

## DAFTAR PUSTAKA

- Alen, Y., F.L. avita Agresa, dan Y. Yuliandra. 2017. Analisis Kromatografi Lapis Tipis (KLT) dan Aktivitas Antihiperurisemia Ekstrak Rebung *Schizostachyum brachycladum* Kurz (Kurz) pada Mencit Putih Jantan. *Jurnal Sains Farmasi & Klinis*, 3(2): 146-152.
- Allen, D.G. Jr. 2004. Regulatory Control of Histamine Production In North Carolina Harvested Mahi-Mahi (*Coryphaena Hippurus*) And Yellowfin Tuna (*Thunnus Albacares*): A HACCP-Based Industry Survey. Raleigh: Department Food Science. North Carolina State University. Master Thesis.
- Arnold, S.H. and W.D Brown. 1978. Histamin (?) Toxicity from Fish Products. *Adv. Food Res.*, 24: 113-154.
- Arnold, S.H., R.J. Price, and W.D Brown. 1980. Histamine formation by bacteria isolated from skipjack tuna (*Katsuwonus pelamis*). *Bull. Jap. Soc. Sci. Fish.*, 46: 447-51.
- Atmadjaja, J.S. 1994. Isolasi dan Identifikasi *Morganella morganii* JD-37 sebagai Bakteri Pembentuk Histamin dari Tongkol (*Euthynnus* sp). Universitas Gadjah Mada. Thesis Master.
- Badan Pusat Statistik (BPS). 2015. Ekspor Tongkol/Tuna Menurut Negara Tujuan Utama, 2002-2015. Badan Pusat Statistik. <<https://www.bps.go.id/statictable/2014/09/08/1019/ekspor-ikan-Tongkol-tuna-menurut-negara-tujuan-utama-2002-2015.html>>. Diakses 28 April 2019.
- Badan Standarisasi Nasional (BSN). 2015. Cara Pengujian Bakteri TPC. (SNI 01-2332.3-2015). Badan Standarisasi Nasional, Jakarta.
- Bajc, Z., and Gačnik K.S. 2009. Densitometric KLT Analysis of Histamine In Fish And Fishery Products. *Journal of Planar Chromatography* 22(1): 15–17.
- Baranyi, J. & T.A. Roberts. 1994. A dynamic approach to predicting bacterial growth in food. *Int.l J. of Food Microbiology* 23(3-4): 277-94.
- Baranyi, J. and T.A. Roberts. 1995. Mathematics of predictive food microbiology. *International Journal of Microbiology* 26: 199-218.
- Behling, A.R. and S.L. Taylor. 1982. Bacterial histamin production as a function of temperature and time of incubation. *J. Food Sci.* 47:1311–1317.

- Chen, C.M., C.I. Wei, J.A. Koburger, and M.R. Marshall. 1989. Comparison of four agar media for detection of histamine-producing bacteria in tuna. *Journal of Food Protection* Vol. 52, No. II: 808-813.
- Codex Alimentarius Commision. 2001. Report Of Twenty-Fourth Session Of The Codex Committee on Fish and Fishery Product. [Report]. FAO/WHO, Bergen.
- Den Besten, H.M.W., M. Mataragas, R. Moezelaar, T. Abee & M.H. Zwietering. 2006. Quantification of the effects of salt stress and physiological state on thermo tolerance of *Bacillus cereus* ATCC 10987 and ATCC 14579. *Appl. Environ. Microbiol.* 72: 5884–5894.
- Di Grande, A. 1999. The scombroid syndrome, a potentially serious ichthyotoxicosis. *Ann. Ital. Med. Int.*, 14: 51–53.
- Dityanawarman, A. 2018. Analisis Hubungan Suhu Dengan Parameter Pertumbuhan Bakteri Penghasil Histamin Pada Ikan Cakalang. Fakultas Pertanian. Universitas Gadjah Mada. Master Thesis.S
- Eckles, C. H., W. B. Combs, and H. Macy. 1980. *Milk and Milk Products* 4th Edition. Tata McGraw Hill Publishing Company Ltd., New Delhi.
- Emborg, J., P. Ahrens, and P. Dalgaard. 2007. *Morganella psychrotolerans* - Identification, histamin formation and importance for histamin fish poisoning. Denmark: Danish Institute for Fisheries Research. Doctoral Dissertation.
- Emborg, J and P. Dalgaard. 2008. Growth, inactivation and histamin formation of *Morganella psychrotolerans* and *Morganella morganii* — development and evaluation of predictive models. *International Journal of Food Microbiology* 128: 234–243.
- Etienne. M., Ifremer, and Nantes. 2006. SEAFOOD plus–Traceability–Valid–Methods for chemical quality assessment Methodology for histamine and biogenic amines analysis. France.
- Etsy, J.R. & K.F. Meyer. 1922. The heat resistance of the spores of *C. botulinum* and allied anaerobes. *J. Infect. Des* 34: 650-663.
- Fadly, N. 2009. Asesmen Risiko Histamin Ikan Tuna (*Thunnus* Sp.) Segar Berbagai Mutu Ekspor pada Proses Pembongkaran (Transit). Fakultas Perikanan dan Ilmu Kelautan, Institut Peertanian Bogor. Skripsi.
- Fakruddin, Md., R.M. Mazumder, and K.S.B. Mannan. 2011. Predictive microbiology: Modeling microbial responses in food. *Ceylon Journal of Science (Bio. Sci.)* 40 (2): 121-131.

