

DAFTAR PUSTAKA

- Adi, P., Puspitasari, A. Dan Islami, M. U., 2015, Pengaruh Konsentrasi Rebusan Kelopak Bunga Rosella terhadap pH Saliva Buatan, *Maj. Ked. Gi.* 1(2): 156 – 160.
- Alhejoury, H. A., Mogharbel, L. F., Al-Qadhi, M. A., Shamlan, S. S., Alturki, A. F., Babatin, W. M., Alaishan, R. A. M and Pullishery, F., 2021, Artificial Saliva for Therapeutic Management of Xerostomia; A Narrative Review, *J. Pharm Bioallied Sci.* 13(suppl 2): S903-S907.
- Amal, A. S. S., Hussain, S. dan Jalaluddin, M. A., 2015, Preparation of Artificial Saliva Formulation, *Proceeding – ICB Pharma II*, ISSN: 9-772476-969006.
- Anis, M. Y. dan Hariani, D., 2019, Pemberian Pakan Komersial dengan Penambahan EM4 (Effective Microorganisme 4) untuk Meningkatkan Laju Pertumbuhan Lele (*Clarias* sp.), *Jurnal Riset Biologi dan Aplikasinya* 1(1): 1 – 8.
- Barret, K. E., Barman, S. M., Boitano, S. dan Brooks, H. L., 2017, *Ganong's Review of Medical Physiology*, 25th Edition, Mc.Graw-Hill Education: New York.
- Ballegard, A. R. dan Bogh, K. L., 2023, Intestinal Protein Uptake and IgE – Mediated Food Allergy, *Food Research International* 163 (112150).
- Bansil, R. and Turner, B. S., 2006, Mucin Structure, Aggregation, Physiological Functions and Biomedical Application, *Current Opinion in Colloid & Interface Science* 11: 164 – 170, doi:10.1016/j.cocis.2005.11.001.
- Bhatnagar, A., Kumari, S. and Tyor, A. K., 2023, Assessment of Bactericidal Role of Epidermal Mucus of *Heteropneustes fossilis* and *Clarias batrachus* (Asian Cat Fishes) Against Pathogenic Microbial Strains, *Aquaculture and Fisheries* 8: 50 – 58, <https://doi.org/10.1016/j.aaf.2021.08.010>
- Cawson, R.A. dan Odell, E. W., 2003, *Cawson;s Essentials of Oral Pathology and Oral Medicine 7th Edition*, Elsevier Science Limited: Churcill Livingstone, pp 258.
- Cifuentes, M., Del Barrio-Diaz, P. dan Vera-Kellet, C., 2018, Pilocarpine and Artificial Saliva for The Treatment of Xerostomia and Xerophthalmia in Sjörge Syndrome: A Double – Blind Randomized Controlled Trial, *British Journal of Dermatology* 179: 1056 – 1061.

- De Almeida, P. D. V., Gregio, A. M. T., Machado. M. A. N., de Lima, A. A. S. dan Azevedo, L. R., 2008, Saliva Composition and Functions: A Comprehensive Review, *J. Contemp. Dent. Pract* 9(3): 072 – 080.
- Duman, S. dan Vural, H., 2020, Evaluation of The Relationship between Malocclusions and Sleep – Disordered Breathing in Children, *Cranio®: The Journal of Craniomandibular & Sleep Practice*, DOI: [10.1080/08869634.2020.1779508](https://doi.org/10.1080/08869634.2020.1779508)
- Faris M. dan Ibrahim, R. H., 2021, *Complete Blood Count Test*, https://www.researchgate.net/publication/352865641_complete_blood_count_test (170623).
- Fadhila, N. E., 2023, Pengaruh Pemberian Kombinasi Probiotik Terhadap Penurunan Kadar Immunoglobulin E pada Tikus Model Rinitis Alergi, *Skripsi*, Fakultas Kedokteran Umum Universitas Sultan Agung Semarang.
- Firdausi, 2022, Pengaruh Pemberian Ekstrak Jahe (*Zingiber Officinale*) Terhadap Kadar Immunoglobulin E (IgE) (Studi Eksperimental Terapi Rinitis Alergi terhadap Tikus Putih Jantan *Rattus norvegicus* Galur *Sprague Dawley* yang Diinduksi Tungau Debu Rumah), *Skripsi*, Fakultas Kedokteran Universitas Islam Sultan Agung Semarang.
- Fitria, L. dan Sarto, M., 2014, Profil hematologi Tikus (*Rattus norvegicus* *Berkenhout*, 1769) Galur Wistar Jantan dan Betina Umur 4, 6 dan 8 Minggu, *Biogenesis* 96 (2).
- Foglio – Bonda, A., Foglio – Bonda, P. L., Bottini, M., Pezzotti, F. dan Migliario, 2022, Chemical – Physical Characteristics of Artificial Saliva Subtitutes: Rheological Evaluation, *European Review for Medical and Pharmacological Sciences* 26: 7833 – 7839.
- Frydrych, A. M., 2016, Dry Mouth: Xerostomia and Salivary Gland Hypofunction, *AFP* 45 (7): 488 – 492.
- Godwin, L., Sinawe, H. and Crane, J. S., 2023, *Biochemistry, Immunoglobulin E in Statpearls(Internet)*, Statpearls PublishingLLC: Treasure Island (FL).
- Gomez, D., Sunyer, J. O dan Salinas, I., 2013, The Mucosal Immune System of Fish: The Evolution of Tolerating Commensals While Fighting Pathogens, *Fish Shellfish Immunol* 35 (6): 1729 – 1739.
- Gonzales, G. M., Diaz, Z. M., Eyzaguirre, V. J., Gonzales, A. C., Bravo, J. A dan Julio, P. M., 2019, Investigating Gut Permeability in Animal Models of Disease, *Front. Physiol* 9(1962).

