrafian, H., Zadeh, E. H., and Khan, R. H. 2021. Review on Alzheimer's disease: Inhibition of amyloid beta and tau tangle formation. *International Journal of Biological Macromolecules*. 167: 382–394.
- Ayala, A., Muñoz, M. F., and Argüelles, S. 2014. Lipid Peroxidation: Production, Metabolism, and Signaling Mechanisms of Malondialdehyde and 4-Hydroxy-2-Nonenal. *Hindawi Publishing Corporation Oxidative Medicine and Cellular Longevity*. 1-31.
- Bajpai, Vivek K., Alam, M. D., Badrul, Ju, M, J., Kwon, K., Huh, Y. S., Han, Y., and Lee, S. H. 2018. Antioxidant Mechanism of Polyphenol-rich *Nymphaea nouchali* Leaf Extract Protecting DNA Damage and Attenuating Oxidative Stress-induced Cell Death Via Nrf2-mediated Heme-oxygenase-1 Induction Coupled with ERK/p38 Signaling Pathway. *Biomedicine & Pharmacotherapy*, 103: 1397–1407.

- Barrera G., Pizzimenti, S., Daga, M., Dianzani, C., Arcaro, A., Cetrangolo, G. P., Giordano, G., Cucci, M. A., Graf, M., and Gentile, F. 2018. Lipid Peroxidation-derived Aldehydes, 4-hydroxynonenal and Malondialdehyde in Aging-related Disorders, *Antioxidants*. 7 (8).
- Bonet-Costa, V., Herranz-Pérez, V., Blanco-Gandía, M., Mas-Bargues, C., Inglés, M., Garcia-Tarraga, P., Rodriguez-Arias, M., Miñarro, J., Borrás, C., Garcia-V., Jose, M., and Viña, J. 2016. Clearing Amyloid- β through PPAR γ /ApoE Activation by Genistein is a Treatment of Experimental Alzheimer's Disease. *Journal of Alzheimer's Disease*. 51(3), 701–711.
- Brown, and Richard, E. 2020. Donald O. Hebb and the Organization of Behavior: 17 Years in the Writing. *Molecular Brain*. 13 (1): 55.
- Castellano, J.M., Garcia-Rodriguez, S., Espinosa, J.M., Millan-Linares, M.C., Rada, M. and Perona, J.S. 2019. Oleanolic Acid Exerts a Neuroprotective Effect Against Microglial Cell Activation by Modulating Cytokine Release and Antioxidant Defense Systems. *Biomolecules*. 9 (11): 683.
- Chaaya, N., Battle, A. R., and Johnson, L. R. 2018. An Update on Contextual Fear Memory Mechanisms: Transition between Amygdala and Hippocampus. *Neuroscience & Biobehavioral Reviews*. [92](#): 43-54.
- Chen, Y., Zhou, R., Yi, Z., Li, Y., Fu, Y., Zhang, Y., Li, P., Li, X., and Pan, Y. 2017. *Porphyromonas gingivalis* Induced Inflammatory Responses and Promoted Apoptosis in Lung Epithelial Cells Infected with H1N1 via the Bcl-2/Bax/Caspase-3 Signaling Pathway. *Molecular Medicine Reports*. 18: 97-104.
- Chernyuk, D. P., Zorin, A. G., Derevtsova, K. Z., Efimova, E. V., Prikhodko, V. A., Sysoev, Y. I., Vlasova, O. L., Bolsunovskaia, M. V., and Bezprozvanny, I. B. 2021. Automatic Analysis of the "Morris Water Maze" Behavioral Test Data. *Zhurnal Vysshei Nervnoi Deyatelnosti Imeni I.P. Pavlova*, 71(1), 126-135.
- Cruz, A. C., Petronilho, F., Heluany, C. C. V., Vuolo, F., Miguel, S. P., Quevedo, J., Romano-Silva, M. A., and Dal-Pizzol, F. 2014. Oxidative stress and aging: correlation with clinical parameters. *Aging Clinical and Experimental Research*. 26(1), 7–12.
- Darvishi-Khesri H., Salehifar E., Kosaryan M., Karami H., Alipour A., Shaki F. and Aliasgharian A. 2017. The Impact of Silymarin on Antioxidant and Oxidative Status in Patients with β -thalassemia Major: A crossover, randomized controlled trial. *Complement Ther Med*. Vol 35: 25-32.