- Food and Drug Administration (FDA). 2001. FDA and EPA safety level in regulation and guidance, 3rd Edition. FDA, Washington D.C.
- Food and Drug Administration (FDA). 1998. FDA and EPA guidance levels. In: Fish and Fishery Products Hazards and Controls Guide, 2nd Edition, Department of Health and Human Services, Public Health Service, Food and Drug Administration, Center for Food Safety and Applied Nutrition, Office of Seafood, Washington DC, pp. 245–248.
- Fulton, M. 1943. The identity of *Bacterium columbensis* Castellani. J Bacteriol. 46:79–82.
- Garbutt, J. 1997. Essentials of Food Microbiology. Arnold, London.
- Indriati, N., Rispayeni, dan E.S. Heruwati. 2006. Studi Pembentuk Histamin pada Ikan Kembung Peda Selama Pengolahan. Jurnal Pascapanen dan Bioteknologi Kelautan dan Perikanan Vol. 1 No. 2.
- Janda, J.M. and S.L. Abbott. 2005. Genus XXI *Morganella* Fulton 1943, 81AL. In Bergey's Manual of Systematic Bacteriology, 2nd ed, vol. 2, part B: 707–709. Edited by Brenner DJ, Krieg NR, Staley JT. New York (US): Springer.
- Januar, H.I. 2009. Perbandingan Beberapa Metode Analisis Histamin Untuk Produk Perikanan. Balai Besar Riset Pengolahan Produk Dan Bioteknologi Kelautan Dan Perikanan. Squalen Vol. 4 No. 2.
- Kanki, M., T. Yoda, T. Tsukamoto, and E. Baba. 2007. Histidine decarboxylases and their role in accumulation of histamine in tuna and dried saury. Applied and Environmental Microbiology. Mar 1467–1473.
- Keer, M., L. Paul, A. Sylvia & R. Carl. 2002. Effect of storage condition on histamin formation in fresh and canned tuna. Comissioned by Food Safety Unit, Victoria.
- Kementerian Kelautan dan Perikanan (KKP). 2015. Analisis data pokok Kementerian Kelautan dan Perikanan 2015. Data Statistik dan Informasi KKP, Jakarta
- Kementerian Kelautan dan Perikanan (KKP). 2016. Rencana Pengelolaan Perikanan Wilayah Pengelolaan Perikanan Negara Republik Indonesia 712. Kementerian Kelautan dan Perikanan, Jakarta.
- Kim, S.H., B.B. Gigirey, J.B. Velaquez, R.J. Price, and H. An. 2000. Histamin and biogenic amine production by *Morganella morganii* isolated from temperature-abused albacore. Journal of Food Protection 63(2): 244-251.