- Harlim, A., 2018, *Buku Ajar Ilmu Kesehatan Kulit dan Kelamin Immunologi Inflamasi*, Edisi I, FK UKI: Jakarta.
- Hastjarjo, T. D., 2019, Rancangan Eksperimen-Kuasi (Quasi-Experimental Design), *Buletin Psikologi* 27(2): 187 – 203).
- Herawati, F., Andrajati, R., Umar F., 2011, *Pedoman Interpretasi Data Klinik*, Kementerian Kesehatan Republik Indonesia: Jakarta.
- Hussin, N. M., Ahmad, A. H and Sulaiman, M. R., 2019, Minerals, Amino Acids and Fatty Acids Profile of Two Different Species of Catfish Epidermal Mucus, *Transactions on Science and Technology* 6(2-2): 175 – 183.
- Ingle, E. N., 2020, Artificial Saliva for Therapeutic Management of Xerostomia: A Structured Review, *Journal of Oral Health and Community Dentistry* 14 (1): 32 – 36.
- Isbagio, D. W., 1992, Euthanasia pada Hewan Percobaan, *Media Litbangkes* II (01): 18 – 24.
- Ismail, W. A., Pangastuti, P. H. dan Purnama, M. T. E., 2020, Perbandingan Struktur Kulit Ikan Lele (*Clarias batrachus*) dan Nila (*Oreochromis niloticus*) di Perairan Tawar Banyuwangi, *Prosiding Seminar Nasional Kedokteran Hewan dan Call of Paper*, e-ISBN : 978-602-70438-2-4.
- Kasuma, N., 2015, *Fisiologi dan Patologi Saliva*, Padang: Andalas University Press, ISBN: 978-602-8821-69-8.
- Kaur, M., Himadi, E., Chi, D. L., 2016, Prevalence of Xerostomia in An Adolescent Inpatient Psychiatric Clinic: A Preliminary Study, *Spec Care Dentist* 36 (2): 60 – 65.
- Kementerian Kesehatan, 2011, *Pedoman Interpretasi Data Klinik*, Jakarta.
- Kohout, V. R., Wardzala, C. L. dan Kramer, J. R., 2022, Synthesis and Biomedical Applications of Mucin Mimic Materials, *Advanced Drug Delivery Reviews* 191 (114540).
- Kusuma, G. A., 2017, Pengaruh Pemberian Ekstrak Buah Majapahit Terhadap Jumlah Eritrosit Ikan Lele (*Clarias batrachus*) yang Terinfeksi Bakteri *Aeromonas hydrophilia*, Tesis, Universitas Muhammadiyah Gresik.
- Lee, P. W., 2012, Characterization of IgG and IgE Binding to Parvalbumin Derived from Commercially Important Fish Species, Dissertations, Theses, & Student Research in Food Science and Technology 23, Food Science and Technology Department: Nebraska – Lincoln, <https://digitalcommons.unl.edu/foodscidiss/23> (090623).