- Dawkins, E., and Small, D.H. 2014. Insights Into the Physiological Function of the β -amyloid Precursor Protein: Beyond Alzheimer's Disease. *J. Neurochem.* 129: 756–769.
- Debnath, S., Ghosh, S., and Hazra, B. 2013. Inhibitory Effect of *Nymphaea pubescens* Willd. Flower Extract on Carrageenan-Induced Inflammation and Ccl4-Induced Hepatotoxicity in Rats. *Food and Chemical Toxicology*, 59, 485–491.
- Efendi, R., Wirasti, and Muthoharoh, A. 2018. Absorpsi Amoxicillin pada Tikus Galur Wistar dan Galur Sprague Dawley. *Cendekia Journal Of Pharmacy*. 2(2): 2559 – 2163.
- Elkins, G., Rajab, M.H., and Marcus, J. 2005. Complementary and Alternative Medicine Use by Psychiatric Inpatients. *Psychol Rep* 96: 163-166.
- Fitrial, Y., dan Khairina, R. (2011). *Teratai. Aspek Gizi, Potensi dan Pemanfaatannya sebagai Pangan Fungsional*. Yogyakarta: Eja Publisher.
- Fitrial, Y., Astawan, M., T. Soekarto, S., Wiryawan, K. G., and Wresdiyati, T. 2012. Potensi Biji dan Ekstrak Biji Teratai (*Nymphaea pubescens* Willd) Sebagai Pencegah Diare pada Tikus Percobaan yang Diintervensi *E. coli* Enteropatogenik. *AGRITECH*. 32(3).
- Fossen, T., Larsen, A., Kiremire, B.T., and Andersen, M. 1999. Flavonoids from Blue Flowers of *Nymphaea caerulea*. *Phytochemistry*. 51(8), 1133–1137.
- Gameiro, I., Michalska, P., and Tenti, G. 2017. Discovery of the First Dual GSK3 β Inhibitor/Nrf2 Inducer. A New Multitarget Therapeutic Strategy for Alzheimer's Disease. *Sci Rep* .7: 45701.
- Gaschler, M. M., and Stockwell, B. 2017. Lipid Peroxidation in Cell Death. *Biochem Biophys Res Commun*. 482(3): 419–425.
- Geloso, M. C., Corvino, V., and Michetti, F. 2011. Trimethyltin-Induced Hippocampal Degeneration as a Tool to Investigate Neurodegenerative Processes. *Neurochem International*. 58(7):729–38.
- Gudoityte, E., Arandarcikaite, O., Mazeikiene, I., Bendokas, V., and Liobikas, J. 2021. Ursolic and Oleanolic Acids: Plant Metabolites with Neuroprotective Potential. *Int. J. Mol. Sci.* 22: 4599.
- Hassan, A. I., Ghoneim, M. A. M., and Ibrahim, R.Y. M. 2015. Therapeutic Role of Glucogalactan Polysaccharide Extracted from *Agaricus Bisporus* on Trimethyltin Chloride Induced Neuropathy in Rats. *African Journal of Biotechnology*. 14(24): 2052-2065.

- Havas, D., Hutter-Paier, B., Ubhi, K., Rockenstein, E., Crailsheim, K., Masliah, E., and Windisch, M. 2011. A Longitudinal Study of Behavioral Deficits in an A β PP Transgenic Mouse Model of Alzheimer's Disease. *Journal of Alzheimer's Disease*, 25(2), 231–243.
- Hsiao, Y.-H., Hung, H.-C., Chen, S.-H., and Gean, P.-W. 2014. Social Interaction Rescues Memory Deficit in an Animal Model of Alzheimer's Disease by Increasing BDNF-Dependent Hippocampal Neurogenesis. *Journal of Neuroscience*, 34(49), 16207–16219.
- Kamei, J., Matsunawa, Y., Miyata, S., Tanaka, S., and Saitoh, A. 2004. Effects of Nociceptin on the Exploratory Behavior of Mice in the Hole Board Test. *Eur J Pharmacol.* 489:77–87.
