

DAFTAR PUSTAKA

- Abu-Taweel GM. 2016. Effect of Monosodium Glutamate and Aspartame on Behavioural and Biochemical Parameters of Male Albino Mice. *African Journal of Biotechnology*. 15 (15): 601-612.
- Al-Himyari FA. 2009. The Use of Honey as A Natural Preventive Therapy of Cognitive Decline and Dementia in the Middle East. *Alzheimer Dement*. 5, P247.
- Ali RM, Aslani J, Raessi N, Gharaie H, Karimi ZAA, Raessi F. 2013. Honey Plus Coffee Versus Systemic Steroid in the Treatment of Persistent Post-Infectious Cough: A Randomized Controlled Trial. *Primary Care Respiratory Journal*. 22 (3): 325-330.
- Al-Rahbi B, Zakaria R, Othman Z, Hassan A, Ismail ZIM, Muthuraju S. 2014. Tualang Honey Supplement Improves Memory Performance and Hippocampal Morphology in Stressed Ovariectomized Rats. *Acta Histochem*. 116: 79-88.
- Aminuddin M, Partadiredja G, Sari DCR. 2014. The Effects of Black Garlic (*Allium sativum* L.) Ethanol Extract on the Estimated Total Number of Purkinje Cells and Motor Coordination of Male Adolescent Wistar Rats Treated with Monosodium Glutamate. *Anatomical Science Internasional*. 90 (2): 75-81.
- Angraini AD. 2006. Potensi Lebah Propolis *Trigona* sp. sebagai Bahan Antibakteri. *Skripsi*. Institut Pertanian Bogor. Bogor.
- Ardyanto TD. 2004. MSG dan Kesehatan: Sejarah, Efek dan Kontroversinya. *Inovasi*. 1 (16): 52-56.
- Arwani MH, Trianto HF, An A. 2015. Histologi Korteks Serebri Tikus Putih Jantan Galur Wistar Setelah Penghentian Pajanan Monosodium Glutamat (MSG). *Jurnal Vokasi Kesehatan*. 1(6): 176-180.
- Azman KF, Zakaria R, Aziz CBA, Othman Z, Al-Rahbi B. 2015. Tualang Honey Improves Memory Performance and Decreases Depressive-Like Behaviour in Rats Exposed to Loud Noise Stress. *A Bimonthly Inter-disciplinary International Journal*. 17 (75): 83-89.
- Brown, Gillian R, Nemes C. 2008. The Exploratory Behaviour of Rats in the Hole-Board Apparatus: Is Head-dipping a Valid Measure of Neophilia?. *Behavioural Processes*. 78: 442-448.
- Casarrubea M, Cancemi D, Cudia A, Faulisi F, Sorbera F, Magnusson MS, Cardaci M, Crescimanno. 2014. Temporal Structure of Rat Behavior in the Social Interaction Test. *Proceedings of Measuring Behavior 27-29 Agustus 2014*. Wageningen, The Netherlands.