- Kim, S.H., K.G. Field, D.S. Chang, C.I. Wei, and H. AN. 2001. Identification of bacteria crucial to histamin accumulation in pacific mackerel during storage. *J. Food Prot.*
- Kim, S.H., R.J. Price, M.T. Morrissey, K.G.Field, C.I. Wei, and H.J. An. 2002. Histamin production by *Morganella morganii* in mackerel, albacore, mahi-mahi, and salmon at various storage temperatures. *Journal of Food Science* 67: 1522–1528.
- Kimata, M. and Kawai, A. 1953. A new species of bacterium which produces large amounts of histamin on fish meats, found in spoiled fresh fish. *Mem Res Inst Food Sci* 6: 1–2.
- Koessler, K.K., M.T. Hanke, and M. S. Sheppard. 1928. Production of histamine, tyramine, bronchospastic and arteriospastic substances in blood broth by pure cultures of microorganisms. *J. Infect. Dis.* 43: 363-377.
- Koneman, E.W., S.D. Allen, W.M. Janda, and W.C. Winn. 1997. The Enterobacteriaceae. In *Color atlas and textbook of diagnostic microbiology*, 5th Edition, E. W. Koneman, S. D. Allen, W. M. Janda, P. C. Schreckenberger, and W. C. Winn, Jr. (eds.). Lippincott-Raven, Philadelphia, Pennsylvania. pp. 213.
- Lehane, L. and J. Olley. 2000. Histamine Fish Poisoning Revisited. *International Journal of Food Microbiology* 58: 1–37.
- Mangunwardoyo, W., R.A. Sophia, dan E.S. Heruwati. 2007. Seleksi dan Pengujian Aktivitas Enzim L-Histidine Decarboxylase dari Bakteri Pembentuk Histamin. *Makara, Sains*, Vol. 11, No. 2: 104-109.
- Manos, J. and B. Robert. 2006. The Genera *Proteus*, *Providencia*, and *Morganella*. *Prokaryotes*, 6:245-269.
- Mc Lauchin J., C.L. Little, K.A. Grant, and V. Mithani. 2005. Scombritoxic fi sh poisoning. *Journal of Public Health Andvance* 10: 1093.
- Molenaar, D., J.S. Bosscher, B.T. Brink, A.J. Driessen, and W.N. Konings. 1993. Generation of a proton motive force by histidine decarboxylation and electrogenic histidine/histamine antiport in *Lactobacillus buchneri*. *J. Bacteriol.* Vol 175 (10): 2864-2870.
- Muchtadi. D. and S.K. Betty. 1980. *Petunjuk Praktek Mikrobiologi Hasil Pertanian* 2. Departemen Pendidikan Tinggi dan Kebudayaan, Jakarta.
- Mulja, M. dan Suharman. 1995. *Analisis Instrumental*, 225, 231, 232. Airlangga University Press, Surabaya.

- Nahla, T.K. dan H.E.S.M. Farag. 2005. Histamin and histamin producing bacteria in some local and imported fish and their public health significance. *Research Journal of Agriculture and Biological Sciences* 1(4): 329-336.
- Ndaw, A., A. Zinedine, and A.Bouseta. 2007. Assessment of histamin formation during fermentation of sardine (*Sardina pilchardus*) with lactic acid bacteria. *World Journal of Dairy and Food Science* 2(2): 42-48.
- Niven, C.F., M.B. Jeffrey, and D.A. Corlett. 1981. Differential Plating Medium for Quantitative Detection of Histamin-Producing Bacteria. *Applied and Environmental Microbiology* 41 (1): 321-322.
- Nurhajati, T., K. Soepranianondo, dan W.P. Lokapirnasari. 2016. Uji Aktivitas Pertumbuhan *Enterobacter cloacae* Selulolitik Aerob Rumen-1 Isolat Asal Limbah Cairan Rumen Sapi Peranakan Ongole. *Jurnal Veteriner* Vol. 17 No. 3: 383-388.
- Oktaviani, A. 2008. Studi Keragaman Cacing Parasitik pada Saluran Pencernaan Ikan Gurami (*Osphronemus gourami*) dan Tongkol (*Euthynnus* spp.). Fakultas Kedokteran Hewan. Institut Pertanian Bogor. Skripsi.
- Pelczar, M.J. dan E. C. S. Chan. 1986. *Dasar-Dasar Mikrobiologi*. UI Press, Jakarta.
- Pertiwi, D. 2015. Biologi Reproduksi Ikan Tongkol (*Euthynnus Affinis* Cantor, 1849) di Perairan Selat Sunda yang Didaratkan di PPP Labuan, Banten. Fakultas Perikanan dan Ilmu Kelautan. Institut Pertanian Bogor. Skripsi.
- Popovic, N. and J. Sherma. 2014. Comparative Study of the Quantification of thin layer chromatograms of a model dye using three types of commercial densitometers and image analysis with ImageJ. *Trend in Chromatography*, vol.9.
- Prescott, L., M. Harley, P.K. John, and A. Donald. 2005. *Microbiology Sixth Edition*. Mc Graw Hill Companier, Amerika.
- Purnamawati, A. 2013. *Dasar-Dasar Ekspor Impor*. UPP STIM YKPN. Yogyakarta.
- Putro, S. 1986. Keracunan Histamin dari Hasil Perikanan. Dalam Lanjuran Seminar Keamanan Pangan dalam Pengolahan dan Penyajian. Yogyakarta.
- Ratkowsky, D. A., J. Olley, T. A. McMeekin, and A. Ball. 1982. Relationship between temperature and growth rate of bacterial cultures. *J. Bacteriol.* 149:1-5.
- Ratkowsky, D.A., R.K. Lowry, T.A. McMeekin, A.N. Stokes and R.E. Chandler. 1983. Model for bacterial culture growth rate throughout the entire biokinetic temperature range. *Journal of Bacteriology* 154: 1222–1226.