- Kang, J.Y., Park, S.K., Guo, T.J., Ha, J.S., Lee, D.S., Kim, J.M., Lee, U., Kim, D.O., and Heo H.J. 2016. Reversal of Trimethyltin-Induced Learning and Memory Deficits by 3,5-Dicaffeoylquinic Acid. *Hindawi Publishing Corporation Oxidative Medicine and Cellular Longevity*.1-13.
- Kaur, S., Chhabra, R., Nehru, B. 2013. *Ginkgo biloba* extract attenuates hippocampal neuronal loss and cognitive dysfunction resulting from trimethyltin in mice. *Phytomedicine*. 20(2): 178–186.
- Kennedy, Richard, E., Cutter, Gary, R., Fowler, Mackenzie, E., Schneider, and Lon, S. 2018. Association of Concomitant Use of Cholinesterase Inhibitors or Memantine With Cognitive Decline in Alzheimer Clinical Trials. *JAMA Network Open*. 1(7), e184080.
- Khan, H., Ullah, H., Aschner, M., Cheang, W. S., and Akkol, E. K. 2019. Neuroprotective Effects of Quercetin in Alzheimer's Disease. *Biomolecules*, 10(1), 59.
- Kim, D. J., and Kim, Y. S. 2015. Trimethyltin-Induced Microglial Activation via NADPH Oxidase and MAPKs Pathway in BV-2 Microglial Cells. *Mediators of Inflammation*. 2015:1–14.
- Kim, J. M., Park, S. K., Kang, J. Y., Park, S. B., Yoo, S. K., Han, H. J., Kim, C., Lee, U. , Kim, S., and Heo, H. J. 2018. Ethyl Acetate Fraction from Persimmon (*Diospyros kaki*) Ameliorates Cerebral Neuronal Loss and Cognitive Deficit via the JNK/Akt Pathway in TMT-Induced Mice. *Int. J. Mol. Sci.* 19: 1499.
- Kim, W-Y., and Snider, W. D. 2011. Functions of GSK-3 Signaling in Development of the Nervous System. *Frontiers in Molecular Neuroscience*. 4.

- Kristianingrum, Y. P., Widyarini, S., Kurniasih, Sutrisno, B., Tabbu, C. R., & Sugiyono. 2016. Gambaran Histopatologi Otak Tikus Akibat Injeksi Trimethyltin sebagai Model Penyakit Alzheimer. *Jurnal Sain Veteriner*. 34 (1): 84–91.
- Lee, P.R., Brady, D.L., Shapiro, R.A., Dorsa, D.M., and Koenig, J.I. 2005. Social Interaction Deficits Caused by Chronic Phencyclidine Administration are Reversed by Oxytocin. *Neuropsychopharmacology* 30:1883–1894.
- Lee, S., Yang, M., Kim, J., Kang, S., Kim, J., Kim, J-C., Jung, C., Shin, T., Kim, S-H., and Moon, C. 2016. Trimethyltin-induced hippocampal neurodegeneration: A mechanism-based review. *Brain Research Bulletin*. 125: 187–199.
- Li, Y., Liu, R., Ji, W., Liu, L., and Zhang, X. 2018. Delivery Systems for Theranostics in Neurodegenerative Diseases. *Nano Research* 11(10); 5535-5555.
- Liu, Z., Lv, J., Zhang, Z., Wang, B., Duan, L., Li, C., Xie, H., Lia, T., Zhou, X., Xua, R., Chena, N., Liud, W., and Ming, H. 2021. The Main Mechanisms of Trimethyltin Chloride-induced Neurotoxicity: Energy Metabolism Disorder and Peroxidation Damage. *Toxicology Letters*, 345, 67–76.
- Mas-Bargues, C., Escrivá, C., Dromant, M., Borrás, C., and Viña, J. 2021. Lipid Peroxidation as Measured by Chromatographic Determination of Malondialdehyde. Human Plasma Reference Values in Health and Disease. *Archives of Biochemistry and Biophysics*. 709: 108-941.