- Collison KS, Makhoul NJ, Inglis A, Al-Johi M, Zaidi MZ, Maqbool Z, Saleh SM, Bakheet R, Mondreal R, Al-Rabiah R. 2010. Dietary Trans-Fat Combined with Monosodium Glutamate Induces Dyslipidemia and Impairs Spatial Memory. *Physiology and Behavior*. 99 (3): 334-342.
- Davis K, Christodoulou J, Seider S, Gardner H. 2011. The Theory of Multiple Intelligences (Chapter 24 of Cambridge Handbook of Intelligence). <https://www.researchgate.net/publication/317388610>. Diakses pada tanggal 11 September 2018.
- D'Hooge R, De Deyn PP. 2001. Applications of the Morris Water Maze in the Study of Learning and Memory. *Brain Research Reviews*. 36 (1): 60-90.
- Dreamstime. 2018. Albino Laboratory Rat Looking on Holeboard. <https://www.dreamstime.com/stock-photography-albino-laboratory-rat-looking-hole-board-image12292352>. Diakses tanggal 11 September 2018.
- Erguder IB, Namuslu M, Sozener U, Devrim E, Avci A, Kocaoglu, Durak I. 2008. Effects of Aqueous Green Tea Extract on Activities of DNA Turn-over Enzymes in Cancerous and Non-Cancerous Human Gastric And Colon Tissues. *Althervative Therapies*. 14 (3): 30-33.
- Eroschenko VP. 2008. *DiFiore's Atlas of Histology with Functional Correlations*. Lippincott Williams & Wilkins. Philadelphia, USA.
- Fardian N, Maulina M, La Tabari MF, Mardiati. 2017. The Effect of Monosodium Glutamate (MSG) Administration to Pyramidal Cell Necrosis on Cerebral Cortex of Wistar Male Rats (*Rattus novergicus*). *Proceedings of Malikussaleh International Conference on Multidisciplinary Studies (MICoMS) 2017*. Lhokseumawe, Aceh.
- Filmar Y. 2017. Efektivitas Pemberian Media Pemancing *Trigona* sp. (*Stingless Bees*) Pada Perangkap Tempurung Kelapa. *Skripsi*. Universitas Andalas. Padang.
- Foran L, Kupelian C, Laroia S, Esper J, Kulesza RJ. 2016. Neoatal Exposure to Monosodium Glutamate Results in Dymorphology of Orofacial Lower Motor Neurons. *Folia Morphol*. 76 (4): 582-589.
- Guyton AC, Hall JE. 2011. *Text Book of Medical Phisiology 12th ed*. W. B. Sanders. Philadelphia.
- Hashem HE, Safwat MDE, Algaidi S. 2012. The Effect of Monosodium Glutamate on the Cerebellar Cortex of Male Albino Rats and the Protective Role of Vitamin C (Histological and Immunohistochemical Study). *Journal of Mollecular Histology*. 43 (2): 179-186.
- Healy SD, Alves CJ. 2010. Spatial Memory. *Encyclopedia of Animal Behaviour*. 304-307.

- Hirota J, Shimizu S. 2012. Chapter 22: Routes of Administration. The Laboratory Mouse (Second Edition) Page: 709-725. <https://www.sciencedirect.com/science/article/pii/B9780123820082000301>. Diakses tanggal 25 Oktober 2018.
- Huang Y, Zhou W, Zhang Y. 2011. Bright Lightning Conditions During Testing Increase Thigmotaxis and Impair Water Maze Performance in BALB/c Mice. *Behavioural Brain Research*. 226: 26-31.
- Juananda D, Astari RV. 2018. Stres Imobilisasi Kronik Mengganggu Memori Spasial Mencit Putih (*Mus musculus*) Galur Swiss Webster Jantan. *Anatomica Medical Journal*. 1 (1): 27-33.
- Kalsum U, Ilyas S, Hutahaenan S. 2013. Pengaruh Pemberian Vitamin C dan E terhadap Gambaran Histologis Testis Mencit (*Mus musculus* L.) yang dipajankan Monosodium Glutamat (MSG). *Jurnal Universitas Sumatra Utara*. 1 (3): 7-12.
- Kooij MAVD, Sandi C. 2012. Social Memories in Rodents: Methods, Mechanisms and Modulation by Stress. *Neuroscience and Biobehavioral Reviews*. 36: 1763-1772.
- Kumar MS, Tony DE, Rao NR. 2013. Effect of *Tragia plukenetii* R-Smith Leaf Extracts on Learning, Memory, and Reasoning Using Hebb's William Maze. *Research Journal of Pharmaceutical, Biological, and Chemical Science*. 4 (2): 1363-1366.
- Maze Engineers. 2018. The Hebb-Williams Maze. <https://mazeengineers.com/portfolio/hebb-williams/>. Diakses tanggal 2 Oktober 2018.
- Nadege KE, Sylviane DNM, Agathe FL, Clarisse MOF, Germain TS, David PB, Simon P, Stephanie NKJ, Elisabeth NB. 2017. Antioxidant Properties of *Dichrocephala integrifolia* (Asteraceae) in a Mouse Model of Monosodium Glutamate-Induced Neurotoxicity. *Afr J Tradit Complement Altern Med*. 14 (5): 147-155.
- Nikoui V, Ostadhadi S, Azhand P, Zolfaghari S, Amiri S, Foroohandeh M, Motevalian M, Sharifi AM, Bakhtiarian A. 2016. The Effect of Nitrazepam on Depression and Curiosity in Behavioral Tests in Mice: The Role of Potassium Channels. *European Journal of Pharmacology*. 791: 369-376.
- Ningsih HU. 2018. Efek Pemberian Ekstrak Buah Kurma Ajwa (*Phoenix dactylifera* L.) terhadap Jumlah Neuron Embrio Mencit. *Skripsi*. Universitas Islam Negeri Sunan Ampel. Surabaya.
- Nunez J. 2008. Morris Water Maze Experiment. *Journal of Visualized Experiment*. 19: 1-2.
- Oddo LP, Heard TA, Malaver AR, Perez RA, Muino MF, Sancho MT, Sesta G, Lusco L, Patricia. 2008. Composition and Antioxidant Activity of *Trigona*