- Ray, B. 2001. *Fundamental Food Microbiology*. Ed-2. CRC Press, New York.
- Saanin, T. 1984. *Taksonomi dan kunci identifikasi ikan: bagian I*. Bina Cipta, Bandung.
- Sanger, G. 2010. Oksidasi Lemak Ikan Tongkol Asap yang Direndam dalam Larutan Ekstrak Daun Sirih. *Pacific Journal*. Vol. 2 (5): 870-873.
- Santos, A.P. and P.R.H. Moreno. 2013. Alkaloids Derived from Histidine: Imidazole (Pilocarpine, Pilosine). K.G. Ramawat, J.M. Me´rillon (eds.), *Natural Products*, # Springer-Verlag Berlin Heidelberg, DOI 10.1007/978-3-642-22144-6\_27.
- Stahl, E. 1969. *Thin Layer Chromatography: A Laboratory Handbook*. 2nd Edition. Springer, New York.
- Stratton, J.E., R.W. Hutkins, and S.L. Taylor. 1991. Biogenic amines in cheese and other fermented foods: A review. *J. Food Prot.*, 54: 460-470.
- Takahashi, H., M. Ogai, S. Miya, T. Kuda, and B. Kimura. 2015. Effects of environmental factors on histamin production in the psychrotrophic histamin-producing bacterium *Photobacterium iliopiscarium*. *Food Control*, 52: 39-442.
- Tanaka, M., H. Takuma, N. Kokumai, E. Oishi, T. Obi, K. Hiramatsu, and Y. Shimizu. 1995. Turkey rhinotracheitis virus isolated from broiler chicken with swollen head syndrome in Japan. *J Vet Med Sci* 1995; 57(5): 939-941.
- Taylor, S.L. and N.A. Woychik. 1982. Simple medium for assessing quantitative production of histamine by Enterobacteriaceae. *Journal of Food Protection* 45: 747-751.
- Teleken, T.J., W.S. Robazza, and G. Almeida. 2011. Mathematical modelling of microbial growth in milk. *Cience. Technol. Aliment*. 31(4): 34-41.
- Whiting, R.C & R.L. Buchanan. 1993. A classification of models for predictive microbiology. *Food Microbiol* 10: 175-177.
- Yanuardi, A. 2011. *Pendugaan pertumbuhan dan ketahanan Salmonella typhimurium pada udang dengan penyimpanan suhu dingin dan penambahan sodium metabisulfit*. Institut Pertanian Bogor. Skripsi.
- Zwietering, M.H., I. Jongenburger, F.M. Rombouts & K. Van't Reit. 1990. Modeling of the bacterial growth curve. *Appl. Environ. Microbiol* 56: 1875–1881.