- Masnunah, S., Wiratmini, N. I., dan Suarni, N. M. R. 2020. Uji Efektivitas Neuroprotektif Ekstrak Daun Pepaya (*Carica papaya* L.) Terhadap Sel Piramidal di Hipokampus dan Korteks Serebri Mencit (*Mus musculus* L.) yang Diinduksi Trimethyltin. *Metamorfosa: Journal of Biological Sciences*. 7(1): 30-39.
- Muna, L. N. 2017. Teratai (*Nymphaea stellata* Willd) Sebagai Agen Antidiabetik. *Inpharmed*, 1(1), 48–54.
- Munasinghe, J. U., Dilhan, M. A. A. B., and Sundarabarathy, T. V. 2008 . Utilization of Aquatic Plants: A Method to Enhance the Productivity of Water in Seasonal Tanks in the Anuradhapura District. *Proceedings*. National Conference on Water, Food Security and Climate Change in Sri Lanka.
- Nadel, L., Winocur, G., Ryan, L., and Moscovitch, M. 2007. Systems Consolidation And Hippocampus: Two Views. *Debates in Neuroscience*. 1: 55–66.

- Naghizadeh, B., and Mansouri, M. 2014. Protective Effects of Gallic Acid Against Streptozotocin-induced Oxidative Damage in Rat Striatum. *Drug Res.* 65(10): 515-520.
- Nomso C, and Aduema W. 2018. Effects of Ethanol Extract Leaves of *Nymphaea lotus* (water lily) on Learning and Memory in CD-1 Mice. *Glob J Pharmaceu Sci.* 4(3): 555637.
- Pamplona R., Borrás, C., Jov'e, M., Iradas, I., Ferrer, I., and Vina, J. 2019. Redox Lipidomics to Better Understand Brain Aging and Function. *Free Radic. Biol. Med.* 144: 310–321.
- Parimala, M., and Shoba, F.G. 2014. *In vitro* Antimicrobial Activity and HPTLC Analysis of Hydroalcoholic Seed Extract of *Nymphaea nouchali* Burm. f.. *BMC Complement Altern Med.* 14: 361.
- Park, S. K., Kang, J. Y., Kim, J. M., Yoo, S. K., Han, H. J., Chung, D. H., Kim, D.O., Kim, G. H., and Heo, H. J. 2019. Fucoidan-Rich Substances from *Ecklonia cava* Improve Trimethyltin-Induced Cognitive Dysfunction via Down-Regulation of Amyloid β Production/Tau Hyperphosphorylation. *Marine Drugs.* 17(10), 591.
- Pham, H. T. N., Phan, S. V., Tran, H. N., Phi, X. T., Le, X. T., Nguyen, K. M., Fujiwara, H., Yoneyama, M., Ogita, K., Yamaguchi, T., Matsumoto, K. 2019. *Bacopa monnieri* (L.) Ameliorates Cognitive Deficits Caused in a Trimethyltin-Induced Neurotoxicity Model Mice. *Biological and Pharmaceutical Bulletin*, 42(8), 1384–1393.
- Piolino, P., Coste, C., Martinelli, P., Macé, A.-L., Quinette, P., Guillery-Girard, B., and Belleville, S. 2010. Reduced Specificity of Autobiographical Memory and Aging: do the Executive and Feature Binding Functions of Working Memory have a Role?. *Neuropsychologia.* 48: 429–440.
- Pradas, I., Huynh, K., Cabr'e, R., Ayala, V., Meikle, P. J., Jov'e, M., and Pamplona, R. 2018. Lipidomics Reveals a Tissue-specific Fingerprint. *Front. Physiol.* 9 : 1165.
- Rai, A., Madhyastha, S., and Sahu, S. 2014. Resveratrol Reverses the Restraint Induced Cognitive Dysfunction Involving Brain Antioxidant System in Rats. *Int J Pharm Pharm Sci* 6: 768–772.
- Rendeiro, C., Rhodes, J.S., and Spencer, J.P. 2015. The Mechanisms of Action of Flavonoids in the Brain: Direct Versus Indirect Effects. *Neurochem Int.* 89:126–139.

- Rendeiro, C., Spencer, J. P. E., Vauzour, D., Butler, L. T., Ellis, J. A., and Williams, C. M. 2009. The Impact of Flavonoids on Spatial Memory in Rodents: from Behaviour to Underlying Hippocampal Mechanisms. *Genes Nutr.* 4(4): 251–270.