- Lirio, G. A. C., De Leon, J. A. A. dan Villafuerte, A. G., 2019, Antimicrobial Activity of Epidermal Mucus from Top Aquaculture Fish Species Against Medically – Important Pathogens, *Walailak. J. Sci. & Tech.* 16(5): 329 – 340.
- Lozano – Ojalvo, D., Berin, C. dan Tordesillas, L., 2019, Immune Basis of Allergic Reactions to Food, *J Investig Allergol Clin Immunol* 29(1): 1 – 14.
- Lysik, D., Laskowska, K. N., Bucki, R., Tokajuk, G. and Mystkowska, J., 2021, Artificial Saliva: Challenges and Future Perspectives for the Treatment of Xerostomia, *Int. J. Mol. Sci.* 2019 (20): 3199, doi:10.3390/ijms20133199.
- McDermott, M., Cerullo, A. R., Parziale, J., Achrak, E., Sultana, S., Ferd, J., Samad, S., Deng, W., Braunschweig, A. B., and Holford, M., 2021, Advancing Discovery of Snail Mucins Function and Application, *Front. Bioeng. Biotechnol.* 9: 734023.
- Miles, E. A. dan Calder, P. C., 2017, Review: Can Early Omega-3 Fatty Acid Exposure Reduce Risk of Childhood Allergic Disease?, *Nutrients* 9(784): 1-16, doi:10.3390/nu9070784.
- Millsop, J. W., Wang E. A. dan Fazel, N., 2017, Etiology, Evaluation, and Management of Xerostomia, *Clinics in dermatology* 35: 468 – 476.
- Okafor, S. N., Akunne, T. C., Okechukwu, D. C., Nwankwor, S. S., Emene. J. O. and Okoro, B. N., 2016, Catfish Slime Coat Possesses Antimicrobial and Wound Healing Activities, *UK. J. Pharm & Biosci*, 4(3): 82 – 87. ISSN: 2347 – 9442.
- O’keefe, A. W., DeSchryver, S., Mill, J., Mill, C., Dery, A. and Ben-Shoshan, M., 2014, Diagnosis and Management of Food Allergies: New and Emerging Options: A Systematic Review, *Journal of Asthma and Allergy* 7 : 141 – 164.
- Parves, I., Rumi, R. A., Ray, P. R., Hassan, Md. M., Sultana, S., Pervin, R., Suwanno, S. and Pradit, S., 2022, Invasion of African *Clarias gariepinus* Drives Genetic Erosion of the Indigenous *C. batrachus* in Bangladesh, *Biology* 11(252), <https://doi.org/10.3390/biology11020252>
- Patil, R. N., Kadam, J. S., Ingole, J. R, Sathe, T. V. dan Jadhav, A. D., 2015, Antibacterial Activity of Fish Mucus From *Clarias bathracus* (Linn.) Against Selected Microbes, *Biolife* 3(4): 788 – 791.
- Patel, S., Kotadiya, A., Patel, S., Shrimali, B., Joshi, N., Patel, T., Trivedi, H., Patel, J., Johrapurkar, A dan Jain, M., 2024, Age-related Changes in Hematological and Biochemical Profiles of Wistar Rats, *Laboratory Animal Research* 40 (7): 1-12.