carbonaria Honey from Australia. *Journal of Medicinal Food*. 11 (4): 789-794.

Onaolapo OJ. 2015. Neurobehavioural, Neurochemical, and Histological Effects of Monosodium Glutamat in Mice. *Thesis*. Ladoke Akintola University. <https://www.researchgate.net/publication/306012589/download>. Diakses tanggal 11 September 2018.

Onaolapo OJ, Onaolapo AY, Akanmu MA, Gbola O. 2016. Evidence of Alterations in Brain Structure and Antioxidant Status Following Low Dose Monosodium Glutamat Ingestion. *Pathophysiology*. 23: 147-156.

Onaolapo AY, Odetunde I, Akintola AS, Ogundeji MO, Ajao A, Obelawo AY, Onaolapo OJ. 2019. Dietary Composition Modulates Impact of Food Added Monosodium Glutamate on Behaviour, Metabolic Status and Cerebral Costical Morphology in Mice. *Biomedicine and Pharmacotherapy*. 109: 417-428.

Oyekunle OA, Akanmu MA, Ogundeji TP. 2010. Evaluation of Anxiolytic and Novelty Induced Behaviours Following Bee-Honey Consumption in Rats. *Journal of Neuroscience and Behavioural Health*. 2 (4): 38-43

PBTLI (Prime Behaviour Testing Laboratories Inc.). 2015. Social Recognition Task. http://www.pbtli.com/services/cognitionSocial_Recognition.html. Diakses tanggal 02 Oktober 2018.

Prastiwi D. 2015. Pengaruh Pemberian Monosodium Glutamat terhadap Koordinasi Motorik dan Jumlah Sel Purkinje Serebellum Tikus Wistar (*Rattus norvegicus*) Jantan Remaja. *Tesis*. Universitas Gadjah Mada. Yogyakarta.

Pritchett K, Mulder GB. 2004. Hebb-Williams Maze. *American Association for Laboratory Animal Science*. 43 (5): 44-45.

Rahman MM, Gan SH, Khalil MI. 2014. Neurological Effects of Honey: Current and Future Prospect. *Evidenced-Based Complementary and Alternative Medicine*. 1-13.

Rangkuti RH, Suwarso E, Hasibuan PAZ. 2012. Pengaruh Pemberian Monosodium Glutamat (MSG) pada Pembentukan Mikronukleus Sel Darah Merah Mencit. *Journal of Pharmaceutics and Pharmacology*. 1 (1): 29-36.

Rao PV, Krishnan KT, Salleh N, Gan SH. 2016. Biological and Therapeutic Effects of Honey Produced by Honey Bees and Stingless Bees: a Comparative Review. *Brazillian Journal of Pharmacognosy*. 26: 657-664.

Riyandoko, Riendrisari SD. 2016. Memelihara Lebah Trigona: Panen Madu tanpa Tersengat. <http://www.worldagroforestry.org/region/sea/publications/download?dl=/newsletter/NL0087-16.pdf&pubID=3630>. Diakses tanggal 11 September 2018.