- Rugg, M.D., and Vilberg, K.L. 2013. Brain Networks Underlying Episodic Memory Retrieval. *Curr. Opin. Neurobiol.* 23: 255–260.
- Sabogal-Guáqueta, A. M., Muñoz-Manco, J. I., Ramírez-Pineda, J. R., Lamprea-Rodriguez, M., Osorio, E., and Cardona-Gómez, G. P. 2015. The Flavonoid Quercetin Ameliorates Alzheimer's Disease Pathology and Protects Cognitive and Emotional Function in Aged Triple Transgenic Alzheimer's Disease Model Mice. *Neuropharmacology.* 93: 134–145.
- Safwan, Yuliani, S., dan Pramono, S. 2014. Uji Aktivitas Minyak Atsiri Rimpang Kunyit (*Curcuma longa* Linn) pada Tikus Sprague Dawley Model Demensia. *Kartika Jurnal Ilmiah Farmasi.* 2 (2), 20-26.
- Saputra, O., dan Sitepu, R.J. 2016. Pengaruh Konsumsi Flavonoid Terhadap Fungsi Kognitif Otak Manusia. *Jurnal Fakultas Kedokteran Universitas Lampung.* 5(3): 134–139.
- Sayuti, K. dan Yenrina, R. 2015. *Antioksidan Alami Dan Sintetik.* Andalas University Press. Padang.
- Sferrazza, C. 2016. *The Hebb-Williams Maze.* URL: <https://conductscience.com/maze/what-is-hebb-williams-maze>. Diakses tanggal 20 Desember 2021.
- Shrager, Y., Bayley, P. J., Bontempi, B., Hopkins, R. O., and Squire, L. R. 2007. Spatial Memory and the Human Hippocampus. *Proceedings of the National Academy of Sciences*, 104(8), 2961–2966.
- Sharma, S., Rakoczy, S., and Brown-Borg, H. 2010. Assessment of Spatial Memory in Mice. *Life Sciences.* 87: 521–536.
- Sies, H., and Jones. D. P. 2020. Reactive Oxygen Species (ROS) as Pleiotropic Physiological Signalling Agents. *Nat. Rev. Mol. Cell Biol.* 21 (7): 363–383.
- Sirichaiwetchakoon, K., Suksuphew, S., Srisawat, R., and Eumkeb, G. 2021. *Butea superba* Roxb. Extract Ameliorates Scopolamine-Induced Cognitive and Memory Impairment in Aged Male Rats. *Evidence-Based Complementary and Alternative Medicine.* 15.
- Solanki, I, Parihar, P., Mansuri, M.L., and Parihar, M.S. 2015. Flavonoid-Based Therapies in the Early Management of Neurodegeneration Diseases. *Advances in Nutrition*, 6(1): 64-72.

- Spagnuolo, C., Moccia, S., and Luigi, R. G. 2017. Anti-inflammatory Effects of Flavonoids in Neurodegenerative Disorders. *European Journal of Medicinal Chemistry*. [153](#): 105-115.
- Sriraksa, N., Wattanathorn, J., Muchimapura, S., Tiamkao, S., Brown, K., and Chaisiwamongkol, K. 2012. Cognitive-enhancing Effect of Quercetin in a Rat Model of Parkinson's disease Induced by 6-hydroxydopamine. *Evid Based Complement Alternat Med*. 82: 3206-3213.
- Srithi, S. 2014. Memory Enhancing Medicinal Herbs. *J Pharm Sci Res*. 6(10): 331.
- Swomley, A.M., Förster, S., Keeney, J.T., Triplett, J., Zhang, Z., Sultana, R., and Butterfield, D.A. 2014. Abeta, Oxidative Stress in Alzheimer Disease: Evidence Based on Proteomics Studies. *Biochim. Et Biophys. Acta*. 1842: 1248–1257.
- Tang, X., Yang, X., Lai, G., Guo, J., Xia, L., Wu, B., Xie, Y., Huang, M., Chen, J., Ruan, X., Sui, G., Ge, Y., and Zhou, W. 2010. Mechanism Underlying Hypokalemia Induced by Trimethyltin Chloride: Inhibition of H⁺ /K⁺ -ATPase in Renal Intercalated Cells. *Toxicology* 27, 45–50.