- Petar, P., Dubois, D., Rabin, B. S., and Shurin, M. R., 2005, *Immunoglobulin Titers and Immunoglobulin Subtypes in Measuring Immunity*, Elsevier: London, 158 – 171, ISBN 0 – 12 – 455900 – X.
- Petrou, G., dan Crouzier, T., 2018, Mucins as Multifunctional Building Blocks of Biomaterials, *Biomater. Sci.* 6: 2282 – 2297.
- Sarkar, A., Xu, F. and lee, S., 2019, Human Saliva and Model Saliva at Bulk to Adsorbed Phases – Similarities and Differences, *Advances in Colloid and Interface Science* 273(102034): 1 – 13, <https://doi.org/10.1016/j.cis.2019.102034>
- Sartorio, M. U. A., Pendezza, E., Coppola, S., Paparo, L., D'Auria, E., Zuccoti, G. V. dan Canani, R. B., 2022, Review: Potential Role of Omega – 3 Polyunsaturated Fatty Acids in Pediatric Food Allergy, *Nutrients* 14 (152): 1 – 13.
- Setiawan, A. M., 2016, *Hubungan Proses Dekomposisi dan Panjang Larva Lalat pada Tikus Wistar yang Mati Akibat Kehilangan Darah*, S1 Thesis, Universitas Kristen Indonesia
- Shin, J. H., Reddy, Y. V. M., Park, T. J. dan Park, J. P., 2022, Recent Advances in Analytical Strategies and Microsystems for Food Allergen Detection, *Food Chemistry* 371 (131120).
- Stevani, H., 2016, *Modul Bahan Ajar Cetak Farmasi: Praktikum Farmakologi*, 1st Edition, Jakarta: Pusdik SDM Kesehatan BPPSDM Kementerian Kesehatan Indonesia.
- Stolze, J., Teepen, J.C., Raber-Durlacher, J.E., Loonen, J.J., Kok, J.L., Tissing, W.J.E., deVries, A.C.H., Neggers, S.J.C.M.M., van Dulmen-den Broeder, E., vanden Heuvel-Eibrink, M.M., dkk., 2022, Prevalence and Risk Factors for Hyposalivation and Xerostomia in Childhood Cancer Survivors Following Different Treatment Modalities – A Dutch Childhood Cancer Survivor Cancer Survivor Study Late Effects 2 Clinical Study (DCCSS LATER 2), *Cancers* 14 (3379): 1 – 14.
- Subijanto, A. A., dan Diding, H. P., 2006, Pengaruh Ekstrak Daun Ceremai (*Phyllanthus acidus* (L.) Skeels) terhadap Kadar IgE pada Mencit Model Alergi, *Jurnal Kedokteran Yarsi* 16 (1): 013 – 017.
- Temam, M.B., Ramadani, A.H. dan Sil Valen, F., *Clarias batrachus linnaeus*, 1758 (*siluformes, clariidae*): Records of Threatened Catfish from Bawean Island, Indonesia, *Genbinesia J. Biol.* 1 (1): 30 – 34.
- Tarigan, W. P. L., Tarigan, C. U., Halim, C., Valerie, J., Itanza, V. dan Oeintz, R., 2022, Antimicrobial Potentian of Catfish (*Clarias batrachus*) and

Snakehead Fish (*Chana striata*) Mucus on Bacterial Coliform Growth and Its Application as the Organic Face Mask and Lipstick, *Natural Science: Journal of Science and Technology* 11(2): 58 – 66, DOI: <https://dx.doi.org/10.22487/25411969.2022.v11.i2.16171>

Thachil J, Bates I. 2017, Approach to the Diagnosis and Classification of Blood Cell Disorders, *Dacie and Lewis Practical Haematology*, 497–510. doi: 10.1016/B978-0-7020-6696-2.00023-0.

Tomobe, Y. I., Morizawa, K., Tsuchida, M., Hibino, H., Nakano, Y and Tanaka, Y., 2000, Dietary Docosahexaenoic Acid Suppresses Inflammation and Immunoresponses in Contact Hypersensitivity Reaction in Mice, *Lipids* 35(1): 61 – 69.

Tortora, G. J., dan Derrickson, B. H., 2017, *Tortora's Principles of Anatomy and Physiology*, 15th Edition, Wiley Company: Philadelphia.

Unita, L., R., 2016, Perbedaan Volume, pH dan Kadar Kalsium Saliva Karies dan Bebas Karies Pada Mahasiswa Fakultas Kedokteran Gigi Universitas Sumatera Utara, *dentika Dental Journal* 19 (2): 128 – 132.

Walsh, L. J., 2017, Dry Mouth: A Clinical Problem for Children and Young Adult, *International Dentistry* 9 (5): 48 – 58.

Widyastuti, D. A., Profil Darah Tikus Putih Wistar pada Kondisi Subkronis Pemberian Natrium Nitrit, *JSV* 31 (2): 201 – 215.

Yang, H., Qu, Y., Gao, Y., Sun, S., Ding, R., Cang, W, Wu, R., and Wu, J., 2022, Role of the Dietary Components in Food Allergy: A Comprehensive Review, *Food Chemistry* 386 (132762).

Yoretina, Z. S., Renascahntika, D., Nasikah, R., Susanto, H. and Yulianto, H. D. K., 2021, Potensi Lendir Lele (*Clarias batrachus*) sebagai Saliva Buatan untuk Perawatan Mulut Kering, *Jurnal Perikanan Universitas Gadjah Mada* 23(2): 127 – 131, DOI <https://doi.org/10.22146/jfs.62569>

Yudianto, D. O., 2014, Gel Getah Batang Pisang Ambon (*Musa paradisiaca* var. *sapientum*) Untuk Meningkatkan Jumlah Sel Limfosit pada Luka Pasca Gingivektomi Tikus Wistar (*Rattus norvegicus*), *Skripsi*, Malang, Fakultas Kedokteran Universitas Brawijaya.