- Rofiqoh H, Wigati KW, Suhartati. 2018. Efek Proteksi Latihan Fisik terhadap Kemampuan Belajar dan Memori *Mus musculus* yang diberikan Monosodium Glutamat. *eJKI*. 6: 4-9.
- Rose FD, Johnson DA. 1992. Recovery from Brain Damage: Reflections and Directions. *Advances in Experimental Medicine and Biology*. 325: 1-211
- Salatnaya H. 2012. Produktivitas Lebah *Trigona* spp. sebagai Penghasil Propolis pada Perkebunan Pala Monokultur dan Polikultur di Jawa Barat. *Tesis*. Institut Pertanian Bogor. Bogor.
- Samueljohn.de. 2010. Morris Water Maze. <https://commons.wikimedia.org/wiki/File:MorrisWaterMaze.svg>. Diakses tanggal 11 September 2018.
- Sato A, Mizuguchi M, Ikeda K. 2018. Social Interaction Test: a Sensitive Method for Examining Autism-related Behavioral Deficits. <https://www.nature.com/protocolexchange/protocols/2695>. Diakses tanggal 02 Oktober 2018.
- Saxena AK, Phyu HP, Talib NA, Al-Ani IMD. 2014. Assessment of Neuroprotective Potential of Tualang Honey in Alzheimer Model of Rat. International Research. *Invention and Inovation Exhibition (11th-13th June 2014)*. Kuala Lumpur.
- Septadina IS. 2014. Pengaruh Monosodium Glutamat terhadap Sistem Reproduksi. *Makalah*. Universitas Sriwijaya. Palembang.
- Siagian M, Jusuf AA, Handini M. 2014. Effect of Monosodium Glutamate Exposure on Renal Function and Histology in Rats and its Changes After Cessation of Exposure. *Thesis*. Universitas Indonesia. Jakarta.
- Singh K, Ahluwalia P. 2012. Effect of Monosodium Glutamate on Lipid Peroxidation and Certain Antioxidant Enzymes in Cardiac Tissue of Alcoholic Adult Male Mice. *Journal of Cardiovascular Disease Research*. 3 (1): 12-18.
- Suarez JMA, Gasparrini M, Hernandez TYF, Mazzoni L, Giampieri F. 2014. The Composition and Biological Activity of Honey: a Focus on Manuka Honey. *Foods*. 3: 420-432.
- Sulfitni, Delyuzar, Sabri E. 2013. Efek Pemberian Madu terhadap Lesi Hepar Maternal Mencit Terpapar Monosodium Glutamate (MSG) Selama Masa Kehamilan. *Majalah Kedokteran Nusantara*. 46 (2): 77-82.
- Sumanth M, Yashaswini YC. 2016. Evaluation of Learning and Memory Enhancing Activity of Commiphora Caudata Leaves in Rats. *World Journal of Pharmaceutical Research*. 5 (5): 1223-1236.
- Supradewi R. 2010. Otak, Musik, dan Proses Belajar. *Buletin Psikologi*. 18 (2): 56-68.

- Suryadi S, Gunawan D, Evacuasiyany E. 2013. Pengaruh Madu terhadap Peningkatan Memori Jangka Pendek. *Tesis*. Universitas Kristen Maranatha. Bandung.
- Suvarna SK, Layton C, Bancroft JD. 2018. *Bancroft's Theory and Practice of Histological Techniques 8th edition*. Churchill Livingstone Elsevier. Philadelphia, USA.
- Tartibian B, Maleki BH. 2012. The Effects of Honey Supplementation on Seminal Plasma Cytokines, Oxidative Stress Biomarkers, and Antioxidants During 8 Weeks of Intensive Cycling Training. *Journal of Andrology*. 33 (3): 449-461.
- Tuksitha L, Chen YLS, Chen YL, Wong KY, Peng CC. 2018. Antioxidant and Antibacterial Capacity of Stingless Bee Honey from Borneo (Sarawak). *Journal of Asia-Pacific Entomology*. 21: 563-570.
- Ugo Basile. 2018. Hole Board. <https://www.ugobasile.com/products/catalogue/motory-coordination-grip-strength-activity/item/6-6650-hole-board.html>. Diakses tanggal 25 Oktober 2018.
- Vogel HG, Vogel WH. 2013. *Drug Discovery and Evaluation: Pharmacological Assays*. Springer, Herlag Berlin Heidelberg. New York.
- Xiong JS, Branigan D, Li M. 2009. Deciphering the MSG Controversy. *International Journal of Clinical and Experimental Medicine*. 2 (4): 329-336.
- Yaacob M, Rajab NF, Shahar S, Sharif R. 2017. Stingless Bee Honey and Its Potential Value: A Systematic Review. *Food Research*. 1-10.
- Yonata A, Iswara I. 2016. Efek Toksik Konsumsi Monosodium Glutamat. *Medical Journal of Lampung University*. 5 (3): 100-104.