- Tromp, D., Bernard, F., Dufour, A., Lithfous, S., Pebayle, T., and Després, O. 2015. Episodic Memory in Normal Aging and Alzheimer Disease: Insights from Imaging and Behavioral Studies. *Ageing Research Reviews*. 24: 232-262.
- Tsai, S.-J., and Yin, M.-C. 2012. Anti-oxidative, Anti-glycative and Anti-apoptotic Effects of Oleanolic Acid in Brain of Mice Treated by D-galactose. *Journal of Natural Products*. 689(1-3).
- Tunan, A.M. 2012. Phytochemical Investigation of *Nymphaea pubescens* and Study of its Antimicrobial Activities. *Dissertation*. Pharmacy, East West University. Dhaka.
- Uddin, M. N., Samad, M. A., Zubair, M. A., Haque, M. Z., Mitra, K., and Khan, T. A. 2020. Potential Bioactive Phytochemicals, Antioxidant Properties and Anticancer Pathways of *Nymphaea nouchali*. *Asian Pac J Trop Biomed*. 10(12): 555-562.
- Wang, D.-M., Li, S.-Q., Wu, W.-L., Zhu, X.-Y., Wang, Y., and Yuan, H.-Y. 2014. Effects of Long-Term Treatment with Quercetin on Cognition and Mitochondrial Function in a Mouse Model of Alzheimer's Disease. *Neurochemical Research*. 39(8): 1533–1543.
- World Health Organization. 2017. *Mental Disorder Fact Sheets*. URL: <http://www.who.int/mediacentre/factsheets/fs396/en/>. Diakses tanggal 13 Januari 2021.

- Youn, K., Yun, E. Y., Lee, J., Kim, J. Y., Hwang, J. S., and Jeong, W. S. 2014. Oleic Acid and Linoleic Acid from *Tenebrio molitor* larvae Inhibit BACE1 Activity In Vitro: Molecular Docking Studies. *J Med Food*. 17(2):m 284-9.
- Yuliani, S., Mustofa, and Partadiredja, G. 2018. The Neuroprotective Effects of an Ethanolic Turmeric (*Curcuma longa* L.) Extract Against Trimethyltin-induced Oxidative Stress in Rats. *Nutritional Neuroscience*. 1–8.
- Yuliani, S., and Setiani L. 2017. The effect of Tumeric Rhizome (*Curcuma longa* L) on radial arm maze and passive avoidance test in Trimethyltin-induced rat models. *JKKI: Jurnal Kedokteran dan Kesehatan Indonesia*. 8(1):3-9.
- Zhao, W., Pan, X., Li, T., Zhang, C., and Shi, N. 2016. Polysaccharides Protect against Trimethyltin Chloride-Induced Apoptosis via Sonic Hedgehog and PI3K/Akt Signaling Pathways in Mouse Neuro-2a Cells. *Oxidative Medicine and Cellular Longevity*. 1–18.
- Zhong J. Y., Magnusson K. R., Swarts M. E., Clendinen C. A., Reynolds N. C. and Moffat S. D. 2017. The Application of a Rodent-Based Morris Water Maze (MWM) Protocol to an Investigation Of Age-Related Differences in Human Spatial Learning. *Behav Neurosci* 131(6): 470-482.
- Zhou, T., Zhang, M., Du, H., Ablimit, A., Ye, R., Lü, M., Chang, X., Zhao, Q., Wang, Y., and Qin, Q. 2021. Hydrogen Rich Water Ameliorate Trimethyltin Induced Spatial Learning and Memory Impairment by Regulation of Siah-1. *Reaserch Square*. 1(8).
- Zou, Z., Bellenger, S., Massey, K. A., Nicolaou, A., Geissler, A., Bidu, C., Bonnotte, B., Pierre, A.-S., Minville-Walz, M., Rialland, M., Seubert, J., Kang, J. X., Lagrost, L., Narce, M., and Bellenger, J. 2013. Inhibition of the HER2 pathway by n-3 polyunsaturated fatty acids prevents breast cancer in fat-1 transgenic mice. *The Journal of Lipid Research*, 54(12), 3453–3463.